

PCCharge

**Electronic Payment Processing Software
Appendices**



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Notice

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Introduction

Congratulations on the purchase of **PCCharge** -- the most advanced solution in the industry for processing credit cards on your PC. This software provides you with a fast, reliable way to authorize credit cards, ATM/debit cards, and check transactions in an easy to use Windows environment.

This documentation provides you with detailed processor-specific information, including:

- Documentation of the **PCCharge** Extended Data Fields
- Processor-specific transaction processing information
- Processor contact information
- Processor-specific notes

Please direct any comments or suggestions regarding your **PCCharge** documentation to pccharge_manuals@verifone.com. Please note that this address should not be considered as a source for technical support. Any support requests should be directed to the normal support channels.

About Communication Types

The following information describes the different ways that **PCCharge** can connect to your payment processing company. You can safely skip ahead to information specific to your payment processing company and refer back to this section as needed.

Dial-up Modem Processing

What is dial-up modem processing?

Most processing companies offer the ability to process transactions through a dial-up modem connection. Using your modem, **PCCharge** dials out to your payment processing company and transmits/receives transaction information.

After the transaction information has been transferred, **PCCharge** will usually hang up modem. However, some payment processing companies will allow connections to remain "open" for a certain amount of time before hanging up. This speeds up transaction processing since **PCCharge** won't need to dial out to the payment processing company for every transaction. Refer to the option **Multi-Trans Wait** in the section **Advanced Configuration Setup** in your **PCCharge** User's Manual.

Is this safe?

Yes, this method of processing transactions is safe. **PCCharge** connects directly to your payment processing through a standard dial-up connection.

Internet Processing

What is Internet processing?

Some payment processing companies offer the ability to process transactions through an Internet gateway. **PCCharge** takes advantage of this feature. The following requirements must be fulfilled before you can connect to a processing company via the Internet:

- You must be able to connect to the Internet.
- Fill out the fields in the processing company's **Advanced Options** window with any additional information required by the processing company.
- Contact your processing company and/or merchant service provider to find out what else (if anything) is required to connect to them via the Internet. Some processors require that you sign up for their Internet service or that your account be "Internet activated". Others may charge a premium.

Internet transactions are performed exactly like regular dial-up transactions. You enter the transaction information exactly as you would normally. The only difference is how the information is sent to the processing company.

Is this safe?

Yes, this method of processing transactions is very safe. **PCCharge** uses encryption software to encrypt each transaction before it is sent to the processing company. Once the processing company receives the transmission, they decode the message and process the transaction.

Do I need a modem?

No; however, it is recommended. A modem can be used as a backup communications method should your Internet connection fail (and if **Dial Backup** connections are supported by your payment processing company).

Lease Line Processing

What is lease line processing?

Some payment processing companies offer the ability to process transactions via a lease line connection. This service has to be specially arranged. Contact your processing company to find out more about using this feature.

Lease line transactions are performed exactly like regular dial-up transactions. You enter the transaction information exactly as you would normally. The only difference is how the information is sent to the processing company.

Is this safe?

Yes, this method of processing transactions is very safe. **PCCharge** makes a lease line connection directly to your payment processing company. Therefore, you have a private, secure connection.

Do I need a modem?

No; however, it is recommended. A modem can be used as a backup communications method should your lease line connection fail (and if **Dial Backup** connections are supported by your payment processing company).

Can I engage in other Internet activities (browsing, downloading, etc.) while authorizing or settling a large group of transactions?

Yes; however, we highly recommend that you do not. Any other Internet activities will affect the rate at which your transactions will be authorized or settled. Additionally, we recommend that you close all other running applications (Internet-related or not Internet-related) while authorizing or settling a large group of transactions.

ISDN Processing

What is ISDN processing?

Some payment processing companies offer the ability to process transactions through an ISDN. **PCCharge** takes advantage of this feature. The following requirements must be fulfilled before you can connect to a processing company via ISDN:

- You'll need to have a special ISDN modem. Contact your processing company and/or merchant service provider to find out which ISDN modem you should purchase.
- Fill out the fields in the processing company's **Advanced Options** window with any additional information required by the processing company.
- Contact your processing company and/or merchant service provider to find out what else (if anything) is required to connect to them via an ISDN. Some processors require that you sign up for their ISDN service or that your account be "ISDN activated". Others may charge a premium.

Is this safe?

Yes, this method of processing transactions is very safe. **PCCharge** makes an ISDN connection directly to your payment processing company. Therefore, you have a private, secure connection.

Do I need a modem?

No; however, it is recommended. A modem can be used as a backup communications method should your ISDN connection fail (and if **Dial Backup** connections are supported by your payment processing company).

Appendix A -- Credit Card Processing Companies

Your credit card processing company/vendor/merchant service provider should have provided you with all of the information on each company's extended data fields window. Check the merchant account information (fax, printout, etc.) you received upon setting up your credit card processing company merchant account.

Alliance Data Systems, Inc. (ADSI)

ADSI Notes

- ADSI accounts are host based.
- ADSI will provide you with a 1-15-character Terminal ID. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to ADSI via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

ADSI Contact Information

- **WWW** -- <http://www.alliancedatasystems.com>
- **Customer Service** -- (972) 348-5100

ADSI Extended Data Fields

ADSI Extended Setup

Merchant Information

Company Identifier:

Company ID:

Sequence Number:

OK

Cancel

Accept Private Label Cards

Batch Information

Batch Number:	<input type="text"/>	Debit/EBT Sales Count:	<input type="text"/>
Purchase Count:	<input type="text"/>	Debit/EBT Sales Amount \$:	<input type="text"/>
Purchase Amount \$:	<input type="text"/>	Debit/EBT Void Count:	<input type="text"/>
Return Count:	<input type="text"/>	Debit/EBT Void Amount \$:	<input type="text"/>
Return Amount \$:	<input type="text"/>	Debit/EBT Return Count:	<input type="text"/>
Void Count:	<input type="text"/>	Debit/EBT Return Amount \$:	<input type="text"/>
Void Amount \$:	<input type="text"/>	Private Label Sales Count:	<input type="text"/>
Visa Sales Count:	<input type="text"/>	Private Label Sales Amount \$:	<input type="text"/>
Visa Sales Amount \$:	<input type="text"/>		
MC Sales Count:	<input type="text"/>		
MC Sales Amount \$:	<input type="text"/>		

Merchant Information

Company Identifier -- (Default Value = Empty) (4 alpha/numeric characters) -- Enter your Company Identifier. The Company Identifier is a unique number assigned to each merchant by ADSI.

Company ID -- (Default Value = Empty) (up to 8 alpha/numeric characters) -- Enter your Company ID. The company ID is a unique number assigned to each merchant by ADSI.

Sequence Number -- (Default Value = Empty) (6-digits) -- This field displays your batch's sequence number. This value is automatically incremented by the software during normal batch operation. Do not alter this value unless directed by a Technical Support Representative.

Private Label Cards -- (Default = Unchecked) -- If you check this box, private label cards will be accepted. Uncheck this option if you only want to process transactions using major credit cards.

Batch Information

The fields in this section of the **ASDI Extended Setup** window display your open batch information. These values are automatically incremented by **PCCharge** during normal batch operation. Do not alter these values unless directed by a Technical Support Representative.

American Express (AMEX)

AMEX Notes

- AMEX accounts are terminal based.
- AMEX will provide you with a 10-digit Merchant (SE) Number. Use this as your **Credit Card Company Number** when setting up your account in PCCharge. Consult the section **Credit Card Company Setup** in your PCCharge User's Manual for more information.
- Processing a credit card directly through American Express is slightly different from processing using other credit card processing companies. Consult the section **AMEX Settle Setup** in your PCCharge User's Manual for more information.
- PCCharge can connect to AMEX via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing in About Communication Types** for more information on dial-up modem processing (see page 12).

AMEX Contact Information

- **WWW** -- <http://www.americanexpress.com>
- **Customer Service** -- (888) 829-7302, (800) 222-3781

AMEX Extended Data Fields

American Express Split-Dial Setup

American Express

- Authorize American Express Direct
- Financial Settlement Service

Business Type

- Retail / Mail Order
- Restaurant

Merchant Information

Terminal ID:

Merchant (SE) #:

Authorization Phone Numbers

Primary Phone:

Secondary Phone:

OK

Cancel

Advanced

American Express

Authorize American Express Direct -- (Default = Unchecked) -- This option is enabled by default and cannot be altered since American Express will be authorizing of your American Express transactions.

Financial Settlement Service -- (Default = Unchecked) -- This option is enabled by default and cannot be altered since American Express will be settling your American Express transactions. Consult the section **AMEX Settle Setup** in your **PCCharge User's Manual** for more information on this subject.

Business Type

Retail -- (Default = Selected) -- Select this option if AMEX classifies your business as retail, mail order / telephone order (MOTO), or direct marketing.

Restaurant -- (Default = Unselected) -- Select this option if AMEX classifies your business as a restaurant.

Merchant Information

Terminal ID: -- (2-digits) -- This information will be supplied to you by AMEX or your merchant service provider. Enter your American Express Terminal ID number here.

Merchant (SE) #: -- (10-digits) -- This information will be supplied to you by AMEX or your merchant service provider. Enter your American Express Merchant or SE (Service Establishment) number here.

Authorization Phone Numbers

Primary Phone: -- (Default = varies by credit card company) -- This is the first number that will be dialed during an attempted transaction.

Secondary Phone: -- (Default = varies by credit card company) -- This is the number that will be dialed during an attempted transaction if the **Primary Phone** number is busy or unavailable.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Advanced

Click this button to enter the **Settlement Extended Setup** window.

The screenshot shows a dialog box titled "Settlement Advanced Setup" with a close button (X) in the top right corner. The dialog is divided into several sections:

- Account Information:** Contains four input fields: "Service ID/PCID:" (empty), "Invoice Batch Code:" (501), "Invoice Subcode:" (00), and "File Sequence:" (1).
- Current Batch Information:** Contains four input fields: "Batch Number:" (1), "Sequence Number:" (3), "Count:" (0), and "Totals:" (0.00).
- Purchasing Card Level 3 Settings:** Includes a checkbox for "Enable Level 3 Support" (unchecked), a "Currency:" section with radio buttons for "U.S. \$" (selected) and "Canadian \$", a text field for "Federal/Provincial Tax ID (optional):", and a text field for "Current Batch Control Number:".
- Default Charge Descriptor:** A large empty text field.
- Amex Host Information:** Contains five input fields: "User Name (PCID):" (UserName), "Password (NAPID):" (xxxxxxxx), "System IP Address:" (10.67.224.17), "System Port:" (21), and "Request Timeout:" (20).

At the bottom of the dialog are two buttons: "OK" and "Cancel".

Account Information

Service ID/PCID: -- (Default = Empty) (6 alpha-numeric characters) -- This information will be supplied to you by AMEX or your merchant service provider. AMEX may refer to this as **Name** or **Process Control ID**. The value of this field is the same as the value of the field **User Name (PCID)**;, but is different from your dial-up AMEX FTP user name.

This parameter is a unique identifier code assigned to merchants, locations, and Authorized Third Party Processors so that they can directly access the American Express Financial Settlement system to deliver settlement data. In some cases, a merchant may not receive a unique PCID, because many franchises and authorized processors submit files for multiple locations under one PCID.

Invoice Batch Code: -- (Default = 501) -- Do not alter this value unless directed by a Technical Support Representative.

Invoice Subcode: -- (Default = 00) -- Do not alter this value unless directed by a Technical Support Representative.

File Sequence: -- (Default = 1) -- This value is automatically incremented by the software during normal batch operation. Do not alter this value unless directed by a Technical Support Representative.

Current Batch Information

These values are automatically incremented by **PCCharge** during normal batch operation. Do not alter these values unless directed by a Technical Support Representative.

Default Charge Descriptor

(23 alpha-numeric characters) -- This field contains a description of the purchase associated with the charge. Descriptors are provided by American Express, but are developed in discussion with the merchant, and can vary within and among merchants. This flexibility is needed to provide the best possible description from the merchant's perspective. Descriptors should be as concise as possible. This is a required field.

This field's value is sent to American Express during settlement. The value you enter here will be recorded on your customer's credit card statement. This information is intended to provide your customer with a convenient description of any purchase(s) made from your business. We recommended that you use a descriptor that will represent the products and services you offer for purchase via American Express credit cards.

Example: HARDWARE OF APPLIANCES OF AUTO REPAIRS

Amex Host Information

User Name (PCID): -- (Default = Username) (6 alphanumeric characters) -- This information will be supplied to you by AMEX or your merchant service provider. AMEX may refer to this as **Name** or **Process Control ID**. The value of this field is the same as the value of the field **Service ID/PCID:**, but is different from your dial-up AMEX FTP user name.

This parameter is a unique identifier code assigned to merchants, locations, and Authorized Third Party Processors so that they can directly access the American Express Financial Settlement system to deliver settlement data. In some cases, a merchant may not receive a unique PCID, because many franchises and authorized processors submit files for multiple locations under one PCID.

Password (NAPID): -- (Default = *****) (10 alphanumeric characters) -- This information will be supplied to you by AMEX or your merchant service provider. AMEX may refer to this as **Password** or **NAPID**. This value is different from your dial-up AMEX FTP password.

System Address: -- (Default = 123.456.789.012) -- This information will be supplied to you by AMEX or your merchant service provider. AMEX may refer to this as **IP Address** or **FTP Address**.

System Port: -- (Default = 5000) -- This is the port through which AMEX transactions are sent. This value can be set to 5000 or 21.

Request Timeout: -- (Default = 20) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP settlement from the processing company before timing out.

Bypass, Inc. (BPAS)

BPAS Notes

- BPAS accounts are host based (except for Restaurant accounts--hybrid host based / terminal based).
- BPAS will provide you with a 6-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge** User's Manual for more information.
- BPAS currently does not support the processing of purchasing/commercial cards via an XML connection. This is a limitation of the EFSnet Gateway.
- Because the Internet connection to BPAS is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your BPAS account. This will install the XML parser needed to communicate with BPAS.
- If your account is not set up for auto close, BPAS allows for either standard batch closure at the end of the day or multiple batch shift closings per business day. Most users will want to perform standard batch closures. You may either perform multiple shift closures via or you may perform a standard batch closure. BPAS does not allow you to perform both shift closures and standard closures on the same day.
- BPAS allows you to set up a password that your employees must enter into **PCCharge** before they are allowed to close a batch. This feature must be set up with BPAS before it can be used in **PCCharge**.
- **PCCharge** can connect to BPAS via a dial-up modem connection, an Internet connection, or a lease line connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the BPAS gateway.

BPAS Contact Information

- **WWW** -- <http://www.concordefsnet.com>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

BPAS Extended Data Fields

Business Type

Retail eCommerce
 Mail Order Restaurant

Merchant Information

Sequence Number:
Currency Code:
Device Number:
Device Type:
State Code:

Restaurant Information

Authorization Expansion Factor %
 Require Server ID

Company Information

Enable Commercial Card Fields

Reversals

Retry Reversals #
 Retry Reversals Infinitely
Process Reversals every secs
Retry Reversals every secs

OK
Cancel
Advanced
Download

Business Type

Retail -- (Default = Selected) -- Select this option if BPAS classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if BPAS classifies your business as MOTO (Mail Order/Telephone Order).

eCommerce -- (Default = Unselected) -- Select this option if BPAS classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if BPAS classifies your business as a restaurant.

Merchant Information

Sequence Number: -- (Default = 000000) (6-digits) -- The sequence number is the number of the last transaction performed in the open batch. Do not alter this value unless directed by a Technical Support Representative.

Currency Code: -- (Default = 840) (3-digits) -- Enter the currency code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Device Number: -- (Default = 001) (3-digits) -- Enter the 3-digit device number assigned by BPAS.

Device Type: -- (Default = 5S) (2 characters) -- Enter the 2-digit device type assigned by BPAS.

State Code -- (Default = 13) (2-digits) -- Enter the State Code that identifies your state.

Alabama=01, Alaska=02, Arizona=04, Arkansas=05, California=06, Colorado=08, Connecticut=09, Delaware=10, District of Columbia=11, Florida=12, Georgia=13, Puerto Rico=14, Hawaii=15, Idaho=16, Illinois=17, Indiana=18, Iowa=19, Kansas=20, Kentucky=21, Louisiana=22, Maine=23, Maryland=24, Massachusetts=25, Michigan=26, Minnesota=27, Mississippi=28, Missouri=29, Montana=30, Nebraska=31, Nevada=32, New Hampshire=33, New Jersey=34, New Mexico=35, New York=36, North Carolina=37, North Dakota=38, Ohio=39, Oklahoma=40, Oregon=41, Pennsylvania=42, Rhode Island=44, South Carolina=45, South Dakota=46, Tennessee=47, Texas=48, Utah=49, Vermont=50, Virginia=51, Virgin Islands=52, Washington=53, West Virginia=54, Wisconsin=55, Wyoming=56

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Not implemented.

Reversals

Note: Do not alter these settings unless directed by a Technical Support Representative.

This section is not accessible unless **Use TCP/IP EFSnet Pass Through** is selected as the **Communications Type** in the **Bypass Advanced Options** window.

Retry Reversals # -- (Default = Selected) -- Select this option if you want to specify the number of times that **PCCharge** will retry reversals.

Retry Reversals Infinitely -- (Default = Unselected) -- Select this option if you want to **PCCharge** to retry reversal transactions indefinitely.

Process Reversals every # secs -- (Default = Empty) -- Allows you to specify how often **PCCharge** will attempt to process reversals.

Retry Reversals every # secs -- (Default = Empty) -- Allows you to specify how often PCCharge will retry reversals.

Download

Click this button to have **PCCharge** contact BPAS and download updated account configuration information.

Advanced

Click this button to enter the **Buypass Advanced Options** window.

Buypass Advanced Options

BUYPASS Advanced Options

Communications

- Use Dial-up Modem
- Use TCP/IP EFSnet XML
- Use TCP/IP EFSnet Lease Line
- Use TCP/IP EFSnet Pass Through

Network System Information

System Address

System Port

Dial Backup

- Use Dial-Up Modem for Backup
- Internet Authorization Timeout Value (seconds)
- Internet Settlement Timeout Value/Batch (seconds)

OK
Cancel

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to BPAS via dial-up modem.

Use TCP/IP EFSnet XML -- (Default = Unselected) -- Select this option if your account is set up to connect to BPAS via the Internet.

Use TCP/IP EFSnet Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to BPAS via a lease line connection.

Use TCP/IP EFSnet Pass Through -- (Default = Unselected) -- Select this option if your account is set up to connect to BPAS via the Internet. The difference between **TCP/IP EFSnet XML** and **TCP/IP EFSnet Pass Through** is as follows:

- If you select **TCP/IP EFSnet XML**, EFSNet will parse the message from **PCCharge** before passing it to BPAS.
- If you select **TCP/IP EFSnet Pass Through**, **PCCharge** will parse the message before passing it to EFSNet. EFSNet will then transfer the message to BPAS. **Pass Through** uses the BPAS dial format and wraps it in XML.

Network System Information

Note: This information is not accessible unless **Use TCP/IP EFSnet XML**, **Use TCP/IP EFSnet Lease Line**, or **Use TCP/IP EFSnet Pass Through** is enabled.

- **Use TCP/IP EFSnet XML**

System Address -- (Default = As Shown) -- This is the address of BPAS's gateway. Do not change this setting unless directed by a Technical Support Representative.

Store ID -- (Default = Empty) -- BPAS or your merchant service provider will make this information available to you.

Store Key -- (Default = Empty) -- BPAS or your merchant service provider will make this information available to you.

Verify Connection -- After completely filling out the **Bypass Advanced Options** window, make sure your Internet connection is enabled and click this button. If a connection is successfully established with BPAS, a window will appear giving you a **ResponseCode** of 0, a **ResultCode** of 00, and a **Result** of **ONLINE**. If you get a response of **ConnErrr**, please check the **Internet Authorization Timeout Value**. The default is 60.

- **Use TCP/IP EFSnet XML**

System Address -- (Default = As Shown) -- This is the address of BPAS's gateway. Do not change this setting unless directed by a Technical Support Representative.

System Port -- (Default = 7737) -- This is the port address of BPAS's gateway. This information will be provided to you by BPAS. Do not change this setting unless directed by a Technical Support Representative.

- **Use TCP/IP EFSnet XML**

System Address -- (Default = As Shown) -- This is the address of BPAS's gateway. Do not change this setting unless directed by a Technical Support Representative.

Store ID -- (Default = Empty) -- BPAS or your merchant service provider will make this information available to you.

Store Key -- (Default = Empty) -- BPAS or your merchant service provider will make this information available to you.

Verify Connection -- After completely filling out the **Bypass Advanced Options** window, make sure your Internet connection is enabled and click this button. If a connection is successfully established with BPAS, a window will appear giving you a `ResponseCode` of 0, a `ResultCode` of 00, and a `Result` of ONLINE. If you get a response of `ConnErr`, please check the **Internet Authorization Timeout Value**. The default is 60.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP EFSnet Pass Through** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Concord / EFS (CCRD)

CCRD Notes

- CCRD accounts are host based.
- CCRD will provide you with an 8-digit Merchant Number, a 4-digit Store Number, and a 2-digit Terminal ID. Combine these numbers to create a 12-digit number. **Example:**

12345678 (merchant number) followed by 1234 (store number) followed by 12 (terminal ID) = 12345678123412 (example Credit Card Company Number)

Use this method to construct your own **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge** User's Manual for more information.

- CCRD currently does not support the processing of purchasing/commercial cards via an XML connection. This is a limitation of the EFSnet Gateway.
- When processing transactions through CCRD via the Internet, the transaction type **Settle** becomes available as a tab on the credit card transaction window. This is actually the same thing as a **Post-Auth** transaction. Consult the section **Credit Card Processing** in your **PCCharge** User's Manual for more information on the **Post-Auth** transaction type.
- Because the TCP/IP connection to CCRD is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your CCRD account. This will install the XML parser needed to communicate with CCRD.
- **PCCharge** can connect to CCRD via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing in About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing in About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the CCRD gateway.
- It is required that you enter a Ticket Number into **PCCharge** for Concord (CCRD) e-Commerce transactions

CCRD Contact Information

- **WWW** -- <http://www.concordefs.com>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

CCRD Extended Data Fields

Concord Extended Data Fields

Merchant Information

Enable Commercial Card Fields

Chicago Host

Network Routing:

Business Type

Restaurant Other

Fuel

Restaurant Information

Authorization Expansion Factor: %

Require Server ID

OK

Cancel

Advanced..

Merchant Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Chicago Host -- (Default = Unchecked) -- Check this box if your company's account is set up to process transactions via the Chicago Host.

Network Routing -- (Default = V4) -- Do not change this setting unless directed by a Technical Support Representative.

Business Type

Restaurant -- (Default = Unselected) -- Select this option if CCRD classifies your business as a restaurant.

Fuel -- (Default = Unselected) -- Select this option if CCRD classifies your business as a fuel merchant.

Other -- (Default = Selected) -- Select this option if CCRD classifies your business as anything other than a restaurant or fuel merchant.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Advanced

Click this button to enter the **Concord Advanced Options** window.

Concord Advanced Options

Concord Advanced Options

Communications

- Use Dial-up Modem
- Use TCP/IP
- Use TCP/IP Lease Line
- Use TCP/IP Pass Through

Network System Information

System Address:

Store ID:

Store Key:

Dial Backup

- Use Dial-Up Modem for Backup
- Internet Authorization Timeout Value (seconds)
- Internet Settlement Timeout Value/Batch (seconds)

Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to CCRD using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the CCRD gateway to process transactions via TCP/IP.

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (Default = As Shown) -- This is the address of Concord's gateway. Do not change this setting unless directed by a Technical Support Representative.

Store ID -- (Default = Empty) -- VCS/EFS Net or your merchant service provider will make this information available to you.

Store Key -- (Default = Empty) -- VCS/EFS Net or your merchant service provider will make this information available to you.

Verify Connection -- After completely filling out the **Concord Advanced Options** window, make sure your Internet connection is enabled and click this button. If a connection is successfully established with CCRD, a pop-up window will appear giving you a `ResponseCode` of 0, a `ResultCode` of 00, and a `Result` of ONLINE. If you get a response of `ConnErr`, please check the **Internet Authorization Timeout Value**. The default is 60.

Dial Backup

Not implemented.

ECHO (ECHO)

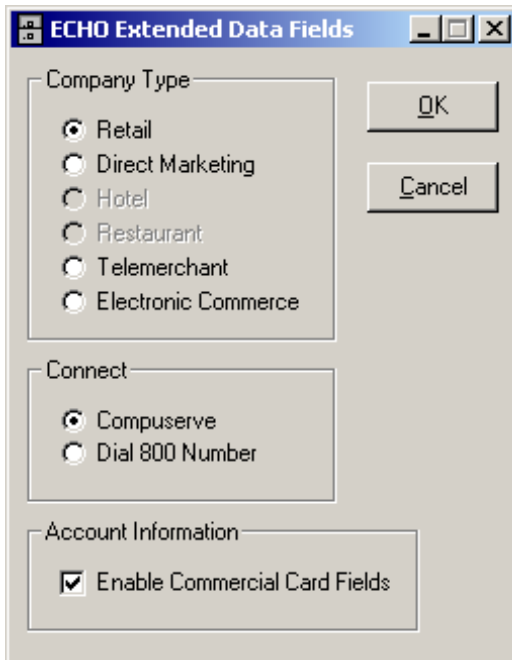
ECHO Notes

- ECHO accounts are host based.
- ECHO will provide you with a 10-digit Terminal ID. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to ECHO via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

ECHO Contact Information

- **WWW** -- <http://www.echo-inc.com>
- **Customer Service** -- (800) 233-0406

ECHO Extended Data Fields



The image shows a Windows-style dialog box titled "ECHO Extended Data Fields". The dialog box has a title bar with standard minimize, maximize, and close buttons. It contains three main sections, each with a label and a list of options:

- Company Type**: A group box containing six radio button options: Retail (selected), Direct Marketing, Hotel, Restaurant, Telemerchant, and Electronic Commerce.
- Connect**: A group box containing two radio button options: Compuserve (selected) and Dial 800 Number.
- Account Information**: A group box containing one checked checkbox option: Enable Commercial Card Fields.

On the right side of the dialog box, there are two buttons: "OK" and "Cancel".

Company Type

(Default = Retail) -- This section allows you to choose your business classification. ECHO will select this classification. You should contact ECHO for the correct classification.

Retail -- Select this option if ECHO classifies your business as Retail (most of your business is done face to face with the customer).

Direct Marketing -- Select this option if ECHO classifies your business as a direct marketer.

Hotel -- Not implemented.

Restaurant -- Not implemented.

Telemerchant -- Select this option if ECHO classifies your business as a telemarketer.

Electronic Commerce -- Select this option if ECHO classifies your business as e-Commerce.

Connect

(Default = **CompuServe**) -- This section allows you to choose different communication routes.

CompuServe -- (Default = Checked) -- Choose this option to use a communication route that is back-boned by CompuServe. **CompuServe** is the recommend selection. However, it is not available in smaller communities. The local CompuServe number is 950-0990. If you are dialing the 950-0990 number, you must have **CompuServe** selected.

Dial 800 Number -- (Default = Unchecked) -- Choose this option to communicate over the standard phone system using an 800 number. The 800 number is 1-800-486-7854. If you are dialing an 800 number, you must have this option selected.

Account Information

Enable Commercial Card Fields -- (Default = Unchecked) -- Check this box if your company's account is set up to accept commercial cards.

FDMS Nashville / Envoy (FDCN)

FDCN Notes

- FDCN accounts are terminal based.
- FDCN will provide you with a 7-11-digit Merchant Number and a 7-11-digit Terminal ID. Combine these numbers to create a number that is between 14 and 22 digits long.
Example:

12345678901 (merchant number) followed by 12345678901 (terminal ID) =
1234567890112345678901 (example Credit Card Company Number)

Use this method to construct your own **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.

- **PCCharge** can connect to FDCN via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing in About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing in About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDCN gateway.

FDCN Contact Information

- **WWW** -- <http://www.fdns.com>
- **Customer Service** -- (800) 647-3722

FDCN Extended Data Fields

The screenshot shows a dialog box titled "FDCN Extended Data Fields". It has a standard Windows-style title bar with minimize, maximize, and close buttons. The dialog is divided into three main sections:

- Business Type:** A group box containing three radio buttons: "Retail" (which is selected), "Mail Order", and "Electronic Commerce".
- Commercial Cards:** A group box containing a checked checkbox labeled "Enable Commercial Card Fields".
- Batch:** A group box containing a text input field labeled "Max Batch Size" with the value "0" entered.

On the right side of the dialog, there are three buttons: "OK", "Cancel", and "Advanced".

Business Type

Retail -- (Default = Selected) -- Select this option if FDCN classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FDCN classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if FDCN classifies your business as e-Commerce.

Commercial Cards

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this option if your account is not set up to process commercial cards.

Batch

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PCCharge** will send to the processor. If your batch is greater than the number specified here, **PCCharge** will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PCCharge** will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PCCharge** will default to sending the maximum number of transactions per batch accepted by the processor. For **FDCN**, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those FDCN users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Advanced

Click this button to access the **FDCN Advanced Options** window.

FDCN Advanced Options

Communications

Use Dial-up Modem

Use IPN (TCP/IP)

TCP/IP Information

Primary URL
https://vxn.datawire.net/x/102

Secondary URL
https://vxn1.datawire.net/x/102

Datawire ID

Dial Backup

Use Dial-Up Modem for Backup

60 Internet Authorization Timeout Value (seconds)

240 Internet Settlement Timeout Value/Batch (seconds)

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to FDCN using your modem.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to FDCN via IPN (TCP/IP).

TCP/IP Information

Note: This information is not accessible unless **IPN (TCP/IP)** is enabled.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- This information will be provided to you by FDCN (AKA DID or Device ID).

Dial Backup

Not implemented.

FDMS North / CardNet (CES)

CES Notes

- CES accounts are terminal based.
- CES will provide you with a 12-digit Merchant Number and a 6-character Terminal ID. Combine these numbers to create a number that is 18-digits long. **Example:**

123456789012 (merchant number) *followed by* 123456 (terminal ID) =
123456789012123456 (example Credit Card Company Number)

Use this method to construct your own **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.

- **PCCharge** can connect to CES via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the CES gateway.

CES Contact Information

- **WWW** -- <http://www.fdns.com>
- **Customer Service** -- (800) 346-3315

CES Extended Data Fields

The screenshot shows a dialog box titled "FDMS North/Cardnet(CES) Extended Data Fields". It contains several sections with radio buttons and checkboxes:

- Business Type:** Radio buttons for "Retail" (selected), "Mail Order", and "Electronic Commerce".
- Check Service:** Radio buttons for "None" (selected), "ETC", "Equifax", "NPC", and "TeleCheck".
- Company Information:** Checkboxes for "Enable Commercial Card Fields" (checked), "Process MC Reversals", and "Process VISA Reversals".
- Mail Order Options:** Checkboxes for "Print Customer Service Number on Statement" (checked) and a "Phone Number:" text input field.
- Batch:** A "Max Batch Size:" text input field with the value "0".

Buttons for "OK", "Cancel", and "Advanced" are located on the right side of the dialog.

Business Type

Retail -- (Default = Selected) -- Select this option if CES classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if CES classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if CES classifies your business as e-Commerce.

Check Service

Select the check services company you're using in conjunction with your CES account. If you won't be using a check services company in conjunction with your CES account, select **None**.

ETC -- Select this option if you are using **ETC** as your check services company.

Equifax -- Select this option if you are using **Equifax** as your check services company.

NPC -- Select this option if you are using **NPC** as your check services company.

Telecheck -- Select this option if you are using **Telecheck** as your check services company.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process MC Reversals -- (Default = Unchecked) -- Not implemented.

Process Visa Reversals -- (Default = Unchecked) -- Not implemented.

Batch

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PCCharge** will send to the processor. If your batch is greater than the number specified here, **PCCharge** will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PCCharge** will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PCCharge** will default to sending the maximum number of transactions per batch accepted by the processor. For CES, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those CES users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Mail Order Options

Note: Mail order options are not accessible unless your business type is set to **Mail Order**.

Print Customer Service Number on Statement -- (Default = Checked) -- This option allows you to print your customer service phone number on your customer's credit card statement.

Phone Number -- (Default = Empty) -- This allows you to specify your customer service phone number.

Advanced

Click this button to enter the **FDMS North / CardNet (CES) Advanced Options** window.

FDMS North / CardNet (CES) Advanced Options

The screenshot shows a dialog box titled "FDMS North / Cardnet(CES) Advanced Options". It contains three main sections:

- Communications:** Two radio buttons are present. "Use Dial-up Modem" is selected, and "Use IPN (TCP/IP)" is unselected. "OK" and "Cancel" buttons are to the right.
- TCP/IP Information:** Three text input fields. "Primary URL" contains "https://vxn.datawire.net/x/104". "Secondary URL" contains "https://vxn1.datawire.net/x/104". "Datawire ID" is empty.
- Dial Backup:** A checkbox "Use Dial-Up Modem for Backup" is unselected. Below it are two input fields: "Internet Authorization Timeout Value (seconds)" with the value "60", and "Internet Settlement Timeout Value/Batch (seconds)" with the value "240".

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to CES using your modem.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to CES via IPN (TCP/IP).

TCP/IP Information

Note: This information is not accessible unless **Use IPN (TCP/IP)** is enabled.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- This information will be provided to you by CES (AKA DID or Device ID).

Dial Backup

Not implemented.

FDMS Omaha / FDR (FDC)

FDC Notes

- FDC accounts are terminal based.
- FDC is a hybrid system (your transaction information is stored on your system and their system), but **PCCharge** treats it as a terminal based system. You must settle your batch at the end of each day that you process transactions.
- FDC will provide you with a 13-16-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge** User's Manual for more information.
- **PCCharge** can connect to FDC via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FDC gateway.

FDC Contact Information

- **WWW** -- <http://www.fdms.com>
- **Customer Service** -- (800) 876-0026

FDC Extended Data Fields

FDC Extended Data Fields

Device
Device ID:

Numbers
Last Transaction:
Active Batch:

Company Information
 Address Verification
 Enable Commercial Card Fields

Business Type
 Retail
 Mail Order
 eCommerce

SprintNet Information
 Use SprintNet
SprintNet Address:

OK
Cancel
Advanced

Device

Device ID: -- (Default = Empty) -- The device ID is a 4-character value. It differentiates multiple devices with the same merchant number. This number is only needed if you are using more than one copy of **PCCharge** with the same merchant number. Each computer must have a distinct device ID. This number is assigned by the merchant and need not be registered with FDC.

Numbers

Note: You should not change the next two settings unless directed by a Technical Support Representative.

Last Transaction: -- (Default = 000) -- This is the item number of the last transaction. With each new transaction this number is automatically incremented by one. The last transaction will be reset every time your batch is settled.

Active Batch: -- (Default = 0) -- This is the current batch number. It has a valid range of 0-9. The active batch will automatically increment every time your batch is settled. After batch 9 (nine) is closed, this value resets to 0 (zero).

Company Information

Address Verification -- (Default = Unchecked) -- Allows you to turn on and address verification. If your business is a mail order business, check this box.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Business Type

Retail -- (Default = Selected) -- Select this option if FDC classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FDC classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if FDC classifies your business as e-Commerce.

SprintNet Information

Use SprintNet -- (Default = Unchecked) -- Check this box to use SprintNet. SprintNet is an alternative method of accessing your processor. Contact your merchant representative for local access phone numbers.

SprintNet Address: -- (Default = 81636) -- This number allows proper identification for the Sprint Net phone system. Do not change this value unless directed by a Technical Support Representative.

Advanced

Click this button to access the **FDMS Omaha / FDR (FDC) Advanced Options** window.

FDMS Omaha / FDR (FDC) Advanced Options

FDMS Omaha / FDR(FDC) Advanced Options

Communications

Use Dial-up Modem

Use IPN (TCP/IP)

TCP/IP Information

Primary URL
https://staging1.datawire.net/sd

Secondary URL
https://staging2.datawire.net/sd

Datawire ID

Dial Backup

Use Dial-Up Modem for Backup

60 Internet Authorization Timeout Value (seconds)

240 Internet Settlement Timeout Value/Batch (seconds)

OK

Cancel

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to NDC using your modem.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to FDC via an IPN connection.

TCP/IP Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- This information will be provided to you by FDC (AKA DID or Device ID).

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PCCharge** to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

FDMS South / NaBanco (NB)

NB Notes

- NB accounts are terminal based.
- NB will provide you with an 11-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge** User's Manual for more information.
 - Please note that the current version of **PCCharge** requires an 11-digit MID for NB accounts. Versions of **PCCharge** earlier than 5.7 required a 9-digit MID. If you are upgrading to this version of **PCCharge**, you must contact NB or your merchant service provider to obtain a new 11-digit MID.
- NB will occasionally return certain pieces of transaction information that contain spaces. **PCCharge** will change each of these spaces to an asterisk (*) to make the resulting information more legible. However, should you need to contact NB merchant support to review your account or transactions, be sure to read out any asterisk as a space.
- **PCCharge** can connect to NB via a dial-up modem connection, an Internet connection, or a lease line connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the NB gateway.

NB Contact Information

- **WWW** -- <http://www.fdms.com>
- **Customer Service** -- (800) 732-9195

NB Extended Data Fields

FDMS South/NaBANCO (NB) Extended Data Fields

Company Type

- Retail
- Mail Order
- Restaurant

Connect

- Modem
- TCP/IP Lease Line
- FirstData IPN

Dial Options

- MCI Login

Incentive Program

- Master Card
- VISA PS2000

Authorization Information

Serial Number:

AMEX SE Number:

Discover SE Number:

JCB SE Number:

JAL SE Number:

Diners Club SE Number:

Carte Blanche SE Number:

Batch Information

Serial Number:

Qual Code:

State Code:

Country Code:

Zip Code:

Category Code:

Communication Information

Primary Address: Port:

Secondary Address:

Datawire ID: Connection Timeout:

Serial Number: Settlement Timeout:

Restaurant Information

Authorization Expansion Factor: %

Require Server ID

Batch

Max Batch Size:

OK

Cancel

Company Type

Retail -- (Default = Selected) -- Select this option if NB classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if NB classifies your business as MOTO (Mail Order/Telephone Order). This setting is not accessible unless **Connect** is set to **Modem** or **TCP/IP**.

Restaurant -- (Default = Unselected) -- Select this option if NB classifies your business as Restaurant. This setting is not accessible unless **Connect** is set to **Modem**.

Connect

Modem -- (Default = Selected) -- Select this option if your account is set up to connect to NB via a direct, dial-up modem connection.

TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to NB via a TCP/IP (lease line) connection.

FirstData IPN -- (Default = Unselected) -- Select this option if your account is set up to connect to NB via a FirstData IPN connection.

Dial Options

MCI Login -- (Default = Unchecked) -- If your phone system requires that you login to MCI then you should check this box.

Incentive Program

Visa PS2000 -- (Default = Checked) -- Uncheck this option if your account is not set up with the **Visa PS2000 Incentive Program**.

Master Card -- (Default = Checked) -- Uncheck this option if your account is not set up with the **Master Card Incentive Program**.

Authorization Information

Serial Number -- (Default = 0000) (4-digits) -- Allows you to enter a serial number for a particular station. The **Serial Number** allows you to designate more than one device per location.

Note: You must enter the following Service Establishment (SE) number(s) for each credit card type your FDMS South account has been configured to process.

AMEX SE Number -- (Default = Empty) -- 10-digit American Express Service Establishment number.

Discover SE Number -- (Default = Empty) -- 10-digit Discover Service Establishment number.

JCB SE Number -- (Default = Empty) -- 10-digit JCB Service Establishment number.

JAL SE Number -- (Default = Empty) -- 10-digit JAL Service Establishment number.

Diners Club SE Number -- (Default = Empty) -- 10-digit Diners Club Service Establishment number.

Carte Blanche SE Number -- (Default = Empty) -- 10-digit Carte Blanche Service Establishment number.

Batch Information

Serial Number -- (Default = 99) (2-digits) -- Provided by NB. Represents the batch serial number. Do not alter the default value unless directed by a Technical Support Representative. Should match the **Serial Number:** value in **Communication Information**.

Qual Code -- (Default = Empty) -- Enter your Qual Code. This number identifies your account's plan number and the credit cards accepted.

State Code -- (Default = Empty) (2 characters) -- Enter the State Code that identifies your state.

Country Code -- (Default = 840) (3-digits) -- Enter your Country Code. The Country Code 840 represents the United States.

Zip Code -- (Default = Empty) -- Enter your Zip Code.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit SIC code (category code) provided by your processor.

Communication Information

Note: These settings are not accessible unless **Connect** is set to **TCP/IP**.

Primary Address -- (Default = Empty) -- Set this to the address or URL of this processor's gateway (supplied by NB).

- **Port** -- (Default = Empty) -- Set this to the port on which gateway service listens for connections (supplied by NB).

Secondary Address -- (Default = Empty) -- Set this to the address or URL of gateway (supplied by this processor).

- **Port** -- (Default = Empty) -- Set this to the port on which the gateway service listens for connections (supplied by NB).

Datawire ID -- (Default = Empty) (Up to 32 alphanumeric characters) -- Provided by NB (AKA Datawire ID). Do not alter this value unless directed by a Technical Support Representative.

Connection Timeout: -- (Default = 45) -- Set this value to the number of seconds you want PCCharge to wait for authorization from the processing company before timing out.

Serial Number: -- (Default = Empty) -- Provided by NB. Represents the batch serial number. Do not alter the default value unless directed by a Technical Support Representative. Should match the **Serial Number:** value in **Batch Information**.

Settlement Timeout: -- (Default = Empty) -- Set this value to the number of seconds you want PCCharge to wait for settlement from the processing company before timing out.

Restaurant Information

Note: These settings are not accessible unless **Business Type** is set to **Restaurant**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Note: FDMS South will not allow your actual total sale plus gratuity amount to exceed 120% of your originally authorized total sale plus gratuity amount, no matter what you set as your **Authorization Expansion Factor**.

Example:

1. Your **Authorization Expansion Factor** is set to 110%. The customer's bill is \$10.00.
2. Therefore, you go to **PCCharge** and enter \$10.00 into the **Sale** screen.
3. **PCCharge** automatically adds 10% of \$10.00 (based on your **Authorization Expansion Factor**) and authorizes \$11.00.
4. However, when you go back to the customer, he has left a tip of \$5.00. This would result in an actual total of \$15.00, which is greater than 120% of your originally authorized total of \$12.00. You could not, in this situation, add to the original gratuity by performing a **Gratuity** transaction.
5. Instead, you would need to perform a **Void Sale** on the original transaction, and enter a **Sale** of \$10.00 with a \$5.00 gratuity amount.

This is a limitation of FDMS South's restaurant authorization system.

Batch

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PCCharge** will send to the processor. If your batch is greater than the number specified here, **PCCharge** will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PCCharge** will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PCCharge** will default to sending the maximum number of transactions per batch accepted by the processor. For NB, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those NB users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Fifth-Third Bank-St. Pete (BPS)

BPS Notes

- BPS accounts are host based (except for Restaurant accounts--terminal based).
- BPS will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to BPS via a dial-up modem connection, an Internet connection, or a lease line connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the BPS gateway.
- The **Terminal IDs** for your BPS debit, EBT, and gift accounts can all be the same number. However, the **Terminal ID** for your BPS credit account must be a different number (if your BPS credit **Terminal Type** is set to **Terminal Capture**). If your BPS credit **Terminal Type** is set to **Host Capture**, you can use the same **Terminal ID** for all your BPS accounts.

BPS Contact Information

- **WWW** -- <http://www.53.com>
- **Customer Service** -- (877) 744-5300

BPS Extended Data Fields

Fifth-Third Bank-St Pete Information

Merchant Information

Bank ID:

Terminal ID:

Enable Commercial Card Fields

Cardholder-Activated Terminal Type

Non-Terminal

Self-Service-Limited Account

Self-Service-Terminal

Business Type

Retail

Mail Order

Electronic Commerce

Restaurant

Processing Information

Retrieval Reference #:

Batch Number:

Max Batch Size:

Terminal Type

Host Capture

Terminal Capture

Restaurant Information

Authorization Expansion Factor %

Require Server ID

Merchant Information

Bank ID -- (Default Value = Empty) (4-digits) -- Allows you to enter your Bank Identification Number.

Terminal ID -- (Default Value = Empty) (3-digits) -- Allows you to enter your Terminal Identification Number.

Enable Commercial Cards Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Cardholder Activated Terminal Type

These options primarily apply to applications that are integrated with **PCCharge**. Most users should leave the default option checked (**Non-Terminal**). This section is not accessible unless **Retail** is selected as a **Business Type**.

- **Non-Terminal** -- (Default = Selected) -- Select this option if your account is not set up as a self-service terminal.
- **Self-Serve Limited Amount** -- (Default = Selected) -- Select this option if your account is set up as a self-service terminal and you have pre-established a transaction amount with this processing company.
- **Self-Serve Terminal** -- (Default = Selected) -- Select this option if your account is set up as a self-service terminal and you have not pre-established a transaction amount with this processing company.

Business Type

Retail -- (Default = Unselected) -- Select this option if BPS classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Selected) -- Select this option if BPS classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if BPS classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if BPS classifies your business as a restaurant. This **Business Type** is not accessible unless **Terminal Capture** is selected as a **Terminal Type**.

Processing Information

Retrieval Reference #: -- (Default = As Shown) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative. This information is not accessible unless **Host Capture** is selected as a **Terminal Type**.

Batch Number -- (Default = As Shown) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative. This information is not accessible unless **Terminal Capture** is selected as a **Terminal Type**.

Max Batch Size -- (Default = As Shown) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative. This information is not accessible unless **Terminal Capture** is selected as a **Terminal Type**.

Terminal Type

Host Capture -- (Default = Selected) -- Select this option if BPS has set up your account to process transactions via host-based capture.

Terminal Capture -- (Default = Unselected) -- Select this option if BPS has set up your account to process transactions via terminal-based capture.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Advanced

Click this button to access the **Fifth-Third Bank-St. Pete Advanced Options** window.

Fifth-Third Bank-St. Pete (BPS) Advanced Options

Fifth-Third Bank-St. Pete Advanced Options

Communications

Use Dial-up Modem

Use TCP/IP

Use TCP/IP Lease Line

TCP/IP System Information

Primary Authorization Address: Port:

User Name:

Password:

Lease Line System Information

Primary Authorization Address: Port:

Dial Backup

Use Dial-Up Modem for Backup

Internet Authorization Timeout Value (seconds)

Internet Settlement Timeout Value/Batch (seconds)

OK Cancel

Communication

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to BPS using your modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the BPS gateway to process transactions via TCP/IP.

Use TCP/IP Lease Line -- (Default = Selected) -- Select this option if your account is set up to connect to the BPS gateway to process transactions via TCP/IP lease line.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the BPS gateway. This information will be provided to you by BPS. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = As Shown) -- This information will be provided to you by BPS. Do not alter this value unless directed by a Technical Support Representative.

User Name: -- (Default = As Shown) -- This information will be provided to you by BPS.

Password: -- (Default = As Shown) -- This information will be provided to you by BPS.

Lease Line System Information

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the BPS gateway. This information will be provided to you by BPS. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = As Shown) -- This information will be provided to you by BPS. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** or **Use TCP/IP Lease Line** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

First Hawaiian (FHAW)

FHAW Notes

- FHAW accounts are terminal based.
- FHAW will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to FHAW via a lease line connection.
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FHAW gateway.

FHAW Contact Information

- **WWW** -- <http://www.fhb.com>
- **Customer Service** -- (808) 844-3172

FHAW Extended Data Fields

First Hawaiian Extended Data Fields

Business Type

Retail Restaurant

Mail Order

Electronic Commerce

Company Information

Enable Commercial Card Fields

Process MC Reversals

Process VISA Reversals

Merchant Information

Bin #:

Store #:

Terminal #:

Chain #:

Agent #:

Currency Code:

Country Code:

City Code:

Language Code:

Category Code:

Time Zone:

Cust. Service #:

Express Pay

Enable Express Pay

Floor Limit:

Batch Information

Primary:

Secondary:

Batch #:

Location #:

Max Batch Size:

Restaurant Information

Authorization Expansion Factor %

Require Server ID

OK Cancel Advanced..

Business Type

Retail -- (Default = Selected) -- Select this option if FHAW classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FHAW classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if FHAW classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if FHAW classifies your business as a restaurant.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type. This is sometimes known as the **SIC** or the **MCC**.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Time Zone	Eastern	Central	Mountain	Pacific	Arizona
Time Zone Code	705	706	707	708	707

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process MC Reversals -- (Default = Unchecked) Allows you to process reversals on Master Cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Process Visa Reversals -- (Default = Unchecked) Allows to process reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Express Pay

This section is not accessible unless **Retail** is selected as a **Business Type**.

Enable Express Pay -- (Default = Unchecked) -- If you have set up Express Pay with the processing company, check this box. If this box is checked and the amount of the transaction is less than the **Floor Limit** amount, **PCCharge** will not authorize the transaction--it will only place the transaction in the open batch. Express Pay is usually used in a quick service environment with small ticket items. **Note:** Using Express Pay will increase transaction processing costs.

Floor Limit -- (Default = \$0.00) -- Allows you to set the floor limit when using Express Pay.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing your batch.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing your batch.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- (Default = 00001) -- The batch number is the counter for the current batch. **PCCharge** automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- Enter a Location Number. This value designates which site or location is processing the transactions.

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PCCharge** will send to the processor. If your batch is greater than the number specified here, **PCCharge** will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PCCharge** will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PCCharge** will default to sending the maximum number of transactions per batch accepted by the processor. For **FHAW Dial**, this is 999. For **FHAW TCP/IP**, this is 150.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those **FHAW** users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Cardholder Activated Terminal Type

Not implemented.

Advanced

Click this button to access the **First Hawaiian Advanced Options** window.

First Hawaiian Advanced Options

First Hawaiian Advanced Options

Communications

Use Dial-up Modem

Use TCP/IP

Use TCP/IP Lease Line

Use TCP/IP Pass Through

Network System Information

System Address

System Port

4234

Dial Backup

Use Dial-Up Modem for Backup

60 Internet Authorization Timeout Value (seconds)

240 Internet Settlement Timeout Value/Batch (seconds)

OK

Cancel

Communication

Use Dial-up Modem -- (Default = Unselected) -- Not implemented.

Use TCP/IP -- (Default = Unselected) -- Not implemented.

Use TCP/IP Lease Line -- (Default = Selected) -- Select this option if your account is set up to connect to FHAW via a TCP/IP lease line connection.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (Default = Empty) -- This is the FHAW gateway. This information will be provided to you by FHAW. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = 4324) -- This information will be provided to you by FHAW. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Not implemented.

First Horizon (FTMS)

FTMS Notes

- FTMS accounts are terminal based.
- FTMS will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to FTMS via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the FTMS gateway.

FTMS Contact Information

- **WWW** -- <http://www.firsthorizon.com>
- **Customer Service** -- (800) 656-9405

FTMS Extended Data Fields

First Horizon Extended Data Fields

Business Type

Retail Restaurant

Mail Order

Electronic Commerce

Company Information

Enable Commercial Card Fields

Process MC Reversals

Process VISA Reversals

OK

Cancel

Advanced..

Merchant Information

Bin #:

Store #:

Terminal #:

Chain #:

Agent #:

Currency Code: 840

Country Code: 840

City Code:

Language Code: 00

Category Code:

Time Zone:

Cust. Service #:

Express Pay

Enable Express Pay

Floor Limit: \$0.00

Batch Information

Primary:

Secondary:

Batch #:

Location #: 00001

Max Batch Size: 0

Restaurant Information

Authorization Expansion Factor 000 %

Require Server ID

Business Type

Retail -- (Default = Selected) -- Select this option if FTMS classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if FTMS classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if FTMS classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if FTMS classifies your business as a restaurant.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of "00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process MC Reversals -- (Default = Unchecked) Allows you to process reversals on Master Cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Process Visa Reversals -- (Default = Unchecked) Allows you to process reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Express Pay

This section is not accessible unless **Retail** is selected as a **Business Type**.

Enable Express Pay -- (Default = Unchecked) -- If you have set up Express Pay with the processing company, check this box. If this box is checked and the amount of the transaction is less than the **Floor Limit** amount, **PCCharge** will not authorize the transaction--it will only place the transaction in the open batch. Express Pay is usually used in a quick service environment with small ticket items. **Note:** Using Express Pay will increase transaction processing costs.

Floor Limit -- (Default = \$0.00) -- Allows you to set the floor limit when using Express Pay.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- (Default = 001) -- The batch number is the counter for the current batch. This number is incremented after every batch is settled.

Location #: -- Enter a Location Number. This value designates which site or location is processing the transactions.

Note: Do not change the **Batch #** unless directed by a Technical Support Representative.

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PCCharge** will send to the processor. If your batch is greater than the number specified here, **PCCharge** will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time. As stated below, make sure to set this value to 150 or lower if you're using FTMS TCP/IP.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PCCharge** will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, PCCharge will default to sending the maximum number of transactions per batch accepted by the processor. For FTMS Dial, this is 999. For FTMS TCP/IP, this is 150.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those FTMS users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Cardholder Activated Terminal Type

Not implemented.

Advanced

Click this button to access the **First Horizon Advanced Options** window.

First Horizon Advanced Options

First Horizon Advanced Options

Communications

- Use Dial-up Modem
- Use TCP/IP
- Use TCP/IP Lease Line
- Use TCP/IP Pass Through

Network System Information

System Address

System Port

Dial Backup

- Use Dial-Up Modem for Backup
- Internet Authorization Timeout Value (seconds)
- Internet Settlement Timeout Value/Batch (seconds)

OK
Cancel

Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to FTMS using your modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the FTMS gateway to process transactions via TCP/IP.

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (Default = As Shown) -- This is the FTMS gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- Do not alter this information unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want PCCharge to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Global Payments - Central (MAPP)

MAPP Notes

- MAPP accounts are host based (except for Restaurant accounts--terminal based).
- MAPP will provide you with a 13-character Terminal ID that begins with the letters PC. Use this as your **Credit Card Company Number** when setting up your account in PCCharge. Consult the section **Credit Card Company Setup** in your PCCharge User's Manual for more information.
- PCCharge can connect to MAPP via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

MAPP Contact Information

- **WWW** -- <http://www.globalpaymentsinc.com>
- **Customer Service** -- (800) 367-2638

MAPP Extended Data Fields

Global Payments-Central Extended Setup

Business Type

Retail

Mail Order

Electronic Commerce

Company Information

Manual Open and Close Batches

Enable Commercial Card Fields

Process MasterCard Reversals

Process VISA Reversals

Batch Information

Batch Number:

Balance:

OK

Cancel

Business Type

Retail -- (Default = Selected) -- Select this option if MAPP classifies your business as Retail.

Mail Order -- (Default = Unselected) -- Select this option if MAPP classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Selected) -- Select this option if MAPP classifies your business as e-Commerce.

Company Information

Manual Open and Close batches -- (Default = Unchecked) -- **PCCharge** defaults to closing your batch automatically. If you would like to change from automatic to manual or manual to automatic, you must notify your merchant service provider/MAPP. Once MAPP has configured your company's account to automatic or manual, you should uncheck or check this box, respectively.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process MC Reversals -- (Default = Unchecked) -- Not implemented.

Process Visa Reversals -- (Default = Unchecked) -- Check this option to process reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Batch Information

Batch Number -- (Default = Empty) -- When the manual open and close box is checked, **PCCharge** keeps track of the batch number automatically. **PCCharge** will enter this information as transactions are performed. Do not alter this value unless directed by a Technical Support Representative.

Balance -- (Default = Empty) -- When the manual open and close box is checked, **PCCharge** keeps track of the balance of your open batch. **PCCharge** will update this information automatically as transactions are performed. Do not alter this value unless directed by a Technical Support Representative.

Global Payments - East (NDC)

NDC Notes

- NDC accounts are host based (except for Restaurant accounts--terminal based).
- NDC will provide you with a 1-15-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in PCCharge. Consult the section **Credit Card Company Setup** in your PCCharge User's Manual for more information.
- PCCharge can connect to NDC via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the NDC gateway.
- If you're using your NDC account to process a non-swiped (manually entered) Visa or Discover transaction, you must specify a CVV2/CID value or your transaction will be downgraded (resulting in a higher per-transaction cost). If you choose not to or cannot specify a CVV2/CID value, PCCharge will prompt you to specify one of the following selections:
 - **Deliberately Bypassed** = If you're deliberately not specifying a CVV2/CID value.
 - **Value is Illegible** = If the CVV2/CID value on the card cannot be read.
 - **Value Not on Card** = If the card has no CVV2/CID value.
- NDC supports Visa and MasterCard purchasing card (level two) transactions, but does not support American Express purchasing card transactions at this time. In order to process AMEX purchasing card transactions, you'll need use split dial / split settle (consult the section **Split Dial / Split Settle** in the PCCharge User's Guide).

NDC Contact Information

- **WWW** -- <http://www.globalpaymentsinc.com>
- **Customer Service** -- (800) 367-2638

NDC Extended Data Fields

Merchant Information

Bank ID -- (Default = Empty) (6-digits) -- Allows you to enter your NDC Bank ID.

Merchant Type -- (Default = Empty) -- Not implemented.

Batch Information

This section is not accessible if **Restaurant** is selected as the **Company Type**.

Note: This information will not be used unless the **Manual/Open Close** option is checked. Do not alter these values unless directed by a Technical Support Representative.

The screenshot shows a software dialog box with the following fields and options:

- Merchant Information:** Bank ID (text box), Merchant Type (text box).
- Batch Information:** Batch Number (text box), Number of Items (text box), Batch Amount (text box, value: \$0.00).
- Credit Card Information:** Purchase # (text box, value: 0), Purchase \$ (text box, value: \$0.00), Return # (text box, value: 0), Return \$ (text box, value: \$0.00).
- Debit Card Information:** Purchase # (text box, value: 0), Purchase \$ (text box, value: \$0.00), Return # (text box, value: 0), Return \$ (text box, value: \$0.00).
- Dialup Options:** SprintNet, DataPac.
- Company Information:** Manual Open / Close, Allow Duplicate Transactions.
- Company Type:** E-Commerce, Retail, Mail Order, Restaurant.
- Restaurant Information:** Expansion Factor (text box, value: 000) %, Require Server ID.
- Purchase Card Setup:** Enable Commercial Card Fields.

Batch Number -- (Default = Empty) -- This field contains the current batch number. It will be incremented if you are closing your batches manually.

Number of Items -- (Default = Empty) -- This field contains the number of items in the current batch. It will be incremented automatically as transactions are entered.

Batch Amount -- (Default = \$0.00) -- This field contains the total value of the open batch.

Credit Card Information

This section is not accessible if **Restaurant** is selected as the **Company Type**.

The **Credit Card Information** section displays the amounts of your credit card purchases and returns. Do not alter these values unless directed by a Technical Support Representative.

Debit Card Information

This section is not accessible unless **Restaurant** is selected as the **Company Type** in this **Global Payments East Extended Data Fields** window and **U.S.** is selected as the **Location** in the **NDC Debit Setup** window (see page 119).

The **Debit Card Information** section displays the amounts of your debit card purchases and returns. Do not alter these values unless directed by a Technical Support Representative.

Dialup Options

This section is not accessible unless **Use IPN (TCP/IP)** is selected as the **Communications Type** in the **Global Payments East (NDC) Advanced Options** window. If you are connecting to NDC through **SprintNet** or **DataPack**, check the appropriate box. If you are not sure if you set up to use either of these options, check with NDC or whoever set up your account.

Company Information

Manual Open/Close -- (Default = Unchecked) - **PCCharge** defaults to closing your batch automatically. If you would like to change from automatic to manual or manual to automatic, you must notify your merchant service provider/NDC. Once NDC has configured your company's account to automatic or manual, you should uncheck or check this box, respectively. This option is not accessible if **Restaurant** is selected as the **Company Type**.

Allow Duplicate Transactions -- (Default = Unchecked) -- This option is a safety feature. When checked, only one transaction for a certain amount can be processed on a particular credit card number per day. This does not mean that you can't process other transactions. It just prevents accidental duplicate transactions.

Company Type

E-Commerce -- (Default = Unselected) -- Select this option if NDC classifies your business as e-Commerce.

Retail -- (Default = Selected) -- Select this option if NDC classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if NDC classifies your business as MOTO (Mail Order/Telephone Order).

Restaurant -- (Default = Unselected) -- Select this option if NDC classifies your business as a restaurant.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Company Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Note: NDC will not allow your actual total sale plus gratuity amount to exceed 120% of your originally authorized total sale plus gratuity amount, no matter what you set as your **Authorization Expansion Factor**.

Example:

1. Your **Authorization Expansion Factor** is set to 110%. The customer's bill is \$10.00.
2. Therefore, you enter \$10.00 into the **PCCharge Sale** screen.
3. **PCCharge** automatically adds 10% of \$10.00 (based on your **Authorization Expansion Factor**) and authorizes \$11.00.
4. However, when you go back to the customer, he has left a tip of \$5.00. This would result in an actual total of \$15.00, which is greater than 120% of your originally authorized total of \$12.00. You could not, in this situation, add to the original gratuity by performing a **Gratuity** transaction.
5. Instead, you would need to perform a **Void Sale** on the original transaction, and enter a **Sale** of \$10.00 with a \$5.00 gratuity amount.

This is a limitation of NDC's restaurant authorization system.

Purchase Card Setup

Enable Commercial Card Fields -- (Default = Unchecked) -- Check this box if your company's account is set up to accept commercial cards.

Global Payments East (NDC) Advanced Options

Global Payments East(NDC) Advanced Options

Communications

Use Dial-up Modem

Use IPN (TCP/IP)

TCP/IP Information

Primary URL:

Secondary URL:

Datawire ID:

Dial Backup

Use Dial-Up Modem for Backup

Internet Authorization Timeout Value (seconds)

Internet Settlement Timeout Value/Batch (seconds)

OK Cancel

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to NDC using your modem.

Use IPN (TCP/IP) -- (Default = Unselected) -- Select this option if your account is set up to connect to NDC via an IPN (TCP/IP) connection.

TCP/IP Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary URL -- (Default = As Shown) -- This is the primary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Secondary URL -- (Default = As Shown) -- This is the secondary URL of this processor's gateway. Do not change this setting unless directed by a Technical Support Representative.

Datawire ID -- (Default = Empty) -- This information will be provided to you by NDC (AKA DID or Device ID).

Dial Backup

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 30) -- Set this value to the number of seconds you want **PCCharge** to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 0) -- Set this value to the number of seconds you want **PCCharge** to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Heartland Payment Systems (HPTS)

HPTS Notes

- HPTS accounts are terminal based.
- HPTS will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to HPTS via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the HPTS gateway.

HPTS Contact Information

- **WWW** -- <http://www.heartlandpaymentsystems.com>
- **Customer Service** -- (888) 963-3600

HPTS Extended Data Fields

Heartland Payment Systems Extended Data Fields

Business Type

Retail Restaurant

Mail Order

Electronic Commerce

Company Information

Enable Commercial Card Fields

Process MC Reversals

Process VISA Reversals

Merchant Information

Bin #:

Store #:

Terminal #:

Chain #:

Agent #:

Currency Code: 840

Country Code: 840

City Code:

Language Code: 00

Category Code:

Time Zone:

Cust. Service #: -

Express Pay

Enable Express Pay

Floor Limit: \$0.00

Batch Information

Primary:

Secondary:

Batch #: 000

Location #: 00001

Max Batch Size: 0

Settlement Port: 22342

Restaurant Information

Authorization Expansion Factor: 000 %

Require Server ID

Cardholder-Activated Terminal Type

Credit

Non-Terminal

Self-Serve Limited Amount

Self-Serve Terminal

Debit

Non-Terminal

Automated Dispensing

EBT

Non-Terminal

Automated Dispensing

OK Cancel Advanced..

Business Type

Retail -- (Default = Selected) -- Select this option if HPTS classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if HPTS classifies your business as MOTO (Mail Order/Telephone Order).

Restaurant -- (Default = Unselected) -- Select this option if HPTS classifies your business as a restaurant.

Electronic Commerce -- (Default = Unselected) -- Not implemented.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4-digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five-digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of "00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Company Information

Not implemented.

Express Pay

This section is not accessible unless **Retail** is selected as a **Business Type**.

Enable Express Pay -- (Default = Unchecked) -- If you have set up Express Pay with the processing company, check this box. If this box is checked and the amount of the transaction is less than the **Floor Limit** amount, **PCCharge** will not authorize the transaction--it will only place the transaction in the open batch. Express Pay is usually used in a quick service environment with small ticket items. **Note:** Using Express Pay will increase transaction processing costs.

Floor Limit -- (Default = \$0.00) -- Allows you to set the floor limit when using Express Pay.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing your batch.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing your batch.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- The batch number is the counter for the current batch. **PCCharge** automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- (Default = 00001) -- Enter a Location Number. This value designates which site or location is processing the transactions.

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PCCharge** will send to the processor. If your batch is greater than the number specified here, **PCCharge** will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PCCharge** will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PCCharge** will default to sending the maximum number of transactions per batch accepted by the processor. For HPTS Dial, this is 999. For HPTS TCP/IP, this is 150.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those HPTS users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Cardholder Activated Terminal Type

Not implemented.

Advanced

Click this button to access the **HPTS Advanced Options** window.

HPTS Advanced Options

LYNK Advanced Options

Communications

- Use Dial-up Modem
- Use ISDN
- Use TCP/IP
- Use TCP/IP Pass Through

Network System Information

System Address

System Port

Dial Backup

- Use Dial-Up Modem for Backup
- Internet Authorization Timeout Value (seconds)
- Internet Settlement Timeout Value/Batch (seconds)

OK
Cancel

Communication

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to HPTS using your modem.

Use ISDN -- (Default = Unselected) -- Allows you to process transaction using an ISDN connection to HPTS made by a router on your network.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to HPTS via TCP/IP.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

System Address -- (Default = As Shown) -- This is the HPTS gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- Do not alter this information unless directed by a Technical Support Representative.

Dial Backup

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

NOVA (NOVA)

NOVA Notes

- NOVA accounts can be either host based or terminal based.
- NOVA will provide you with a 3-16-digit Terminal ID. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to NOVA via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 8100 for outgoing and incoming data. This is the TCP/IP port used by the NOVA gateway.
- NOVA does not currently accept PS2000 data being captured during a **Pre-auth** transaction if your account is in host mode. Therefore, NOVA merchants in host mode will encounter transaction downgrades for this transaction type, which will result in higher per-transaction costs. We recommend that NOVA merchants in host mode use **Sale** transactions instead of the standard **Pre-auth/Post-auth** combination.

NOVA Contact Information

- **WWW** -- <http://www.novainfo.com>
- **Customer Service** -- (800) 725-1243

NOVA Extended Data Fields

NOVA Extended Data Fields

EDC Type

Host
 Terminal

Company Type

Retail
 Mail Order
 Electronic Commerce

Merchant Information

Bank #:

Manual Open and Close Batches
 Enable Commercial Card Fields

Batch Information

Batch Number:

Last Record #:

Record Count:

Balance:

OK
Cancel
Advanced

EDC Type

(Default = **Host**) -- Allows you to select an Electronic Draft Capture mode. The **EDC Type** refers to the certification type.

Host -- Select **Host** if you are set up on the NOVA system as Host Based.

Terminal -- Select **Terminal** if you are set up on the NOVA system as Terminal Based.

Company Type

Retail -- (Default = Unselected) -- Select this option if NOVA classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Selected) -- Select this option if NOVA classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if NOVA classifies your business as e-Commerce.

Merchant Information

Bank #: -- (Default = Empty) (6-digits) -- Allows you to enter your Bank ID.

Manual Open and Close Batches -- (Default = Unchecked) -- **PCCharge** defaults to closing your batch automatically. If you would like to change from automatic to manual or manual to automatic, you must notify your merchant service provider/NOVA. Once NOVA has configured your company's account to automatic or manual, you should uncheck or check this box, respectively.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

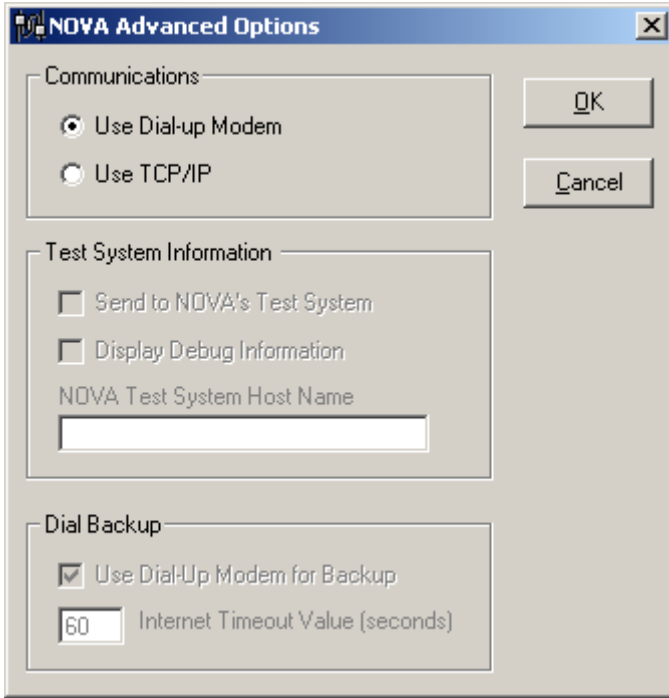
Batch Information

These fields are automatically updated by **PCCharge** as transactions are being processed and closed. Do not alter these values unless directed by a Technical Support Representative.

Advanced

Click this button to access the **NOVA Advanced Options** window.

NOVA Advanced Options Setup



Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to NOVA using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to NOVA via TCP/IP.

Test System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Send to NOVA's Test System -- (Default = Unchecked) -- If you would like to send a test transaction to the NOVA Test System, enable this option.

Display Debug Information -- (Default = Unchecked) -- If you would like to view the debug information while using NOVA's Test System, enable this option.

NOVA Test System Host Name -- (Default = As Shown) -- This is the address of the NOVA Test System. Do not alter this value unless directed by a Technical Support Representative. This field is not accessible unless **Send to NOVA's Test System** is checked.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for a TCP/IP connection to be established with the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

NPC (NPC)

NPC Notes

- NPC accounts are terminal based.
- NPC will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge** User's Manual for more information.
- **PCCharge** can connect to NPC to authorize transactions via a dial-up modem connection or an Internet connection. **PCCharge** can connect to NPC to settle transactions via a dial-up modem connection, lease line connection, or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the NPC gateway.
- **PCCharge** supports the Bill Pay program with this processor. During a transaction, you may click **Yes** when prompted to indicate if the transaction is a bill payment transaction. To learn how to enable this prompt, consult the section **Configure System** or **Preferences** in the **PCCharge** User's Manual.

NPC Contact Information

- **WWW** -- <http://www.npc.net>
- **Customer Service** -- (800) 928-2583

NPC Extended Data Fields

NPC Extended Data Fields

Company Information:

- Retail
- Mail Order
- eCommerce
- Enable Commercial Card Fields
- Process MC Reversals Off-line
- Process VISA Reversals Off-line

Merchant Information:

Bin #:
Store #:
Terminal #:
Chain #:
Agent #:
Currency Code:
Country Code:
City Code:
Language Code:
Category Code:
Time Zone:
Cust. Service #:

Settlement Information:

Primary:
Secondary:
Terminal ID:
Batch #:

Settlement Connection:

- Dial-Up
- TCP/IP SSL
- TCP/IP Lease Line

URL:
Port:
Max Block Size:
Max Block Count:
 Enable Dial Backup Settlement Timeout Value:

OK Cancel Advanced...

Company Information

Retail -- (Default = Selected) -- Select this option if NPC classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if NPC classifies your business as MOTO (Mail Order/Telephone Order).

eCommerce -- (Default = Unselected) -- Select this option if NPC classifies your business as e-Commerce.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process MC Reversals -- Not implemented.

Process VISA Reversals -- (Default = Unchecked) Allows to process reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction. This option is not accessible unless **Mail Order** or **eCommerce** is selected as a business type.

Note: At this time, American Express and Discover do not support reversals.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Allows you to enter the Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Allows you to enter the currency code describing the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Allows you to enter the country code that identifies your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00 is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Settlement Information

Primary -- (Default = As Shown) -- Allows you to enter a primary settlement phone number. This phone number is used when closing. If no number is specified, the default processing number will be used.

Secondary -- (Default = As Shown) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing. If no number is specified, the default processing number will be used.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- (Default = 001) -- The batch number is the counter for the current batch. This number is incremented after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Settlement Connection

Dial-Up -- (Default = Unchecked) -- If you check this box, **PCCharge** will settle transactions for this account via your dial-up modem connection. Note that this allows for dial-up modem settlement *only*. Authorization will still occur via whatever connection you've selected from the **Communications** options in the **NPC Advanced Options** window.

TCP/IP SSL -- (Default = Unchecked) -- If you check this box, **PCCharge** will settle transactions for this account via your TCP/IP SSL connection. Note that this allows for TCP/IP SSL settlement *only*. Authorization will still occur via whatever connection you've selected from the **Communications** options in the **NPC Advanced Options** window.

TCP/IP Lease Line -- (Default = Unchecked) -- If you check this box, **PCCharge** will settle transactions for this account via your TCP/IP SSL connection. Note that this allows for TCP/IP SSL settlement *only*. Authorization will still occur via whatever connection you've selected from the **Communications** options in the **NPC Advanced Options** window.

URL -- (Default = As Shown) -- This information is not accessible unless **TCP/IP SSL** or **TCP/IP Lease Line** is checked. This is the URL (Internet address) to which NPC TCP/IP settlement information will be sent. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- This information is not accessible unless **TCP/IP SSL** or **TCP/IP Lease Line** is checked. This is the port through which NPC TCP/IP settlement information will be sent. Do not alter this value unless directed by a Technical Support Representative.

Max Block Size -- (Default = As Shown) -- Do not alter this value unless directed by a Technical Support Representative.

Max Block Count -- (Default = As Shown) -- Do not alter this value unless directed by a Technical Support Representative.

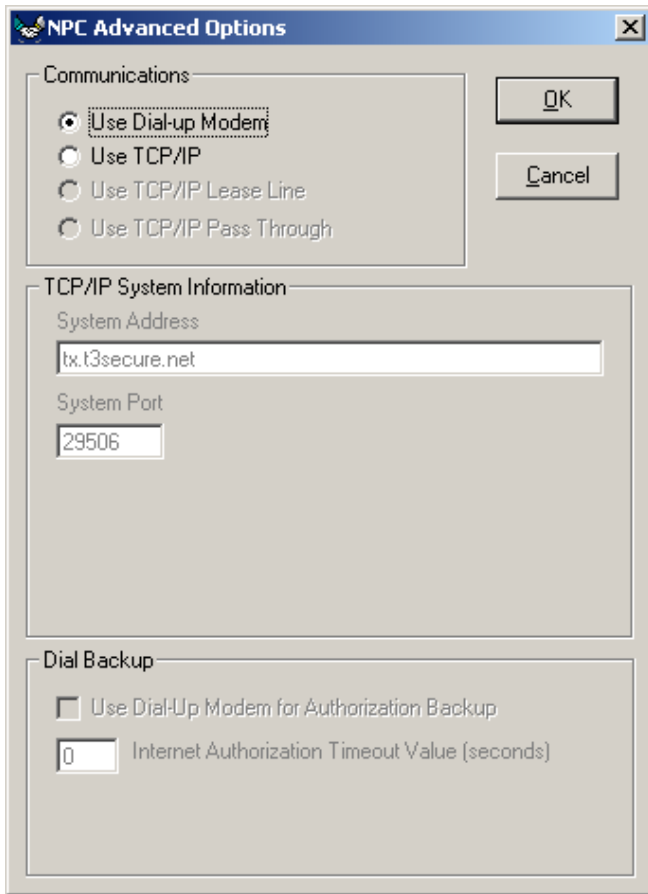
Enable Dial Backup -- (Default = Unchecked) -- This information is not accessible unless **TCP/IP SSL** or **TCP/IP Lease Line** is checked. By checking this box, **PCCharge** will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Settlement Timeout Value -- (Default = 0) -- This information is not accessible unless **TCP/IP SSL** or **TCP/IP Lease Line** is checked. Set this value to the number of seconds you want **PCCharge** to wait for acknowledgement of TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Advanced

Click this button to access the **NPC Advanced Options** window.

NPC Advanced Options



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to NPC using your modem.

Use TCP/IP -- (Default = Unselected) -- If you check this box, **PCCharge** will authorize transactions for this account via the Internet. Note that this allows for Internet authorizations *only*. Settlement will occur via a dial-up connection or lease line connection (configured using the **Settle Via TCP/IP** option on the **NPC Extended Data Fields** window).

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (As Shown) -- This is the NPC gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- This is the NPC system port. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 0) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Paymentech (GSAR)

GSAR Notes

- GSAR accounts are host based (except for Restaurant accounts--terminal based).
- GSAR will provide you with a 12-digit Merchant Number and a 3-digit Terminal ID. Combine these numbers to create a number that is 15 digits long. **Example:**

123456789012 (merchant number) *followed by* 123 (terminal ID) =
123456789012123 (example Credit Card Company Number)

Use this method to construct your own **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.

- **PCCharge** can connect to GSAR via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the GSAR gateway.
- It is required that you enter a Ticket Number into **PCCharge** for Paymentech (GSAR) e-Commerce transactions

GSAR Contact Information

- **WWW** -- <http://www.paymentech.com>
- **Customer Service** -- (800) 254-9556

GSAR Extended Data Fields

Paymentech Extended Data Fields

Account Information

Client Number: 0001

Batch Number:

Last Record #:

Enable Commercial Card Fields

Business Type

Retail

Mail Order

Electronic Commerce

Restaurant

Restaurant Information

Authorization Expansion Factor 000 %

Require ServerID

OK

Cancel

Advanced...

Account Information

Client Number -- (Default = 0001) -- Set this value to your company's 4-digit GSAR client number.

Batch Number -- (Default = Empty) -- Every time you settle a batch this field is automatically incremented by PCCharge.

Last Record Number -- (Default = Checked) -- This field is automatically updated by PCCharge as transactions are being processed and/or closed. Do not alter this value unless directed by a Technical Support Representative.

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

SIIP Eligible Merchant -- (Default = Unchecked) -- Uncheck this box if your company's account qualifies for GSAR's SIIP program (contact GSAR for more information).

Business Type

Retail -- (Default = Selected) -- Select this option if GSAR classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if GSAR classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if GSAR classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if GSAR classifies your business as a restaurant.

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Advanced

Click this button to access the **Paymentech Advanced Options** window.

Paymentech Advanced Options

Paymentech Advanced Options

Communications

- Use Dial-up Modem
- Use TCP/IP Lease Line
- Use TCP/IP
- Use TCP/IP Pass Through

Lease Line System Information

Primary Authorization Address	Port
<input type="text" value="https://netconnect.paymentech.net/NetCon"/>	<input type="text" value="443"/>
Secondary Authorization Address	<input type="text"/>
Primary Settlement Address	<input type="text"/>
Secondary Settlement Address	<input type="text"/>

Dial Backup

- Use Dial-Up Modem for Backup
- Internet Authorization Timeout Value (seconds)
- Internet Settlement Timeout Value/Batch (seconds)

OK

Cancel

Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to GSAR using your modem.

Use TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to GSAR via a TCP/IP lease line connection.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to GSAR via TCP/IP.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Lease Line System Information

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Primary Authorization Address -- (Default = Empty) -- This information will be supplied to you by GSAR.

Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

Secondary Authorization Address -- (Default = Empty) -- This information will be supplied to you by GSAR.

Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

Primary Settlement Address -- (Default = Empty) -- This information will be supplied to you by GSAR.

Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

Secondary Settlement Address -- (Default = Empty) -- This information will be supplied to you by GSAR.

Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (As Shown) -- This is the GSAR gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

User Name -- (Default = Empty) -- This user name is needed in order to communicate with GSAR via TCP/IP. This information will be supplied to you by GSAR.

Password -- (Default = Empty) -- This password is needed in order to communicate with GSAR via TCP/IP. Do not alter this information unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP Lease Line** or **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

RBS Lynk Systems, Inc. (LYNK)

LYNK Notes

- LYNK accounts are terminal based.
- LYNK will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to LYNK via a dial-up modem connection, an ISDN connection, or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
 - Consult the section **ISDN Processing** in **About Communication Types** for more information on TCP/IP processing (see page 14).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the LYNK gateway.

LYNK Contact Information

- **WWW** -- <http://www.lynksystems.com>
- **Customer Service** -- (800) 859-5965

LYNK Extended Data Fields

LYNK Extended Data Fields

Business Type

Retail Restaurant

Mail Order

Electronic Commerce

Company Information

Enable Commercial Card Fields

Process MC Reversals

Process VISA Reversals

OK

Cancel

Advanced..

Merchant Information

Bin #:

Store #:

Terminal #:

Chain #:

Agent #:

Currency Code:

Country Code:

City Code:

Language Code:

Category Code:

Time Zone:

Cust. Service #:

Express Pay

Enable Express Pay

Floor Limit:

Batch Information

Primary:

Secondary:

Batch #:

Location #:

Max Batch Size:

Restaurant Information

Authorization Expansion Factor %

Require Server ID

Business Type

Retail -- (Default = Selected) -- Select this option if LYNK classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if LYNK classifies your business as MOTO (Mail Order/Telephone Order).

Restaurant -- (Default = Unselected) -- Select this option if LYNK classifies your business as a restaurant.

Electronic Commerce -- (Default = Unselected) -- Not implemented.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process MC Reversals -- (Default = Unchecked) Allows you to process reversals on Master Cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Process Visa Reversals -- (Default = Unchecked) Allows you to process reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Express Pay

This section is not accessible unless **Retail** is selected as a **Business Type**.

Enable Express Pay -- (Default = Unchecked) -- If you have set up Express Pay with the processing company, check this box. If this box is checked and the amount of the transaction is less than the **Floor Limit** amount, **PCCharge** will not authorize the transaction--it will only place the transaction in the open batch. Express Pay is usually used in a quick service environment with small ticket items. **Note:** Using Express Pay will increase transaction processing costs.

Floor Limit -- (Default = \$0.00) -- Allows you to set the floor limit when using Express Pay.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing your batch.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing your batch.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- The batch number is the counter for the current batch. **PCCharge** automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- (Default = 00001) -- Enter a Location Number. This value designates which site or location is processing the transactions.

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PCCharge** will send to the processor. If your batch is greater than the number specified here, **PCCharge** will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PCCharge** will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PCCharge** will default to sending the maximum number of transactions per batch accepted by the processor. For **LYNK Dial**, this is 999. For **LYNK TCP/IP**, this is 150.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those **LYNK** users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Cardholder Activated Terminal Type

Not implemented.

Advanced

Click this button to access the **LYNK Advanced Options** window.

LYNK Advanced Options

LYNK Advanced Options

Communications

- Use Dial-up Modem
- Use ISDN
- Use TCP/IP
- Use TCP/IP Pass Through

Network System Information

System Address

System Port

Dial Backup

- Use Dial-Up Modem for Backup
- Internet Authorization Timeout Value (seconds)
- Internet Settlement Timeout Value/Batch (seconds)

OK
Cancel

Communication

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to LYNK using your modem.

Use ISDN -- (Default = Unselected) -- Allows you to process transaction using an ISDN connection to LYNK made by a router on your network.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to LYNK via TCP/IP.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

System Address -- (Default = As Shown) -- This is the LYNK gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- Do not alter this information unless directed by a Technical Support Representative.

Dial Backup

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company via dial-up modem if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for an authorization when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Internet Settlement Timeout Value/Batch -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for a settlement when connecting via TCP/IP. The backup dial-up modem is then used to establish a connection to this processing company.

Royal Bank of Canada (RBOC)

RBOC Notes

- RBOC accounts are host based.
- RBOC will provide you with a 13-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to RBOC via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

RBOC Contact Information

- **WWW** -- <http://www.royalbank.com>
- **Customer Service** -- (800) 268-8644

RBOC Extended Data Fields

RBOC Extended Data Fields

Merchant Information

ECR Number:

Batch Information

Batch Number:

Sequence Number:

Batch Amount:

Credit Card Information

Purchase #:

Purchase \$:

Returns #:

Returns \$:

Voids #:

Voids \$:

Company Information

Retail

Mail Order

Electronic Commerce

Debit Cards Supported

Accept Debit Cards

Credit Cards Supported

VISA

Mastercard

Diners Club

enRoute

American Express

OK

Cancel

Initialize

Merchant Information

ECR Number -- (Default = Empty) (8-digits) -- Allows you to enter the ECR Number that identifies your RBOC account.

Batch Information

This information will change as transactions are processed. Do not alter these values unless directed by a Technical Support Representative.

Batch Number -- (Default = 001) -- The batch number is a number that identifies the open batch.

Sequence Number -- (Default = 000) -- The sequence number is the number of the last transaction performed in the open batch.

Batch Amount -- (Default = Empty) -- The batch amount is the total amount of the open batch.

Credit Card Information

This section shows the number and amounts of purchases, credits and voids performed in the open batch. This information will change as transactions are processed. Do not change this information unless directed by your merchant service provider or Technical Support.

Purchases # -- (Default = 0) -- This is the total number of purchases in the open batch.

Purchases \$ -- (Default = \$0.00) -- This is the total monetary value of all purchases in the open batch.

Return # -- (Default = 0) -- This is the number of returns in the open batch.

Return \$ -- (Default = \$0.00) -- This is the monetary value of the returns in the open batch.

Voids # -- (Default = 0) This is the number of voids in the open batch.

Voids \$ -- (Default = \$0.00) -- This is the monetary value of the voids in the open batch.

Company Information

Retail -- (Default = Selected) -- Select this option if RBOC classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if RBOC classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if RBOC classifies your business as e-Commerce.

Debit Cards Supported

Accept Debit Cards -- (Default = Unchecked) -- Unlike other debit card processing companies in **PCCharge**, RBOC debit processing does not need to be set up via the **Debit Card Setup** window. Instead, put a check in this box to turn on this ability.

Credit Cards Supported

Do not change this information unless directed to do so by RBOC.

Initialize -- Not implemented.

Vital (VISA)

VISA Notes

- VISA accounts are terminal based.
- VISA will provide you with a 12-digit Merchant Number. Use this as your **Credit Card Company Number** when setting up your account in **PCCharge**. Consult the section **Credit Card Company Setup** in your **PCCharge User's Manual** for more information.
- **PCCharge** can connect to VISA via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the VISA gateway.
- **PCCharge** supports the Bill Pay program with this processor. During a transaction, you may click **Yes** when prompted to indicate if the transaction is a bill payment transaction. To learn how to enable this prompt, consult the section **Configure System** or **Preferences** in the **PCCharge User's Manual**.

VISA Contact Information

- **WWW** -- <http://www.visa.com>
- **Customer Service** -- (800) 552-8227

VISA Extended Data Fields

Vital Extended Data Fields

Business Type

Retail Restaurant
 Mail Order
 Electronic Commerce

Company Information

Enable Commercial Card Fields
 Process MC Reversals
 Process VISA Reversals

Merchant Information

Bin #: 000001
Store #:
Terminal #:
Chain #:
Agent #:
Currency Code: 840
Country Code: 840
City Code:
Language Code: 00
Category Code:
Time Zone:
Cust. Service #:

Express Pay

Enable Express Pay
Floor Limit: \$0.00

Batch Information

Primary:
Secondary:
Batch #: 001
Location #: 00001
Max Batch Size: 999

Restaurant Information

Authorization Expansion Factor: 000 %
 Require Server ID

Cardholder-Activated Terminal Type

Credit

Non-Terminal
 Self-Serve Limited Amount
 Self-Serve Terminal

Debit

Non-Terminal
 Automated Dispensing

EBT

Non-Terminal
 Automated Dispensing

OK Cancel Advanced...

Business Type

Retail -- (Default = Selected) -- Select this option if VISA classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Select this option if VISA classifies your business as MOTO (Mail Order/Telephone Order).

Electronic Commerce -- (Default = Unselected) -- Select this option if VISA classifies your business as e-Commerce.

Restaurant -- (Default = Unselected) -- Select this option if VISA classifies your business as a restaurant.

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Agent # -- (Default = Empty) (6-digits) -- Enter your account's Agent Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of " 00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type. This is sometimes known as the **SIC** or the **MCC**.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Time Zone	Eastern	Central	Mountain	Pacific	Arizona
Time Zone Code	705	706	707	708	707

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Company Information

Enable Commercial Card Fields -- (Default = Checked) -- Uncheck this box if your company's account is not set up to accept commercial cards.

Process MC Reversals -- (Default = Unchecked) -- Not implemented.

Process Visa Reversals -- (Default = Unchecked) Allows to process reversals on Visa cards. If the pre-authorized amount of a transaction is more than the post-authorization, you can process a reversal on the transaction.

Express Pay

This section is not accessible unless **Retail** is selected as a **Business Type**.

Enable Express Pay -- (Default = Unchecked) -- If you have set up Express Pay with the processing company, check this box. If this box is checked and the amount of the transaction is less than the **Floor Limit** amount, **PCCharge** will not authorize the transaction--it will only place the transaction in the open batch. Express Pay is usually used in a quick service environment with small ticket items. **Note:** Using Express Pay will increase transaction processing costs.

Floor Limit -- (Default = \$0.00) -- Allows you to set the floor limit when using Express Pay.

Batch Information

Primary -- (Default = Empty) -- Allows you to enter a primary settlement phone number. This phone number is used when closing your batch.

Secondary -- (Default = Empty) -- Allows you to enter a secondary settlement phone number. This phone number is used when closing your batch.

Terminal ID -- (Default = Empty) -- Allows you to enter the terminal identification number of your merchant account.

Batch # -- (Default = 001) -- The batch number is the counter for the current batch. **PCCharge** automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- Enter a Location Number. This value designates which site or location is processing the transactions.

Max Batch Size: -- (Default = Empty) -- This allows you to specify the maximum number of transactions per batch that **PCCharge** will send to the processor. If your batch is greater than the number specified here, **PCCharge** will split it into multiple batches, each containing (at most) the number of transactions specified here. The batches are then sent to the processor one at a time.

Example: You have 250 transactions to settle and your **Max Batch Size:** is set to 100. **PCCharge** will send two 100-transaction batches and one 50-transaction batch.

Note: If you do not specify a value in the **Max Batch Size:** field, **PCCharge** will default to sending the maximum number of transactions per batch accepted by the processor. For VISA Dial, this is 999. For VISA TCP/IP, this is 999.

The following information applies to those high-end users who settle batches consisting of 100 or more transactions. Individual transactions within the batch are transmitted with extra information that can rapidly consume available system memory and resources. For those VISA users who settle a high volume of transactions, we recommend the following system memory specifications:

- to settle a batch of 100 or more transactions: 64 megabytes system memory
- to settle a batch of 500 or more transactions: 128 megabytes system memory
- to settle a batch of 1000 or more transactions: 256 megabytes system memory

Restaurant Information

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Cardholder Activated Terminal Type

These options primarily apply to applications that are integrated with **PCCharge**. Most users should leave the default option checked (**Non-Terminal**). This section is not accessible unless **Retail** is selected as a **Business Type**.

- **Non-Terminal** -- (Default = Selected) -- Select this option if your account is not set up as a self-service terminal.
- **Self-Serve Limited Amount** -- (Default = Selected) -- Select this option if your account is set up as a self-service terminal and you have pre-established a transaction amount with this processing company.
- **Self-Serve Terminal** -- (Default = Selected) -- Select this option if your account is set up as a self-service terminal and you have not pre-established a transaction amount with this processing company.

Advanced

Click this button to access the **Vital Advanced Options** window.

Vital Advanced Options

VISA Advanced Options

Communications

Use Dial-up Modem

Use TCP/IP

Use TCP/IP Lease Line

Use TCP/IP Pass Through

Network System Information

System Address
ssl2.vitalps.net

System Port
5004

Dial Backup

Use Dial-Up Modem for Backup

60 Internet Authorization Timeout Value (seconds)

240 Internet Settlement Timeout Value/Batch (seconds)

OK

Cancel

Communication

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to Vital using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the Vital gateway to process transactions via TCP/IP.

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (As Shown) -- This is the Vital gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (As Shown) -- Not implemented.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for a TCP/IP authorization. The backup dial-up modem is then used.

Internet Settlement Timeout Value/Batch -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for a TCP/IP settlement. The backup dial-up modem is then used.

Appendix B -- Debit Card Processing Companies

Your processing company/vendor/merchant service provider should have provided to you most of the information on each company's **Extended Data Fields** window. Check the documentation you received upon setting up your debit card processing company merchant account.

Alliance Data Systems, Inc. (ADSI) Debit

ADSI Debit Notes

- ADSI debit accounts support DUKPT key management.
- PCCharge can connect to ADSI debit via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

ADSI Debit Contact Information

- WWW -- <http://www.alliancedatasystems.com>
- Customer Service -- (972) 348-5100

ADSI Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

Bypass, Inc. (BPAS) Debit

BPAS Debit Notes

- BPAS debit accounts support DUKPT key management.
- **PCCharge** can connect to BPAS debit via a dial-up modem connection, lease line connection, or an Internet connection. **PCCharge** will connect to BPAS debit via the communications method you've specified for BPAS credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the BPAS gateway.
- Because the Internet connection to BPAS is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your BPAS account. This will install the XML parser needed to communicate with BPAS.

BPAS Debit Contact Information

- **WWW** -- <http://www.concordefsnets.com>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

BPAS Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

Concord EFS (CCRD) Debit

CCRD Debit Notes

- CCRD debit accounts support DUKPT key management.
- **PCCharge** can connect to CCRD debit via a dial-up modem connection or an Internet connection. **PCCharge** will connect to CCRD debit via the communications method you've specified for CCRD credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- Because the TCP/IP connection to CCRD is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your CCRD account. This will install the XML parser needed to communicate with CCRD.
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the CCRD gateway.

CCRD Debit Contact Information

- **WWW** -- <http://www.concordefsf.com>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

CCRD Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

FDMS North / Cardnet (CES) Debit

CES Debit Notes

- CES debit accounts support DUKPT key management.
- **PCCharge** can connect to CES debit via a dial-up modem connection or an Internet connection. **PCCharge** will connect to CES debit via the communications method you've specified for CES credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the CES gateway.

CES Debit Contact Information

- **WWW** -- <http://www.fdms.com>
- **Customer Service** -- (800) 346-3315

CES Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

FDMS South / NaBanco (NB) Debit

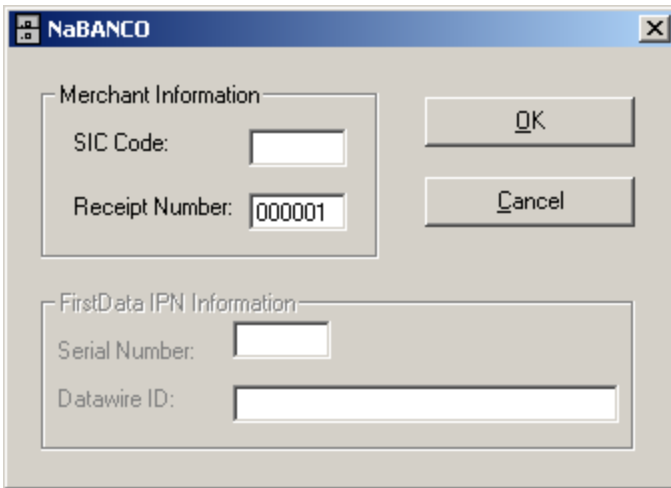
NB Debit Notes

- NB debit accounts support DUKPT key management.
- **PCCharge** can connect to NB debit via a dial-up modem connection or a lease line connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the NB gateway.

NB Debit Contact Information

- **WWW** -- <http://www.fdms.com>
- **Customer Service** -- (800) 732-9195

NB Debit Extended Data Fields



The image shows a screenshot of a software dialog box titled "NaBANCO". The dialog box is divided into two main sections. The top section is titled "Merchant Information" and contains two input fields: "SIC Code:" with an empty text box, and "Receipt Number:" with a text box containing the value "000001". To the right of these fields are two buttons: "OK" and "Cancel". The bottom section is titled "FirstData IPN Information" and contains two input fields: "Serial Number:" with an empty text box, and "Datawire ID:" with an empty text box.

Merchant Information

SIC Code: -- Enter your SIC Code in this field.

Receipt Number: -- Do not alter this value unless directed by a Technical Support Representative.

FirstData IPN Information

Note: This information is not accessible unless **FirstData IPN** is enabled in the **FDMS South / NaBanco (NB) Extended Data Fields**.

Serial Number -- (Default = Empty) (4-digits) -- Provided by NB. Do not alter this value unless directed by a Technical Support Representative. This **Serial Number** is not the same as either **Serial Number:** value in the **FDMS South / NaBanco (NB) Extended Data Fields** window.

Datawire ID -- (Default = Empty) (Up to 32 alphanumeric characters) -- This information will be provided to you by NB (AKA DID or Device ID). This **Datawire ID** is not the same as the **Datawire ID** used in the **FDMS South / NaBanco (NB) Extended Data Fields** window.

Fifth-Third Bank-St. Pete (BPS) Debit

BPS Debit Notes

- BPS debit accounts support DUKPT key management.
- PCCharge can connect to BPS debit via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
- Restaurant transactions can be processed by BPS debit. However, they will be treated as host based transactions (and so would require settlement). Gratuity transactions are not supported with BPS debit.
- The **Terminal IDs** for your BPS debit, EBT, and gift accounts can all be the same number. However, the **Terminal ID** for your BPS credit account must be a different number (if your BPS credit **Terminal Type** is set to **Terminal Capture**). If your BPS credit **Terminal Type** is set to **Host Capture**, you can use the same **Terminal ID** for all your BPS accounts.

BPS Debit Contact Information

- **WWW** -- <http://www.53.com>
- **Customer Service** -- (877) 744-5300

BPS Debit Extended Data Fields

The image shows a Windows-style dialog box titled "Fifth-Third Bank-St Pete Debit Setup". It contains a "Setup Information" section with a "Terminal ID:" label and an empty text box. Below that is a "Cardholder-Activated Terminal Type" section with two radio buttons: "Non-Terminal" (selected) and "Automated Dispensing". To the right of the dialog are "OK" and "Cancel" buttons.

Setup Information

Terminal ID: -- (Default Value = Empty) (3-digits) -- Allows you to enter your Terminal Identification Number.

Cardholder Activated Terminal Type

These options primarily apply to applications that are integrated with **PCCharge**. Most users should leave the default option checked (**Non-Terminal**). This section is not accessible unless **Retail** is selected as a **Business Type** for your BPS credit account.

Non-Terminal: -- (Default Value = Selected) -- Select this option if your account is not set up as a self-service terminal.

Terminal ID: -- (Default Value = Unselected) -- Select this option if your account is set up as a self-service terminal.

Global Payments - East (NDC) Debit

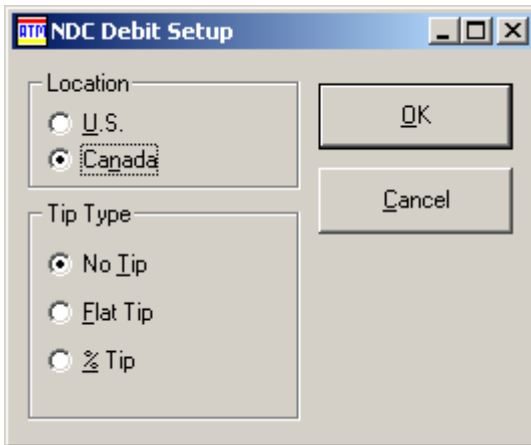
NDC Debit Notes

- NDC debit accounts support MAC key management.
- **PCCharge** can connect to NDC debit via a dial-up modem connection or an Internet connection. **PCCharge** will connect to NDC debit via the communications method you've specified for NDC credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the NDC gateway.

NDC Debit Contact Information

- **WWW** -- <http://www.globalpaymentsinc.com>
- **Customer Service** -- (800) 367-2638

NDC Debit Extended Data Fields



Location

U.S. -- (Default = Unselected) -- Select this option if NDC has set up your account to process transactions from a location in the United States.

Canada -- (Default = Selected) -- Select this option if NDC has set up your account to process transactions from a location in Canada.

Tip Type

No Tip -- (Default = Selected) -- Select this option if you do not want to allow the customer to enter a tip amount into the PIN pad at the time of the sale.

Flat Tip -- (Default = Unselected) -- Select this option if you want to allow the customer to enter a tip amount into the PIN pad at the time of the sale.

% Tip -- (Default = Unselected) -- If you select this option, a field will appear. If you enter a percentage into this field, the PIN pad will suggest this percent of the transaction as the tip amount at the time of the sale.

Allow Duplicate Transactions -- (Default = Unchecked) -- This option is a safety feature. When checked, only one transaction for a certain amount can be processed on a particular debit card number per day. This does not mean that you can't process other transactions. It just prevents accidental duplicate transactions.

Heartland (HPTS) Debit

HPTS Debit Notes

- HPTS debit accounts support DUKPT key management.
- PCCharge can connect to HPTS debit via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

HPTS Debit Contact Information

- **WWW** -- <http://www.heartlandpaymentsystems.com>
- **Customer Service** -- (888) 963-3600

HPTS Debit Extended Data Fields

HPTS Debit Extended Data Fields

Merchant Information

BIN:

ABA #:

Settlement Agent #:

Sharing Group:

Reimbursement Attr:

OK

Cancel

Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

NOVA (NOVA) Debit

NOVA Debit Notes

- NOVA debit accounts support Master Session key management.
- **PCCharge** can connect to NOVA debit via a dial-up modem connection or an Internet connection. **PCCharge** will connect to NOVA debit via the communications method you've specified for NOVA credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 8100 for outgoing and incoming data. This is the TCP/IP port used by the NOVA gateway.

NOVA Contact Information

- **WWW** -- <http://www.novainfo.com>
- **Customer Service** -- (800) 725-1243

NOVA Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

NPC (NPC) Debit

NPC Debit Notes

- NPC debit accounts support DUKPT key management.
- **PCCharge** can connect to NPC debit via a dial-up modem connection or an Internet connection. **PCCharge** will connect to NPC debit via the communications method you've specified for NPC credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the NPC gateway.

NPC Debit Contact Information

- **WWW** -- <http://www.npc.net>
- **Customer Service** -- (800) 928-2583

NPC Debit Extended Data Fields

The screenshot shows a dialog box titled "NPC Debit Extended Data Fields". It contains a section labeled "Merchant Information" with the following fields:

- BIN:** A text input field.
- ABA #:** A text input field.
- Settlement Agent #:** A text input field.
- Sharing Group:** A text input field.
- Reimbursement Attr:** A checkbox.

On the right side of the dialog, there are two buttons: "OK" and "Cancel".

Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

Paymentech (GSAR) Debit

GSAR Debit Notes

- GSAR debit accounts support DUKPT key management.
- **PCCharge** can connect to GSAR debit via a dial-up modem connection or an Internet connection. **PCCharge** will connect to GSAR debit via the communications method you've specified for GSAR credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the GSAR gateway.

GSAR Debit Contact Information

- **WWW** -- <http://www.paymentech.com>
- **Customer Service** -- (800) 254-9556

GSAR Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

RBS Lynk Systems, Inc. (LYNK) Debit

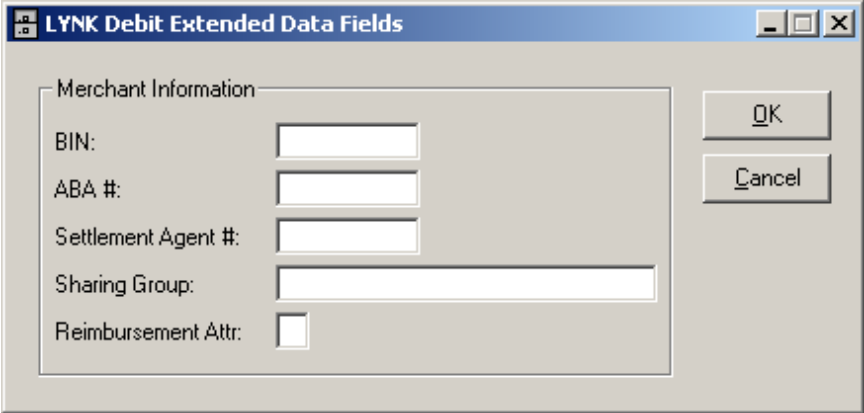
LYNK Debit Notes

- LYNK debit accounts support DUKPT key management.
- PCCharge can connect to LYNK debit via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

LYNK Debit Contact Information

- **WWW** -- <http://www.lynksystems.com>
- **Customer Service** -- (800) 859-5965

LYNK Debit Extended Data Fields



The screenshot shows a dialog box titled "LYNK Debit Extended Data Fields". Inside the dialog, there is a section labeled "Merchant Information" which contains the following fields:

- BIN:** A text input field.
- ABA #:** A text input field.
- Settlement Agent #:** A text input field.
- Sharing Group:** A text input field.
- Reimbursement Attr:** A checkbox.

To the right of the "Merchant Information" section are two buttons: "OK" and "Cancel".

Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

Royal Bank of Canada (RBOC) Debit

RBOC Debit Notes

- Unlike other debit card processing companies in **PCCharge**, RBOC debit processing does not need to be set up via the **Debit Card Setup** window. Instead, put a check in the box labeled **Accept Debit Cards** (in the **RBOC Extended Data Fields** window, see page 101) to turn on this ability.
- RBOC debit accounts support MAC key management.
- **PCCharge** can connect to RBOC debit via a dial-up modem connection
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

RBOC Debit Contact Information

- **WWW** -- <http://www.royalbank.com>
- **Customer Service** -- (800) 268-8644

RBOC Debit Extended Data Fields

No extended account information is required for accounts set up with this debit card processing company.

Vital (VISA) Debit

VISA Debit Notes

- VISA debit accounts support DUKPT key management.
- **PCCharge** can connect to VISA debit via a dial-up modem connection or an Internet connection. **PCCharge** will connect to VISA debit via the communications method you've specified for VISA credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the VISA gateway.

VISA Debit Contact Information

- **WWW** -- <http://www.visa.com>
- **Customer Service** -- (800) 552-8227

VISA Debit Extended Data Fields

The screenshot shows a dialog box titled "VisaNet Debit Extended Data Fields". Inside the dialog, there is a section labeled "Merchant Information" which contains the following fields:

- BIN:** A text input field.
- ABA #:** A text input field.
- Settlement Agent #:** A text input field.
- Sharing Group:** A text input field.
- Reimbursement Attr:** A checkbox.

On the right side of the dialog, there are two buttons: "OK" and "Cancel".

Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

Appendix C -- Check Services Companies

Your processing company/vendor/merchant service provider should have provided you with most of the information on each company's Extended Data Fields window. Check the documentation you received upon setting up your check services company merchant account.

Alliance Data Systems, Inc. (ADSI) Check

ADSI Check Notes

- PCCharge can connect to ADSI via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

ADSI Check Contact Information

- **WWW** -- <http://www.alliancedatasystems.com>
- **Customer Service** -- (972) 348-5100

ADSI Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

ArJay/SCAN Data Corporation (ARJ) Check

ARJ Check Notes

- PCCharge can connect to ARJ via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

ARJ Check Contact Information

- **WWW** -- <http://www.arjaydata.com>
- **Customer Service** -- (800) 296-0170

ARJ Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Certegy (EFAX) Check

EFAX Check Notes

- PCCharge can connect to EFAX via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

EFAX Check Contact Information

- **WWW** -- <http://www.certegy.com>
- **Customer Service** -- (800) 633-9454

EFAX Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Check Services powered by RMRS (EZCK) Check

EZCK Check Notes

- PCCharge can connect to EZCK via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
- This processor allows you to upload scanned check images (captured using either the RDM EC5002i or eN-Check 2600 check reader). After you've set up the extended data fields shown below, you can transmit check images using PCCharge. Consult the section **Upload Scanned Images** in your PCCharge User's Manual for instructions.

EZCK Check Contact Information

- **WWW** -- <http://www.ezchk.com>
- **Customer Service** -- (800) 797-5302

EZCK Check Extended Data Fields

Check Extended Data Fields

Truncate Checks

Check Truncation Setup

Merchant Id:

Bounce Fee:

Sales Count:

Sales Balance:

Voids Count:

Voids Balance:

Image Upload FTP Setup

Owner Code:

User Name:

Password:

FTP Address:

Connect via Dial Connect via TCP/IP

OK Cancel

Truncate Checks -- (Default = Unchecked) -- Allows you to turn on or off check truncation with EZCK.

Check Truncation Setup

Note: This information is not accessible unless **Truncate Checks** is checked.

Merchant ID -- Enter your Merchant ID for check processing.

Bounce Fee -- (Default = Empty) -- Allows you to enter the bounce fee for check processing.

Sales Count -- (Default = Empty) -- Shows the number of sales in a given period.

Sales Balance -- (Default = Empty) -- Shows the total monetary value of sales.

Voids Count -- (Default = Empty) -- Shows the number of voids in a given period.

Voids Balance -- (Default = Empty) -- Shows the total monetary value of voids.

Image Upload FTP Setup

Owner Code -- (Default = Empty) -- Enter your 16-digit identifier into this field. EZCK or your merchant service provider will assign this code to you.

FTP User -- (Default = Empty) -- Enter your FTP user name into this field. This user name (in combination with the password) will allow **PCCharge** to transmit check images to EZCK. EZCK or your merchant service provider will assign this number to you.

FTP Password -- (Default = Empty) -- Enter your FTP password into this field. This password (in combination with the user name) will allow **PCCharge** to transmit check images to EZCK. EZCK or your merchant service provider will assign this number to you.

FTP Address -- (Default = 204.134.12.112) -- Enter the FTP address provided to you by EZCK or your merchant service provider.

Connect via Dial -- (Default = Unselected) -- Select this option if you want to connect to EZCK via a dial-up connection.

Connect via TCP/IP -- (Default = Selected) -- Enter the FTP address provided to you by EZCK or your merchant service provider.

Concord Check Services (CCRD) Check

CCRD Check Notes

- **PCCharge** can connect to CCRD via a dial-up modem connection or an Internet connection. **PCCharge** will connect to CCRD check via the communications method you've specified for CCRD credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the CCRD gateway.

CCRD Check Contact Information

- **WWW** -- <http://www.concordefs.com>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

CCRD Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

CrossCheck (CRCK) Check

CRCK Check Notes

- PCCharge can connect to CRCK via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

CRCK Check Contact Information

- **WWW** -- <http://www.cross-check.com>
- **Customer Service** -- (800) 552-1900

CRCK Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

FDMS North / CardNet (CES) Check

CES Check Notes

- **PCCharge** can connect to CES via a dial-up modem connection or an Internet connection. **PCCharge** will connect to CES check via the communications method you've specified for CES credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the CES gateway.

CES Check Contact Information

- **WWW** -- <http://www.fdns.com>
- **Customer Service** -- (800) 346-3315

CES Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

National Check Network (RMRS) Check

RMRS Check Notes

- PCCharge can connect to RMRS via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
- This processor allows you to upload scanned check images (captured using either the RDM EC5002i or eN-Check 2600 check reader). After you've set up the extended data fields shown below, you can transmit check images using PCCharge. Consult the section **Upload Scanned Images** in your PCCharge User's Manual for instructions.

RMRS Check Contact Information

- **WWW** -- <http://www.rmrs.com>
- **Customer Service** -- (800) 280-7677

RMRS Check Extended Data Fields

Rocky Mountain Extended Data Fields

Truncate Checks

Check Truncation Setup

Merchant Id:

Bounce Fee:

Sales Count:

Sales Balance:

Voids Count:

Voids Balance:

Image Upload FTP Setup

Owner Code:

User Name:

Password:

FTP Address:

Connect via Dial Connect via TCP/IP

OK

Cancel

Truncate Checks -- (Default = Unchecked) -- Allows you to turn on or off check truncation with RMRS.

Check Truncation Setup

Merchant ID -- Enter your Merchant ID for check processing.

Bounce Fee -- (Default = \$25.00) -- Allows you to enter the bounce fee for check processing.

Sales Count -- (Default = 0) -- Shows the number of sales in a given period.

Sales Balance -- (Default = \$0.00) -- Shows the total monetary value of sales.

Voids Count -- (Default = 0) -- Shows the number of voids in a given period.

Voids Balance -- (Default = \$0.00) -- Shows the total monetary value of voids in a given period.

Image Upload FTP Setup

Owner Code -- (Default = Empty) -- Enter your 16-digit identifier into this field. RMRS or your merchant service provider will assign this code to you.

FTP User -- (Default = Empty) -- Enter your FTP user name into this field. This user name (in combination with the password) will allow **PCCharge** to transmit check images to RMRS. RMRS or your merchant service provider will assign this number to you.

FTP Password -- (Default = Empty) -- Enter your FTP password into this field. This password (in combination with the user name) will allow **PCCharge** to transmit check images to RMRS. RMRS or your merchant service provider will assign this number to you.

FTP Address -- (Default = 204.134.12.112) -- Enter the FTP address provided to you by RMRS or your merchant service provider.

Connect via Dial -- (Default = Unselected) -- Select this option if you want to connect to RMRS via a dial-up connection.

Connect via TCP/IP -- (Default = Selected) -- Enter the FTP address provided to you by RMRS or your merchant service provider.

Nova Check Services (NOVA) Check

NOVA Check Notes

- **PCCharge** can connect to NOVA via a dial-up modem connection or an Internet connection. **PCCharge** will connect to NOVA check via the communications method you've specified for NOVA credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the NOVA gateway.

NOVA Check Contact Information

- **WWW** -- <http://www.novainfo.com>
- **Customer Service** -- (800) 725-1243

NOVA Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Paymentech Check Services (GSAR) Check

GSAR Check Notes

- **PCCharge** can connect to GSAR via a dial-up modem connection or a TCP/IP (Internet) connection. **PCCharge** will connect to GSAR check via the communications method you've specified for GSAR credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the GSAR gateway.

GSAR Check Contact Information

- **WWW** -- <http://www.paymentech.com>
- **Customer Service** -- (800) 254-9556

GSAR Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Secure Payment Systems (SPS) Check

SPS Check Notes

- PCCharge can connect to SPS via a dial-up modem connection or a TCP/IP (Internet) connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the SPS gateway.
- This processor allows you to upload scanned check images (captured using either the RDM EC5002i or eN-Check 2600 check reader). After you've set up the extended data fields shown below, you can transmit check images using PCCharge. Consult the section **Upload Check Images** in your PCCharge User's Manual for instructions.

SPS Check Contact Information

- **WWW** -- <http://www.securepaymentsystems.com>
- **Customer Service** -- (888) 243-5249

SPS Check Extended Data Fields

SPS Extended Data Fields

Guarantee Checks

DL Required Limit:

Check Truncation Data

Sales Count:

Sales Balance:

Voids Count:

Voids Balance:

Image Upload FTP Setup

Owner Code:

User Name:

Password:

FTP Address:

Connect via Dial Connect via TCP/IP

OK

Cancel

Advanced

Guarantee Checks -- (Default = Unchecked) -- Allows you to turn on or off check guarantee with SPS.

DL Required Limit -- (Default = \$0.00) -- This is an amount agreed upon by you and SPS. If a dollar amount for an SPS transaction is less than this amount, **PCCharge** will not require the customer's driver's license number, state code, or date of birth. If the dollar amount is greater, that verification information must be specified.

Check Truncation Data

Sales Count -- (Default = 0) -- Shows the number of sales in a given period.

Sales Balance -- (Default = \$0.00) -- Shows the total monetary value of sales.

Voids Count -- (Default = 0) -- Shows the number of voids in a given period.

Voids Balance -- (Default = \$0.00) -- Shows the total monetary value of voids in a given period.

Image Upload FTP Setup

Owner Code -- (Default = Empty) -- Enter your 16-digit identifier into this field. SPS or your merchant service provider will assign this code to you.

FTP User -- (Default = Empty) -- Enter your FTP user name into this field. This user name (in combination with the password) will allow **PCCharge** to transmit check images to SPS. RDM or your merchant service provider will assign this number to you.

FTP Password -- (Default = Empty) -- Enter your FTP password into this field. This password (in combination with the user name) will allow **PCCharge** to transmit check images to SPS. SPS or your merchant service provider will assign this number to you.

FTP Address -- (Default = Empty) -- Enter the FTP address provided to you by SPS or your merchant service provider.

Connect via Dial -- (Default = Unselected) -- Select this option if you want to connect to SPS via a dial-up connection.

Connect via TCP/IP -- (Default = Selected) -- Enter the FTP address provided to you by SPS or your merchant service provider.

Advanced

Click this button to access the **Secure Payment Systems Advanced Options** window.

Secure Payment Systems (SPS) Advanced Options

Secure Payment Systems Advanced Options

Communications

Use Dial-up Modem

Use TCP/IP

OK

Cancel

TCP/IP System Information

Primary Authorization Address:

Port:

Dial Backup

Use Dial-Up Modem for Backup

Internet Authorization Timeout Value (seconds)

Communication

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to SPS using your modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the SPS gateway to process transactions via TCP/IP.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the SPS gateway. This information will be provided to you by SPS. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = Empty) -- This information will be provided to you by SPS. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

TeleCheck International (TECK) Check

TECK Check Notes

- PCCharge can connect to TECK via a dial-up modem connection or a TCP/IP (Internet) connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).

TECK Check Contact Information

- **WWW** -- <http://www.telecheck.com>
- **Customer Service** -- (800) 366-5010

TECK Check Extended Data Fields

No extended account information is required for accounts set up with this check services company.

Appendix D -- EBT Card Processing Companies

Your processing company/vendor/merchant service provider should have provided you with most of the information on each company's **Extended Data Fields** window. Check the documentation you received upon setting up your EBT processing company merchant account.

Alliance Data Systems, Inc. (ADSI) EBT

ADSI EBT Notes

- PCCharge can connect to ADSI via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

ADSI EBT Contact Information

- **WWW** -- <http://www.alliancedatasystems.com>
- **Customer Service** -- (972) 348-5100

ADSI EBT Extended Data Fields

No extended account information is required for accounts set up with this EBT card processing company.

Bypass, Inc. (BPAS) EBT

BPAS EBT Notes

- PCCharge can connect to BPAS via a dial-up modem connection or an Internet connection. PCCharge will connect to BPAS EBT via the communications method you've specified for BPAS credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- Because the Internet connection to BPAS is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your BPAS account. This will install the XML parser needed to communicate with BPAS.
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the BPAS gateway.

BPAS EBT Contact Information

- **WWW** -- <http://www.concordefsnets.com>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

BPAS EBT Extended Data Fields

No extended account information is required for accounts set up with this EBT card processing company.

Concord EFS (CCRD) EBT

CCRD EBT Notes

- PCCharge can connect to CCRD via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

CCRD EBT Contact Information

- **WWW** -- <http://www.concordefns.com>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

CCRD EBT Extended Data Fields

No extended account information is required for accounts set up with this EBT card processing company.

Fifth-Third Bank-St. Pete (BPS) EBT

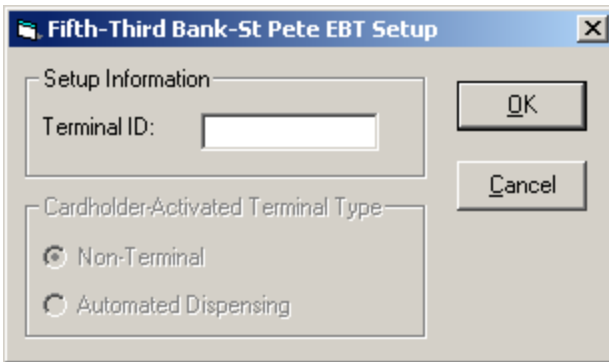
BPS EBT Notes

- PCCharge can connect to BPS via a dial-up modem connection or an Internet connection. PCCharge will connect to BPS EBT via the communications method you've specified for BPS credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the BPS gateway.
- The **Terminal IDs** for your BPS debit, EBT, and gift accounts can all be the same number. However, the **Terminal ID** for your BPS credit account must be a different number (if your BPS credit **Terminal Type** is set to **Terminal Capture**). If your BPS credit **Terminal Type** is set to **Host Capture**, you can use the same **Terminal ID** for all your BPS accounts.

BPS EBT Contact Information

- **WWW** -- <http://www.53.com>
- **Customer Service** -- (877) 744-5300

BPS EBT Extended Data Fields



Setup Information

Terminal ID: -- (Default Value = Empty) (3-digits) -- Allows you to enter your Terminal Identification Number.

Cardholder Activated Terminal Type

Not implemented.

NPC (NPC) EBT

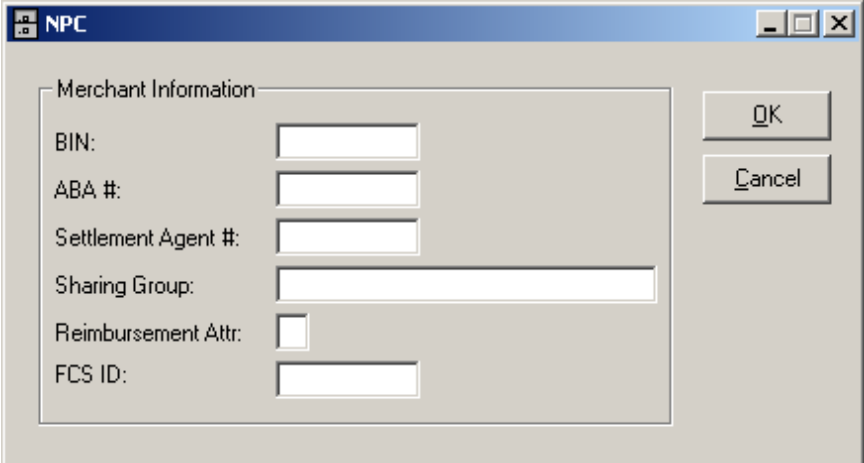
NPC EBT Notes

- PCCharge can connect to NPC EBT via a dial-up modem connection or an Internet connection. PCCharge will connect to NPC EBT via the communications method you've specified for NPC credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the NPC gateway.

NPC EBT Contact Information

- **WWW** -- <http://www.npc.net>
- **Customer Service** -- (800) 928-2583

NPC EBT Extended Data Fields



The screenshot shows a dialog box titled "NPC" with a "Merchant Information" section. The fields are:

- BIN: [text input field]
- ABA #: [text input field]
- Settlement Agent #: [text input field]
- Sharing Group: [text input field]
- Reimbursement Attr: [checkbox]
- FCS ID: [text input field]

Buttons: OK, Cancel

Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

FCS ID: -- Enter your FCS ID in this field.

Paymentech (GSAR) EBT

GSAR EBT Notes

- **PCCharge** can connect to GSAR via a dial-up modem connection or an Internet connection. **PCCharge** will connect to GSAR EBT via the communications method you've specified for GSAR credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the GSAR gateway.

GSAR EBT Contact Information

- **WWW** -- <http://www.paymentech.com>
- **Customer Service** -- (800) 254-9556

GSAR EBT Extended Data Fields

No extended account information is required for accounts set up with this EBT card processing company.

Vital (VISA) EBT

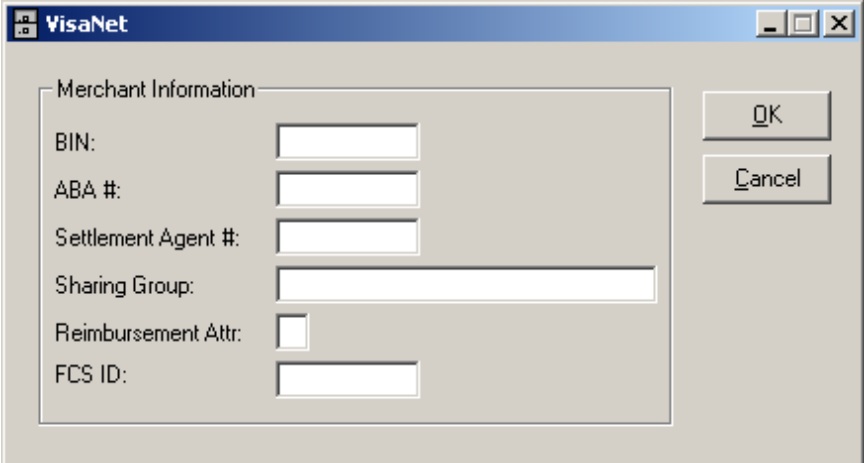
VISA EBT Notes

- PCCharge can connect to VISA via a dial-up modem connection or an Internet connection. PCCharge will connect to VISA EBT via the communications method you've specified for VISA credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 5003 for outgoing and incoming data. This is the TCP/IP port used by the VISA gateway.

VISA EBT Contact Information

- **WWW** -- <http://www.visa.com>
- **Customer Service** -- (800) 552-8227

VISA EBT Extended Data Fields



The image shows a screenshot of a Windows-style dialog box titled "VisaNet". The dialog box has a title bar with standard minimize, maximize, and close buttons. The main content area is titled "Merchant Information" and contains several input fields: "BIN:" with a text box, "ABA #:" with a text box, "Settlement Agent #:" with a text box, "Sharing Group:" with a wide text box, "Reimbursement Attr:" with a checkbox, and "FCS ID:" with a text box. To the right of the input fields are two buttons: "OK" and "Cancel".

Merchant Information

BIN: -- Enter your BIN in this field.

ABA #: -- Enter your ABA # in this field.

Settlement Agent #: -- Enter your Settlement Agent # in this field.

Sharing Group: -- Enter your Sharing Group in this field.

Reimbursement Attr: -- Enter your Reimbursement Attr. in this field.

FCS ID: -- Enter your FCS ID in this field.

Appendix E -- Gift Card Processing Companies

Your processing company/vendor/merchant service provider should have provided you with most of the information on each company's **Extended Data Fields** window. Check the documentation you received upon setting up your gift card processing company merchant account.

Bypass, Inc. (BPAS) Gift

BPAS Gift Notes

- PCCharge can connect to BPAS gift via a dial-up modem connection, lease line connection, or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- Because the Internet connection to BPAS is XML-based, it is necessary to install Microsoft's Internet Explorer version 6 or higher prior to setting up your BPAS account. This will install the XML parser needed to communicate with BPAS.
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the BPAS gateway.

BPAS Gift Contact Information

- **WWW** -- <http://www.concordefsnets.com>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

BPAS Gift Extended Data Fields

The screenshot shows a Windows-style dialog box titled "BUYPASS Giftcard Connection Setup". It is divided into three main sections:

- Communications:** Contains five radio button options: "Use Dial-up Modem", "Use TCP/IP" (which is selected), "Use TCP/IP Lease Line", and "Use TCP/IP Pass Through". To the right of this section are "OK" and "Cancel" buttons.
- Network System Information:** Contains a "System Address" text box with the value "https://efsnets.concordebiz.com/efsnets.dll" and a "Verify Connection" button. Below this are empty text boxes for "Store ID:" and "Store Key:".
- Dial Backup:** Contains a checkbox for "Use Dial-Up Modem for Backup" (which is unchecked). Below this are two text boxes: one for "Internet Authorization Timeout Value (seconds)" with the value "60", and another for "Internet Settlement Timeout Value/Batch (seconds)" with the value "240".

Communications

Use Dial-Up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to BPAS via dial-up modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to BPAS via the Internet.

Use TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to BPAS via a lease line connection.

Use TCP/IP Pass Through -- (Default = Unselected) -- Select this option if your account is set up to connect to BPAS via the Internet. The difference between **TCP/IP** and **TCP/IP Pass Through** is as follows:

- If you select **TCP/IP**, EFSNet will parse the message from **PCCharge** before passing it to BPAS.
- If you select **TCP/IP Pass Through**, **PCCharge** will parse the message before passing it to EFSNet. EFSNet will then transfer the message to BPAS. **Pass Through** uses the BPAS dial format and wraps it in XML.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** or **Use TCP/IP Pass Through** is enabled.

- **System Address** -- (Default = As Shown) -- This is the address of BPAS's gateway. Do not change this setting unless directed by a Technical Support Representative.
- **Store ID** -- (Default = Empty) -- BPAS or your merchant service provider will make this information available to you.
- **Store Key** -- (Default = Empty) -- BPAS or your merchant service provider will make this information available to you.
- **Verify Connection** -- After completely filling out this window, make sure your Internet connection is enabled and click this button. If a connection is successfully established with BPAS, a pop-up window will appear giving you a **ResponseCode** of 0, a **ResultCode** of 00, and a **Result** of ONLINE. If you get a response of **ConnErr**, please check the **Internet Authorization Timeout Value**. The default is 60.

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

- **System Address** -- This is the address of the BPAS gift gateway. Do not alter this value unless directed by a Technical Support Representative.
- **System Port** -- This is the system port of the BPAS gift gateway. Do not alter this value unless directed by a Technical Support Representative.

Merchant Information

Note: This information is not accessible unless **Use Dial-up Modem**, **Use TCP/IP Lease Line**, or **Use TCP/IP Pass Through** is enabled.

Sequence Number: -- (Default = 000000) (6-digits) -- The sequence number is the number of the last transaction performed in the open batch.

Currency Code: -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Device Number: -- (Default = 001) (3-digits) -- The device number is a 3-digit value assigned by BPAS.

Device Type: -- (Default = 5S) (2 characters) -- The device type is a 2-digit value assigned by BPAS.

State Code -- (Default = 13) (2-digits) -- Allows you to enter the State Code that identifies your state.

Dial Backup

Not implemented.

BPAS Gift Transaction Types

The availability of BPAS transaction types depends on the communications type selected.

- **Activate** -- This transaction type activates an inactive card.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Credit** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card **Credit** transaction.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount \$:** field to close the account.
- **Pre-Auth** -- This transaction type places the amount you specify "on hold" for a potential transfer of funds. The funds won't be transferred unless a Post-Auth is performed using the Pre-Auth's validation code. Depending on your processing company, there may be a time limit on a Pre-Auth's usability. Typically, if a completion is not performed within that time limit, the amount is taken "off hold" and is once again available to the cardholder. The processor determines the time limit, which is usually 7-10 days. You should contact your merchant service provider/credit card processing company for the exact time.
- **Post-Auth** -- This transaction type "completes" an approved Pre-Auth transaction and initiates the transfer of the specified amount from the customer's account to your account. Your Post-Auth may be for the exact Pre-Auth amount or an amount less than the Pre-Auth amount, but may not be greater than the original Pre-Auth amount.

- **Purchase** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Recharge** -- This transaction type is used to increase the cardholder's account balance by a specified amount. Note that some cards cannot be recharged. For those cards, the Credit transaction type may be used. This transaction type is conceptually similar to a credit card Credit transaction.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.

Concord / EFS (CCRD) Gift

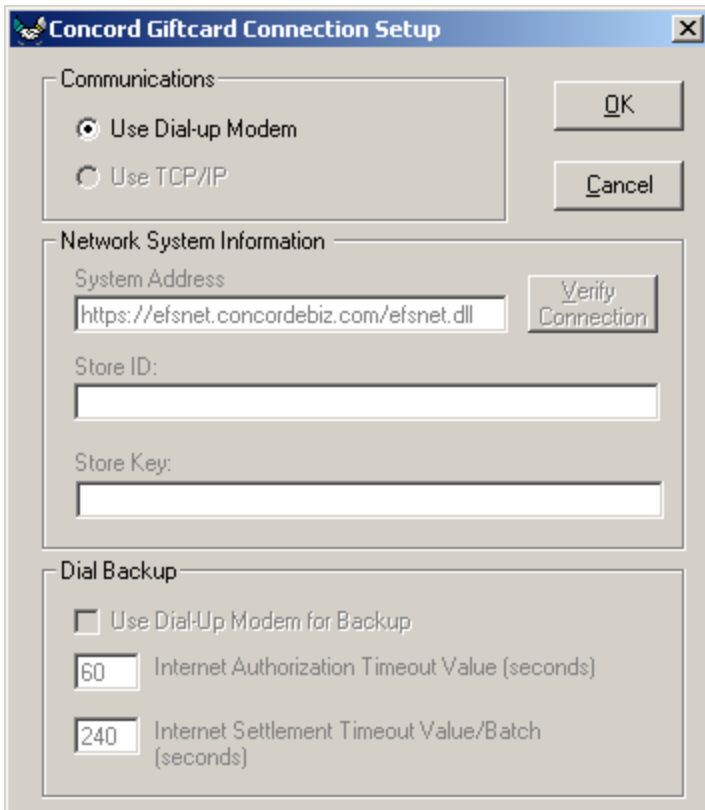
CCRD Gift Notes

- PCCharge can connect to CCRD via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

CCRD Gift Contact Information

- **WWW** -- <http://www.concordefsn.net>
- **Customer Service** -- (800) 733-3322, (800) 238-7675

CCRD Gift Extended Data Fields



The image shows a screenshot of a Windows dialog box titled "Concord Giftcard Connection Setup". The dialog box is divided into three main sections: "Communications", "Network System Information", and "Dial Backup".

- Communications:** This section contains two radio buttons. The first is "Use Dial-up Modem", which is selected. The second is "Use TCP/IP". To the right of these buttons are "OK" and "Cancel" buttons.
- Network System Information:** This section contains a text box for "System Address" with the value "https://efsnet.concordebiz.com/efsnet.dll". To the right of this text box is a "Verify Connection" button. Below the System Address text box are two empty text boxes labeled "Store ID:" and "Store Key:".
- Dial Backup:** This section contains a checkbox labeled "Use Dial-Up Modem for Backup", which is unchecked. Below this checkbox are two text boxes with numerical values: "60" for "Internet Authorization Timeout Value (seconds)" and "240" for "Internet Settlement Timeout Value/Batch (seconds)".

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to CCRD using your modem.

Use TCP/IP -- (Default = Unselected) -- Not implemented.

Network System Information

Not implemented.

Dial Backup

Not implemented.

CCRD Gift Transaction Types

- **Activate/Recharge** -- This transaction type activates an inactive card. Gift card accounts sold to your customer with an existing value need have to have their accounts activated at the time of purchase. If a card has been activated, this transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount \$:** field to close the account.
- **Purchase** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Pre-Auth** -- This transaction type places the amount you specify "on hold" for a potential transfer of funds. The funds won't be transferred unless a Completion is performed using the Pre-Auth's validation code. Depending on your processing company, there may be a time limit on a Pre-Auth's usability. Typically, if a completion is not performed within that time limit, the amount is taken "off hold" and is once again available to the cardholder. The processor determines the time limit, which is usually 7-10 days. You should contact your merchant service provider/credit card processing company for the exact time.
- **Completion** -- This transaction type "completes" an approved Pre-Auth transaction and initiates the transfer of the specified amount from the customer's account to your account. Your Completion may be for the exact Pre-Auth amount or an amount less than the Pre-Auth amount, but may not be greater than the original Pre-Auth amount.
- **Totals** -- Gives information on the transactions performed that day OR transactions performed by a specified cashier.

Datamark (DMRK) Gift

DMRK Gift Notes

- PCCharge can connect to DMRK via a dial-up modem connection or an Internet connection. PCCharge will connect to DMRK Gift via the communications method you've specified for DMRK credit.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the DMRK gateway.

DMRK Gift Contact Information

- **WWW** -- <http://www.datamarktech.com>
- **Customer Service** -- (609) 580-3533

DMRK Gift Extended Data Fields

DMRK Gift Card Extended Setup

Account Information

Client Number: 0001

Sequence Number:

Batch Number: 000001

Require Clerk ID

OK

Cancel

Advanced

Account Information

Client Number -- (Default Value = Empty) (4-digits) -- Allows you to enter your DMRK account's client number.

Sequence Number -- (Default Value = Empty) (3-digits) -- Allows you to enter your DMRK account's sequence number.

Batch Number -- Not implemented.

Require Clerk ID -- (Default = Unchecked) -- If you check this box, your employee must enter an identification code in order to process a transaction using this account.

Advanced

Click this button to access the **Datamark Advanced Options** window.

Datamark (DMRK) Advanced Options

DataMark Advanced Options

Communications

- Use Dial-up Modem
- Use TCP/IP Lease Line
- Use TCP/IP
- Use TCP/IP Pass Through

TCP/IP System Information

Primary Authorization Address: Port:

User Name:

Password:

Dial Backup

- Use Dial-Up Modem for Backup
- Internet Authorization Timeout Value (seconds)

OK Cancel

Communication

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to DMRK using your modem.

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the DMRK gateway to process transactions via TCP/IP.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the DMRK gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = As Shown) -- Do not alter this value unless directed by a Technical Support Representative.

User Name: -- (Default = Empty) -- This information will be provided to you by DMRK (if they require it for your account).

Password: -- (Default = Empty) -- This information will be provided to you by DMRK (if they require it for your account).

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

DMRK Gift Transaction Types

- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
 - **Partial?** -- Checking this box allows you to give your customer the option to use all or part of his gift card balance to make a partial payment. Example: The customer wants to purchase a \$100 item but only has \$25 in his gift card account. If you enter \$100 into this window and check the **Partial?** box, PCCharge will prompt you to enter the partial payment amount (\$25). The remaining amount would need to be made through other means.
- **Issuance/Add Value** -- This transaction type performs two basic functions:
 1. If a card has not yet been activated, this transaction type is used to activate a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
 2. If a card has been activated, this transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.

- **Void** -- This transaction type cancels an existing gift card transaction. You specify which by entering the **Auth Code** of the original transaction. The **Auth Code** can be found in the **Gift Card** report (consult the section **Reports** in your **PCCharge** User's Manual for more information). This transaction type is conceptually similar to a credit card **Void** transaction. **Note:** A DMRK gift card Void transaction can be performed on an existing Issuance/Add Value or Redemption transaction, but cannot be performed on a Prior Issuance/Add Value or Prior Redemption transaction.
- **Balance Inquiry** -- This transaction type looks up a gift card account and returns the balance.
- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount \$:** field to close the account.

Fifth-Third Bank-St. Pete (BPS) Gift

BPS Gift Notes

- PCCharge can connect to BPS via a dial-up modem connection, an Internet connection, or a lease line connection..
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the BPS gateway.
- The **Terminal IDs** for your BPS debit, EBT, and gift accounts can all be the same number. However, the **Terminal ID** for your BPS credit account must be a different number (if your BPS credit **Terminal Type** is set to **Terminal Capture**). If your BPS credit **Terminal Type** is set to **Host Capture**, you can use the same **Terminal ID** for all your BPS accounts.

BPS Gift Contact Information

- **WWW** -- <http://www.53.com>
- **Customer Service** -- (877) 744-5300

BPS Gift Extended Data Fields

Fifth-Third Bank-St Pete Gift Information

Merchant Information

Bank ID:

Terminal ID:

Processing Information

Retrieval Reference #:

Pre-Auth Information

PreAuth Expiration:

OK

Cancel

Advanced..

Merchant Information

Bank ID -- (Default Value = Empty) (4-digits) -- Allows you to enter your Bank Identification Number.

Terminal ID -- (Default Value = Empty) (3-digits) -- Allows you to enter your Terminal Identification Number.

Processing Information

Retrieval Reference #: -- (Default Value = Empty) -- Do not alter the contents of this field unless directed by your merchant service provider or a Technical Support Representative.

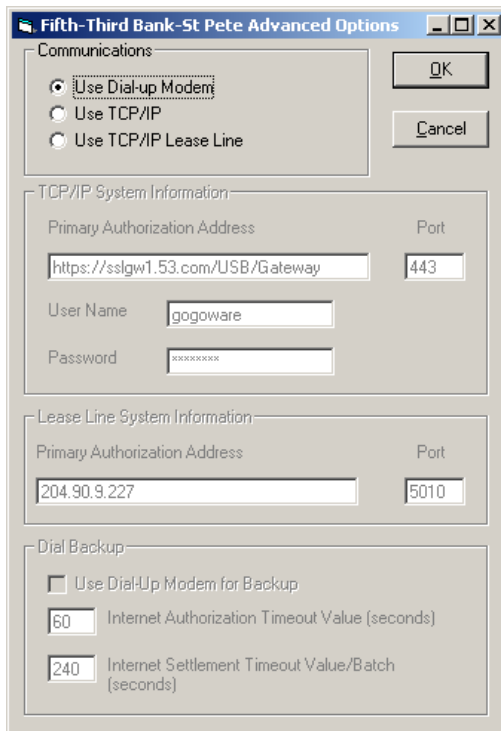
Pre-Auth Information

PreAuth Expiration: -- (Default Value = 1440) -- This is number of seconds that a Pre-Auth transaction will remain active before it is automatically reversed by BPS. **Note:** This is currently not supported by BPS.

Advanced

Click this button to access the **Fifth-Third Bank-St. Pete Advanced Options** window.

Fifth-Third Bank-St. Pete (BPS) Advanced Options



Fifth-Third Bank-St. Pete Advanced Options

Communications

Use Dial-up Modem

Use TCP/IP

Use TCP/IP Lease Line

OK

Cancel

TCP/IP System Information

Primary Authorization Address: https://sslgw1.53.com/USB/Gateway

Port: 443

User Name: gogoware

Password: *****

Lease Line System Information

Primary Authorization Address: 204.90.9.227

Port: 5010

Dial Backup

Use DialUp Modem for Backup

60 Internet Authorization Timeout Value (seconds)

240 Internet Settlement Timeout Value/Batch (seconds)

Communication

Use Dial-up Modem -- (Default = Unselected) -- Select this option if your account is set up to connect to BPS using your modem.

Use TCP/IP -- (Default = Selected) -- Select this option if your account is set up to connect to the BPS gateway to process transactions via TCP/IP.

Use TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to the BPS gateway to process transactions via TCP/IP lease line.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the BPS gateway. This information will be provided to you by BPS. Do not alter this value unless directed by a Technical Support Representative.

System Port -- (Default = Empty) -- This information will be provided to you by BPS. Do not alter this value unless directed by a Technical Support Representative.

User Name: -- (Default = Empty) -- This information will be provided to you by BPS.

Password: -- (Default = Empty) -- This information will be provided to you by BPS.

Lease Line System Information

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Primary Authorization Address -- (Default = As Shown) -- This is the BPS gateway. This information will be provided to you by BPS. Do not alter this value unless directed by a Technical Support Representative.

Port -- (Default = As Shown) -- This information will be supplied to you by BPS. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want PCCharge to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

BPS Gift Transaction Types

- **Activate** -- This transaction type activates an inactive card. Gift card accounts sold to your customer with an existing value need have to have their accounts activated at the time of purchase. If a card has been activated, this transaction type is used to increase the cardholder's account balance by a specified amount.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Close** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the **Amount \$:** field to close the account.
- **Pre-Auth** -- This transaction type places the amount you specify "on hold" for a potential transfer of funds. The funds won't be transferred unless a Completion is performed using the Pre-Auth's validation code. Depending on your processing company, there may be a time limit on a Pre-Auth's usability. Typically, if a completion is not performed within that time limit, the amount is taken "off hold" and is once again available to the cardholder. The processor determines the time limit, which is usually 7-10 days. You should contact your merchant service provider/credit card processing company for the exact time.
- **Post-Auth** -- This transaction type "completes" an approved Pre-Auth transaction and initiates the transfer of the specified amount from the customer's account to your account. Your Post-Auth may be for the exact Pre-Auth amount or an amount less than the Pre-Auth amount, but may not be greater than the original Pre-Auth amount.
- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Reload** -- This transaction type is used to add funds to a cardholder's account. The difference between this transaction type and a Refund is that a Reload should be used when money needs to be added to a card but no actual exchange of goods or services is taking place.
- **Unload** -- This transaction type is used to withdraw funds from a gift account. The difference between an Unload and a Redemption is that an Unload should be used when money needs to be deducted from a gift account without an actual exchange of goods or services taking place.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.

Givex (GVEX) Gift

GVEX Gift Notes

- PCCharge can connect to GVEX via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the GVEX gateway.

GVEX Gift Contact Information

- **WWW** -- <http://www.givex.com>
- **Customer Service** -- (877) 478-7733

GVEX Gift Extended Data Fields

Givex Extended Data Fields

PIN:

Language Code:

OK

Cancel

Communications:

Use Dial-up Modem

Use TCP/IP

Points Program:

Use Points Tracking

Use Units

Network System Information:

System Address:

System Port:

Dial Backup:

Use Dial-Up Modem for Backup

Internet Authorization Timeout Value (seconds)

Merchant Information

PIN -- (10 alpha/numeric characters) -- Enter your PIN in this field.

Language Code -- (Default = 0) -- Enter your language code in this field.

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to Givex using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the Givex gateway to process transactions via TCP/IP.

Points Program

Use Points Tracking -- (Default = Unchecked) -- If this option is checked, **PCCharge** allows the user to process Givex points-based transactions.

Use Units -- (Default = Unchecked) -- If this option is unchecked, **PCCharge** will prompt the user for a dollar amount and the Givex number during a **Points** transaction. If this option is checked, **PCCharge** will prompt the user for a dollar amount, the Givex number, and the units during a **Points** transaction. **Note:** This option is not accessible unless the **Use Points Tracking** feature is activated.

Network System Information

System Address -- (This option is only accessible if **Use TCP/IP** is selected) -- This is the Givex gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port -- Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for a TCP/IP authorization. The backup dial-up modem is then used.

GVEX Gift Transaction Types

- **Activate** -- This transaction type activates an inactive card. Gift card accounts sold to your customer with an existing value need have to have their accounts activated at the time of purchase. Gift cards/certificates created using the Register transaction do not need to be activated.
- **Adjustment** -- This transaction type is used to adjust the balance of a cardholder's account. The transaction amount must be signed either negative (-) to indicate that the consumer's account should be decremented or positive (+) to indicate that the consumer's account should be incremented.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Cancel** -- This transaction type cancels the last transaction made by a gift card. This transaction must take place within 24 hours of that transaction. This transaction type is conceptually similar to a credit card Void transaction, but it is restricted to the previous transaction.
 - **Points?** -- Checking this box allows you to enter the authorization code for a **Issuance/Add Value** transaction if you've already received a voice authorization for that transaction. This is essentially the same concept as credit card voice auth transactions.
- **Increment** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Points** -- This transaction type allows you to perform a points-based transaction. **Note:** This transaction type is not accessible unless **Use Points Tracking** is enabled in the **Givex Extended Data Fields** window. Additionally, **Promo Code** in the **Points** window is not accessible unless **Use Units** is enabled in the **Givex Extended Data Fields** window.
- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
 - **Points?** -- Checking this box allows you to enter the authorization code for a **Issuance/Add Value** transaction if you've already received a voice authorization for that transaction. This is essentially the same concept as credit card voice auth transactions.
- **Register** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.

Mellennia (MELL) Gift

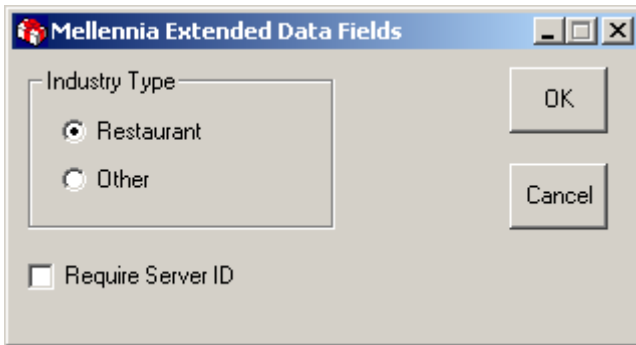
MELL Gift Notes

- PCCharge can connect to MELL via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

MELL Gift Contact Information

- **WWW** -- <http://www.mellennia.com>
- **Customer Service** -- (407) 370-4444

MELL Gift Extended Data Fields



Industry Type

Restaurant -- (Default = Selected) -- Select this option if MELL classifies your business as a restaurant.

Other -- (Default = Unselected) -- Select this option if MELL classifies your business as something other than a restaurant.

Require Server ID -- (Default = Unselected) -- By selecting this option, your employee would have to enter an identification code when entering the tip for a transaction. **Note:** This option is selectable only when the **Restaurant** option is selected.

Require Clerk ID -- (Default = Unselected) -- By selecting this option, your employee would have to enter an identification code when entering a transaction. **Note:** This option is selectable only when the **Other** option is selected.

MELL Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Cash Back** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount \$:** field to close the account.
- **Add Points** -- This transaction type increases the cardholder's points balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction, except that it is points-based, not funds-based.
- **Redeem Points** -- This transaction type reduces the cardholder's points balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction, except that it is points-based, not funds-based.
- **Tip** -- This action allows you to process a gratuity transaction for a previously existing Sale transaction. This transaction type is only available when if account's business type is set to restaurant.

Paymentech (GSAR) Gift

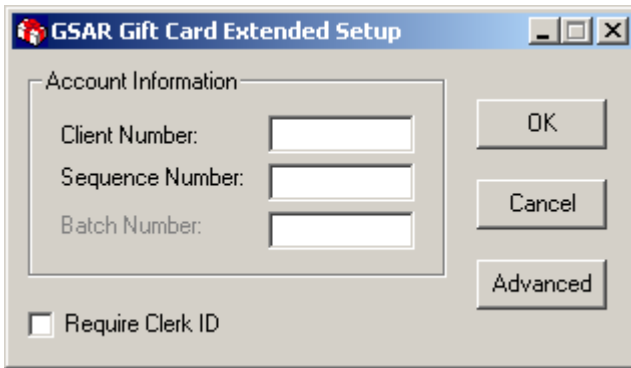
GSAR Gift Notes

- PCCharge can connect to GSAR via a dial-up modem connection or a lease line connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Lease Line Processing** in **About Communication Types** for more information on lease line processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the GSAR gateway.

GSAR Gift Contact Information

- **WWW** -- <http://www.paymentech.com>
- **Customer Service** -- (800) 254-9556

GSAR Gift Extended Data Fields



The image shows a Windows-style dialog box titled "GSAR Gift Card Extended Setup". It features a blue title bar with a red icon on the left and standard window controls (minimize, maximize, close) on the right. The main area is a light gray panel containing a group box labeled "Account Information". Inside this group box are three text input fields: "Client Number:", "Sequence Number:", and "Batch Number:". Below the group box is a checkbox labeled "Require Clerk ID". To the right of the input fields are three buttons: "OK", "Cancel", and "Advanced".

Account Information

Client Number -- (4-digits) -- Enter your Client Number in this field.

Sequence Number -- (Default = 0) -- This field displays your open batch information. This value is automatically incremented by **PCCharge** during normal batch operation. Do not alter this value unless directed by a Technical Support Representative.

Batch Number -- Not implemented.

Require Clerk ID -- (Default = Unchecked) -- If you check this box, your employee must enter an identification code in order to process a transaction using this account.

Advanced

Click this button to access the **Paymenttech Advanced Options** window.

Paymenttech Advanced Options

Paymenttech Advanced Options

Communications

- Use Dial-up Modem
- Use TCP/IP Lease Line
- Use TCP/IP
- Use TCP/IP Pass Through

Lease Line System Information

Primary Authorization Address	Port
<input type="text"/>	<input type="text"/>
Secondary Authorization Address	<input type="text"/>
<input type="text"/>	<input type="text"/>
Primary Settlement Address	<input type="text"/>
<input type="text"/>	<input type="text"/>
Secondary Settlement Address	<input type="text"/>
<input type="text"/>	<input type="text"/>

Dial Backup

- Use Dial-Up Modem for Backup
- Internet Authorization Timeout Value (seconds)
- Internet Settlement Timeout Value/Batch (seconds)

OK **Cancel**

Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to GSAR using your modem.

Use TCP/IP Lease Line -- (Default = Unselected) -- Select this option if your account is set up to connect to GSAR via a TCP/IP Lease line connection.

Use TCP/IP -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Lease Line System Information

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Primary Authorization Address -- (Default = Empty) -- This information will be supplied to you by GSAR.

Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

Secondary Authorization Address -- (Default = Empty) -- This information will be supplied to you by GSAR.

Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

Primary Settlement Address -- (Default = Empty) -- This information will be supplied to you by GSAR.

Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

Secondary Settlement Address -- (Default = Empty) -- This information will be supplied to you by GSAR.

Port -- (Default = Empty) -- This information will be supplied to you by GSAR.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP Lease Line** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, **PCCharge** will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Set this value to the number of seconds you want **PCCharge** to wait for TCP/IP settlement from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

GSAR Gift Transaction Types

- **Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.

- **Partial?** -- Checking this box allows you to give your customer the option to use all or part of his gift card balance to make a partial payment. Example: The customer wants to purchase a \$100 item but only has \$25 in his gift card account. If you enter \$100 into this window and check the **Partial?** box, **PCCharge** will prompt you to enter the partial payment amount (\$25). The remaining amount would need to be made through other means.
- **Force?** -- Checking this box allows you to enter the authorization code for a **Redemption** transaction if you've already received a voice authorization for that transaction. This is essentially the same concept as credit card voice auth transactions.
- **Issuance/Add Value** -- This transaction type performs two basic functions:
 1. If a card has not yet been activated, this transaction type is used to activate a gift with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
 2. If a card has been activated, this transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.

When the Issuance/Add Value tab is selected, a window appears onscreen asking for the number of cards being issued. **PCCharge** is able to issue multiple GSAR gift cards simultaneously--enter the number of gift cards you wish to issue. All multi-processed gift cards must be issued with the same starting balance.

- **Force?** -- Checking this option allows you to enter the authorization code for a Issuance/Add Value transaction if you've already received a voice authorization for that transaction. This is essentially the same concept as credit card voice auth transactions.

Note: During a normal Issuance transaction, a response is returned by GSAR. To check the results of a multi-processed Issuance, check the **Gift Card** report (consult the section **Reports** in your **PCCharge** User's Manual for more information).

- **Void** -- This transaction type cancels an existing gift card transaction. You specify which by entering the Auth Code of the original transaction. The Auth Code can be found in the **Gift Card** report (consult the section **Reports** in your **PCCharge** User's Manual for more information). This transaction type is conceptually similar to a credit card Void transaction. **Note:** A Paymentech gift card Void transaction can be performed on an existing Issuance/Add Value or Redemption transaction, but cannot be performed on a Prior Issuance/Add Value or Prior Redemption transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Prior Issuance/Add Value** -- This transaction type allows you to enter the authorization code for an Issuance/Add Value transaction when you've received a voice authorization for that transaction. This transaction type is conceptually similar to a credit card Post-Auth transaction.
- **Prior Redemption** -- This transaction type allows you to enter the authorization code for a Redemption transaction when you've received a voice authorization for that transaction. This transaction type is conceptually similar to a credit card Post-Auth transaction.
- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount \$:** field to close the account.

RBS Lynk (LYNK) Gift

LYNK Gift Notes

- PCCharge can connect to LYNK via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
- LYNK gift card accounts must be settled (like credit card accounts). Consult the section **Settle** in your PCCharge User's Manual for more information.

LYNK Gift Contact Information

- **WWW** -- <http://www.lynksystems.com>
- **Customer Service** -- (800) 859-5965

LYNK Gift Extended Data Fields

LYNK Giftcard Extended Setup

Merchant Information

Bin #:

Store #:

Terminal #:

Chain #:

Bank #:

Currency Code:

Country Code:

City Code:

Language Code:

Category Code:

Time Zone:

Cust. Service #:

Batch Information

Primary:

Secondary:

Batch #:

Location #:

OK

Cancel

Advanced..

Business Type

Retail Restaurant

Mail Order Electronic Commerce

Restaurant Information

Authorization Expansion Factor %

Company Information

Company:

City:

State:

Merchant Information

You must complete all of the merchant information fields before you can process transactions. Your processing company or merchant service provider will provide you with most of this information.

Bin # -- (Default = Empty) (6-digits) -- Enter the 6-digit, non-zero, acquiring bank's identification number.

Store # -- (Default = Empty) (4-digits) -- Enter the 4 digit Store Number that identifies your merchant account.

Terminal # -- (Default = Empty) (4-digits) -- Enter your account's Terminal Number.

Chain # -- (Default = Empty) (6-digits) -- Enter your account's Chain Number.

Bank # -- (Default = Empty) (6-digits) -- Allows you to enter the Bank Number.

Currency Code -- (Default = 840) (3-digits) -- Enter the 3-digit code identifying the type of currency being used. 840 is the setting for U.S. dollars.

Country Code -- (Default = 840) (3-digits) -- Enter the 3 digit code identifying your country. The Country Code 840 represents the United States.

City Code -- (Default = Empty) -- Enter your zip code. Enter only the first five digits of the zip code.

Language Code -- (Default = 00) (2-digits) -- Enter the 3-digit code identifying your language. The default setting of "00" is for U.S. English.

Category Code -- (Default = Empty) (4-digits) -- Enter the 4-digit category code identifying your merchant type.

Time Zone -- (Default = Empty) (3-digits) -- Enter the Time Zone Code corresponding to your time zone.

Customer Service # -- Enter your business's 10-digit phone number. This phone number will appear on your customer's statement and will provide your customers with a way of contacting you.

Batch Information

Primary -- (Default = Empty) -- Not implemented.

Secondary -- (Default = Empty) -- Not implemented.

Batch # -- The batch number is the counter for the current batch. PCCharge automatically increments this value after every batch is settled. Do not alter this value unless directed by a Technical Support Representative.

Location #: -- (Default = 00001) -- Not implemented.

Business Type

Retail -- (Default = Selected) -- Select this option if LYNK classifies your business as Retail (most of your business is done face to face with the customer).

Mail Order -- (Default = Unselected) -- Not implemented.

Restaurant -- (Default = Unselected) -- Not implemented.

Electronic Commerce -- (Default = Unselected) -- Not implemented.

Restaurant Information

Not implemented.

Company Information

Company -- (Default = Empty) -- Enter your company's name (as registered with LYNK for this account).

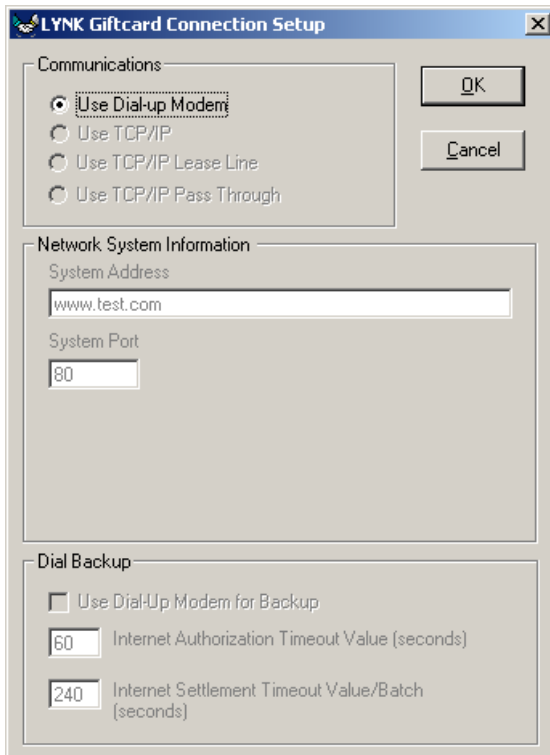
City -- (Default = Empty) -- Enter the name of the city in which your company is located (as registered with LYNK for this account).

State -- (Default = Empty) -- Enter the name of the state in which your company is located (as registered with LYNK for this account).

Advanced

Click this button to access the **LYNK Giftcard Connection Setup** window.

LYNK Giftcard Connection Setup



The screenshot shows a dialog box titled "LYNK Giftcard Connection Setup" with a close button (X) in the top right corner. The dialog is divided into three main sections:

- Communications:** Contains four radio button options:
 - Use Dial-up Modem
 - Use TCP/IP
 - Use TCP/IP Lease Line
 - Use TCP/IP Pass Through
- Network System Information:** Contains two text input fields:
 - System Address:
 - System Port:
- Dial Backup:** Contains a checkbox and two text input fields:
 - Use Dial-Up Modem for Backup
 - Internet Authorization Timeout Value (seconds):
 - Internet Settlement Timeout Value/Batch (seconds):

On the right side of the dialog, there are two buttons: "OK" and "Cancel".

Communication

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to LYNK using your modem.

Use TCP/IP Lease Line -- (Default = Unselected) -- Not implemented.

Use TCP/IP -- (Default = Unselected) -- Not implemented.

Use TCP/IP Pass Through -- (Default = Unselected) -- Not implemented.

Network System Information

Not implemented.

Dial Backup

Not implemented.

LYNK Gift Transaction Types

- **Gift Add Value** -- This transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Gift Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Gift Redemption** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Gift Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.
- **Rewards Add Value** -- This transaction type increases the cardholder's rewards balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction, except that it is rewards-based, not funds-based.
- **Rewards Balance** -- This transaction type looks up a cardholder's rewards balance and returns that value.
- **Rewards Redemption** -- This transaction type reduces the cardholder's rewards balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction, except that it is rewards-based, not funds-based.
- **Rewards Void** -- This transaction type cancels an existing gift card rewards transaction. This transaction type is conceptually similar to a credit card Void transaction, except that it is rewards-based, not funds-based.

Secure Payment Systems (SPS) Gift

SPS Gift Notes

- PCCharge can connect to SPS via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the SPS gateway.

SPS Gift Contact Information

- **WWW** -- <http://www.securepaymentsystems.com>
- **Customer Service** -- (888) 243-5249

SPS Gift Extended Data Fields

Secure Payment Systems Extended Options

Merchant Information

Terminal ID:

Business Type

Retail/Other

Restaurant

Restaurant Setup

Authorization Expansion Factor %

Require Server ID

OK

Cancel

Advanced

Merchant Information

Terminal ID -- Enter your Terminal ID in this field.

Business Type

Retail/Other -- (Default = Unselected) -- Select this option if SPS classifies your business as Retail (most of your business is done face to face with the customer) or Other.

Restaurant -- Not implemented.

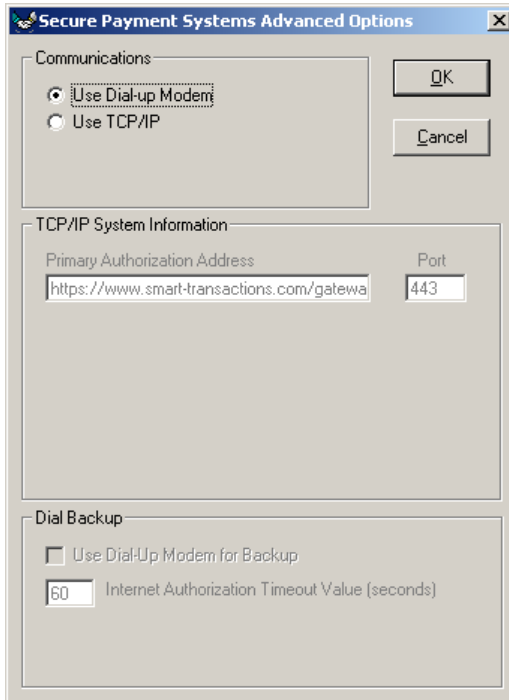
Restaurant Setup

Not implemented

Advanced

Click this button to access the **Secure Payment Systems Advanced Options** window.

Secure Payment Systems Advanced Options



The screenshot shows a dialog box titled "Secure Payment Systems Advanced Options" with a close button (X) in the top right corner. The dialog is divided into three sections:

- Communications:** Contains two radio buttons: "Use Dial-up Modem" (which is selected) and "Use TCP/IP". To the right of this section are "OK" and "Cancel" buttons.
- TCP/IP System Information:** Contains two input fields. The "Primary Authorization Address" field contains the text "https://www.smart-transactions.com/gatewa". The "Port" field contains the number "443".
- Dial Backup:** Contains a checkbox labeled "Use Dial-Up Modem for Backup" which is unchecked. Below it is a text input field containing "60" followed by the label "Internet Authorization Timeout Value (seconds)".

Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to SPS using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the SPS gateway to process transactions via TCP/IP.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (As Shown) -- This is the primary address of the SPS gateway. Do not alter this value unless directed by a Technical Support Representative.

Port: -- (Default = Empty) -- This is the port through which SPS transactions are sent. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

SPS Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If the **Amount** is specified, that amount must match the value of the card as it was set up with SPS.
- **Add Value** -- This transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Balance Transfer** -- This transaction type is used to move funds from one account to another. The **Balance Transfer** transaction can be used in situations where the magnetic strip has become unreadable. Basically, the new card replaces the old card.
- **Batch Functions** -- This tab allows you to access the **Day Totals** button. Clicking the **Day Totals** button gives the number amount of Sales, Activations, and Add Values for the current day.
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.

Smart Transaction Systems (SMTS) Gift

SMTS Gift Notes

- PCCharge can connect to SMTS via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the SMTS gateway.

SMTS Gift Contact Information

- **WWW** -- <http://www.smart-transactions.com>
- **Customer Service** -- (888) 494-9760

SMTS Gift Extended Data Fields

Smart Transaction Systems Extended Options

Merchant Information

Terminal ID:

OK

Cancel

Business Type

Retail/Other

Restaurant

Advanced

Restaurant Setup

Authorization Expansion Factor %

Require Server ID

Merchant Information

Terminal ID -- Enter your Terminal ID in this field.

Business Type

Retail/Other -- (Default = Unselected) -- Select this option if SMTS classifies your business as Retail (most of your business is done face to face with the customer) or Other.

Restaurant -- (Default = Selected) -- Select this option if SMTS classifies your business as a restaurant.

Restaurant Setup

This section is not accessible unless **Restaurant** is selected as a **Business Type**.

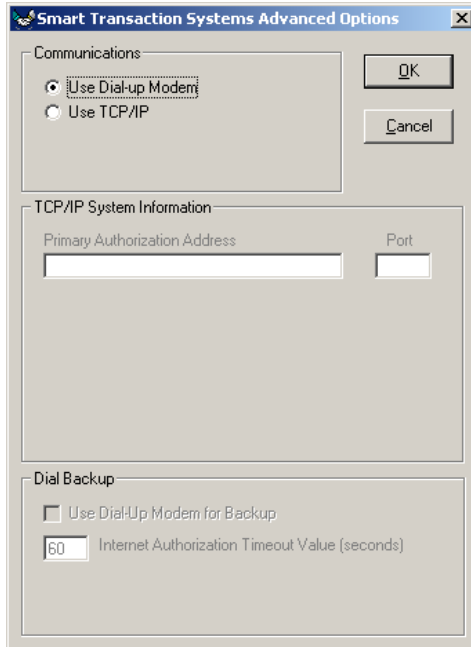
Authorization Expansion Factor -- (Default = 000) -- Allows you to enter the "authorization expansion factor" you have set up with the credit card processing company. Usually this is 120%. This would allow 20% of the transaction amount without the tip (the other 100%) to be authorized, even if the actual gratuity amount is not known.

Require Server ID -- (Default = Unchecked) (2-digits) -- By checking this box, your employee would have to enter an identification code when entering the tip for a transaction.

Advanced

Click this button to access the **Smart Transaction Systems Advanced Options** window.

Smart Transaction Systems Advanced Options



Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to SMTS using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to the SMTS gateway to process transactions via TCP/IP.

TCP/IP System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Authorization Address -- (As Shown) -- This is the primary address of the SMTS gateway. Do not alter this value unless directed by a Technical Support Representative.

Port: -- (Default = Empty) -- This is the port through which SMTS transactions are sent. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for TCP/IP authorization from the processing company before timing out. The backup dial-up modem you've selected will then be used to connect.

SMTS Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If the **Amount** is specified, that amount must match the value of the card as it was set up with SMTS.
- **Add Points** -- This transaction type increases the cardholder's points balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction, except that it is points-based, not funds-based. This transaction type is not available unless you click **Yes** when PCCharge asks you if the card is a loyalty card (in the **Gift Card Transaction** window).
- **Add Value** -- This transaction type is used to increase the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Balance Transfer** -- This transaction type is used to move funds from one account to another. The **Balance Transfer** transaction can be used in situations where the magnetic strip has become unreadable. Basically, the new card replaces the old card.
- **Batch Functions** -- This tab allows you to access the **Day Totals** button. Clicking the **Day Totals** button gives the number amount of Sales, Activations, and Add Values for the current day.
- **Redeem Points** -- This transaction type reduces the cardholder's points balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction, except that it is points-based, not funds-based. This transaction type is not available unless you click **Yes** when PCCharge asks you if the card is a loyalty card (in the **Gift Card Transaction** window).
- **Refund** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
- **Tip** -- This transaction type is used to provide the cardholder with his balance in cash. This transaction type is not accessible unless your SMTS gift card merchant account's business type is set as restaurant in the **SMTS Extended Data Fields**.
- **Void** -- This transaction type cancels an existing gift card transaction. This transaction type is conceptually similar to a credit card Void transaction.

ValueLink (VLNK) Gift

VLNK Gift Notes

- PCCharge can connect to VLNK via a dial-up modem connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).

VLNK Gift Contact Information

- **WWW** -- <http://www.valuelink.info>
- **Customer Service** -- (877) 848-8970

VLNK Gift Extended Data Fields

ValueLink Extended Data Fields

Merchant Information

Terminal ID:

Alternate Merchant #:

Industry Type

Retail

Restaurant

Electronic Commerce

Allow Split Tender for Redemptions

Simulate PreAuth Process

Require Clerk/Server ID

OK

Cancel

Merchant Information

Terminal ID -- (4-digits) -- Enter your Terminal ID in this field.

Alternate Merchant # -- (up to 11-digits) -- Enter your Alternate Merchant # in this field.

Industry Type

Retail -- (Default = Selected) -- Select this option if VLNK classifies your business as Retail (most of your business is done face to face with the customer).

Restaurant -- (Default = Unselected) -- Select this option if VLNK classifies your business as a Restaurant.

Electronic Commerce -- (Default = Unselected) -- Select this option if VLNK classifies your business as e-Commerce.

Allow Split Tender for Redemptions -- (Default = Unchecked) -- If this option is checked, **PCCharge** will allow the cardholder to make a purchase using the remainder of the card's balance in addition to some other tender type (cash, credit, check).

Example: The cardholder has \$10 remaining in her account. She purchases an item for \$15 using her VLNK card.

If **Allow Split Tender for Redemptions** is checked, **PCCharge** will allow this transaction—deducting all \$10 from the card's balance. **PCCharge** then prompts the user to collect the other \$5 from the customer to complete the transaction.

If **Allow Split Tender for Redemptions** is unchecked, **PCCharge** will not allow this transaction and will instead display an NSF error, since the account does not contain sufficient funds to process the transaction.

Consult the section **All about ValueLink (VLNK) Gift Card Transactions** in your **PCCharge User's Manual** for more information on **Redemption** transactions.

Simulate Pre-Auth Process -- (Default = Unchecked) -- This option exists to provide merchants with the ability to use their ValueLink accounts to process transactions in a manner similar to the credit card **Pre-Auth/Post-Auth** process.

If this option is unchecked, **PCCharge** will process all **Redemption** and **Balance** transactions normally.

If this option is checked, **PCCharge** will allow you to perform **Redemption Unlock** transactions in addition to standard **Redemption** transactions. Also, **PCCharge** will allow you to perform **Balance w/Lock** transactions in addition to standard **Balance** transactions.

Consult the section **All about ValueLink (VLNK) Gift Card Transactions** in your **PCCharge User's Manual** for more information on **Redemption**, **Redemption Unlock**, **Balance**, and **Balance w/Lock** transactions.

Require Clerk ID -- (Default = Unchecked) -- By checking this box, your employee would have to enter an identification code when entering a transaction.

VLNK Gift Timeout Reversals

In certain situations, "timeout reversals" can occur. The following scenario describes a time out reversal and what can cause one to occur.

Example: Your customer has a gift card with \$100 on it. You (the merchant) attempt to process a redemption transaction for \$20. There is a communication problem during the transaction attempt, causing PCCharge to not receive a response back from VLNK within a certain amount of time.

PCCharge will automatically attempt to reconnect to VLNK to send a timeout reversal. This reversal is an attempt to restore the gift card to the balance it had before the redemption transaction was processed (\$100). If the timeout reversal attempt is successful, PCCharge will inform you that the redemption has been reversed, and will display the previous balance (\$80) and the current balance (\$100).

After a successful timeout reversal, you should reattempt the original transaction—since the communication problem prevented it from being successfully processed. In the example given above, the merchant should reattempt to process the \$20 redemption transaction after processing the timeout reversal.

VLNK Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If the **Amount** is specified, that amount must match the value of the card as it was set up with VLNK.
- **Balance** -- This transaction type returns the balance of a gift card account.
- **Balance Adjustment** -- This transaction type is used to adjust the balance of a cardholder's account. The transaction amount must be signed either negative (-) to indicate that the consumer's account should be decremented or positive (+) to indicate that the consumer's account should be incremented.
- **Balance Merge** -- This transaction is used to move funds from one account (or accounts) to another. It's used to consolidate accounts (cards) when a consumer has more than one gift card and wishes to combine the funds into a single account. Both destination and source accounts must be active. The entire balance of the source account is moved to the destination account. **Note:** This transaction type is not accessible unless your account is set up as **Restaurant** in the **VLNK Extended Data Fields**.
- **Balance Transfer** -- This transaction type is used to move funds from one account to another. This is similar to a Balance Merge transaction. The **Balance Transfer** transaction can be used in situations where the magnetic strip has become unreadable. Basically, the new card replaces the old card. **Note:** This transaction type is not accessible unless your account is set up as **Restaurant** in the **VLNK Extended Data Fields**.
- **Balance w/Lock** -- This transaction type looks up a gift card account and returns the balance. When this transaction is completed, the gift card's balance is locked (similar to the way a credit card customer's balance is reduced by a Sale transaction). This transaction type is conceptually similar to a credit card **Pre-Auth** transaction; the funds aren't really transferred from the cardholder's account to the merchant's account—they're "set aside" for a potential transfer (through a **Redemption Unlock**). **Example:** The cardholder wishes to purchase a service for which the estimated value is \$10. A **Balance w/Lock** transaction is performed to reduce the card's account balance by \$10. The transaction is completed and funds are actually moved from the cardholder's account to the merchant's account when a **Redemption Unlock** transaction is performed. **Note:** This transaction type is not accessible unless **Simulate PreAuth Process** is checked in the **VLNK Extended Data Fields**.
- **Cash-Out** -- This transaction type is used to provide the cardholder with his balance in cash.

- **Redemption** -- This transaction type reduces the gift cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card **Sale** transaction. **Note:** If the **VLNK Extended Data Fields** option **Allow Split Tender for Redemptions** is unchecked and a card's account contains insufficient funds during a **Redemption** transaction, VLNK will decline the transaction.
- **Redemption Unlock** -- This transaction type allows you to enter the authorization code for a **Redemption** transaction after you've received a voice authorization for that transaction. This transaction type is conceptually similar to a credit card **Post-Auth** transaction. Consult **Balance w/Lock** for more information. **Note:** This transaction type is not accessible unless **Simulate PreAuth Process** is checked in the **VLNK Extended Data Fields**.
- **Reload** -- This transaction type increases the cardholder's account balance by the specified amount. This transaction type is conceptually similar to a credit card **Credit** transaction.
- **Report Lost/Stolen** -- This transaction type is used to replace a lost or stolen card with a new card. Enter the original card account number. The original account is deactivated and the new account is activated.
- **Void** -- This transaction type cancels an existing gift card transaction. You specify which by entering the **Auth Code** of the original transaction. The **Auth Code** can be found in the **Gift Card** report (consult the section **Reports** in your **PCCharge User's Manual** for more information). This transaction type is conceptually similar to a credit card **Void** transaction.

Valutec (VTEC) Gift

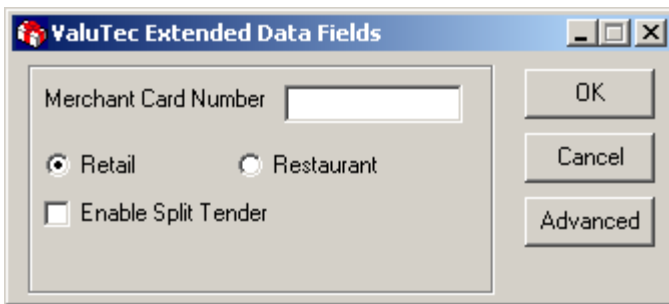
VTEC Gift Notes

- PCCharge can connect to VTEC via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the VTEC gateway.

VTEC Gift Contact Information

- **WWW** -- <http://www.valutec.net>
- **Customer Service** -- (615) 771-8700

VTEC Gift Extended Data Fields



Merchant Information

Merchant Card Number -- (10 alpha/numeric characters) -- Enter your merchant card number in this field.

Retail -- (Default = Selected) -- Select this option if Valutec classifies your business as Retail (most of your business is done face to face with the customer).

Restaurant -- (Default = Unselected) -- Select this option if Valutec classifies your business as a restaurant.

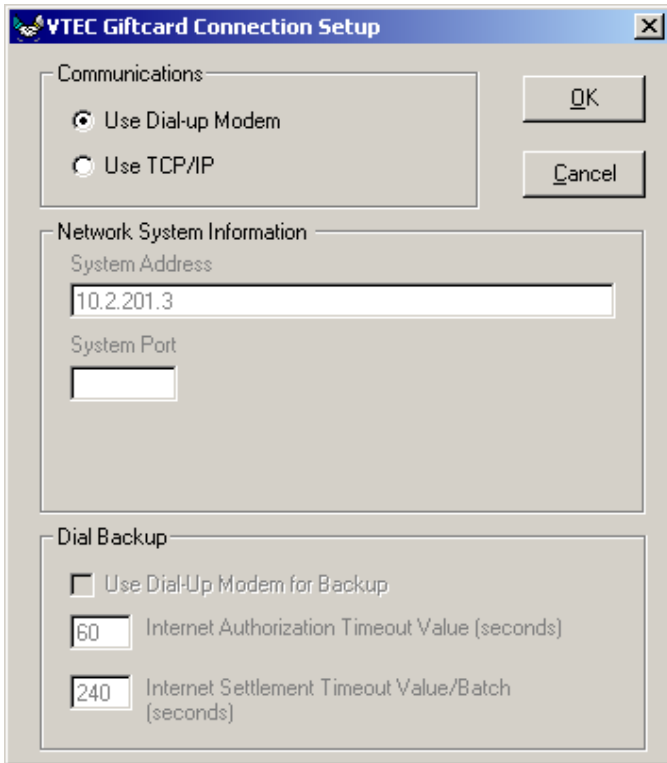
Enable Split Tender -- (Default = Unchecked) -- If this option is checked, **PCCharge** will attempt to allow the cardholder to make a purchase using the remainder of the card's balance in addition to some other tender type (cash, credit, check). **Note:** VTEC must set up this ability for your account--merely checking this box without making arrangements with VTEC first will not activate this feature. **Example:**

- The cardholder has \$10 remaining in her account. She purchases an item for \$15 using her VTEC card.
- If **Enable Split Tender** is checked (and VTEC has set up your account with this ability), **PCCharge** will allow this transaction—deducting all \$10 from the card's balance. **PCCharge's** transaction response will display the amount due (\$5).
- If **Enable Split Tender** is unchecked, **PCCharge** will not allow this transaction and will instead display an NSF error, since the account does not contain sufficient funds to process the transaction.
- Consult the section **All about Valutec (VTEC) Gift Card Transactions** in your **PCCharge User's Manual** for more information on **Sale** transactions.

Advanced

Click this button to access the **VTEC Giftcard Connection Setup** window.

VTEC Giftcard Connection Setup



The screenshot shows a dialog box titled "VTEC Giftcard Connection Setup" with a close button (X) in the top right corner. The dialog is divided into three sections:

- Communications:** Contains two radio buttons: "Use Dial-up Modem" (which is selected) and "Use TCP/IP".
- Network System Information:** Contains two text input fields: "System Address" with the value "10.2.201.3" and "System Port" which is empty.
- Dial Backup:** Contains a checkbox "Use Dial-Up Modem for Backup" (which is unchecked), a text input field "Internet Authorization Timeout Value (seconds)" with the value "60", and another text input field "Internet Settlement Timeout Value/Batch (seconds)" with the value "240".

Buttons for "OK" and "Cancel" are located on the right side of the dialog.

Communications

Use Dial-up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to VTEC using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to VTEC via a TCP/IP connection.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

System Address -- (As Shown) -- This is the primary address of the VTEC gateway. Do not alter this value unless directed by a Technical Support Representative.

System Port: -- (Default = Empty) -- This is the port through which VTEC transactions are sent. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- Not implemented.

Internet Authorization Timeout Value -- (Default = 60) -- Not implemented.

Internet Settlement Timeout Value/Batch -- (Default = 240) -- Not implemented.

VTEC Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Add Value** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Batch Functions** -- This window allows you to access the following buttons:
 - **Day Totals** -- Gives the number amount of Sales, Activations, Deactivations, and Add Values for the current day.
 - **Previous Day Totals** -- Gives the number amount of Sales, Activations, Deactivations, and Add Values for the previous day.
- **Deactivate** -- This transaction is the opposite of the Activate transaction. It invalidates an existing active card. Enter the existing account balance into the **Amount \$:** field to close the account.
- **Replace** -- This transaction is used to replace a lost card with a new card. Enter the original card account number. The original account is deactivated and the new account is activated.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.
Note: If the **VTEC Extended Data Fields** option **Enable Split Tender** is unchecked and a card's account contains insufficient funds during a Sale transaction, VLNK will decline the transaction.

- **Void** -- This transaction type cancels an existing gift card transaction. You specify which by entering the Auth Code of the original transaction. The Auth Code can be found in the **Gift Card** report (consult the section **Reports** in your **PCCharge** User's Manual for more information). This transaction type is conceptually similar to a credit card Void transaction.

World (WRLD) Gift

WRLD Gift Notes

- PCCharge can connect to WRLD via a dial-up modem connection or an Internet connection.
 - Consult the section **Dial-up Modem Processing** in **About Communication Types** for more information on dial-up modem processing (see page 12).
 - Consult the section **Internet Processing** in **About Communication Types** for more information on TCP/IP processing (see page 13).
- If your network is protected by a firewall, you'll need to completely open port 443 for outgoing and incoming data. This is the TCP/IP port used by the WRLD gateway.

WRLD Gift Contact Information

- **WWW** -- <http://www.worldgiftcard.com>
- **Customer Service** -- (888) 404-7446

WRLD Gift Extended Data Fields

World Extended Data Fields

Communications

Use Dial-up Modem

Use TCP/IP

OK

Cancel

Network System Information

Primary Address

Secondary Address

Dial Backup

Use Dial-Up Modem for Backup

Internet Authorization Timeout Value (seconds)

Require Clerk ID

Communications

Use Dial-Up Modem -- (Default = Selected) -- Select this option if your account is set up to connect to WRLD using your modem.

Use TCP/IP -- (Default = Unselected) -- Select this option if your account is set up to connect to WRLD via TCP/IP.

Network System Information

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Primary Address -- (As Shown) -- This is the primary address of the WRLD gateway. Do not alter this value unless directed by a Technical Support Representative.

Secondary Address -- (As Shown) -- This is the secondary address of the WRLD gateway. Do not alter this value unless directed by a Technical Support Representative.

Dial Backup

Note: This information is not accessible unless **Use TCP/IP** is enabled.

Use Dial-Up Modem for Backup -- (Default = Unchecked) -- By checking this box, PCCharge will attempt to connect to the processing company if unable to establish a TCP/IP connection.

Internet Authorization Timeout Value -- (Default = 60) -- Set this value to the number of seconds you want PCCharge to wait for a TCP/IP authorization. The backup dial-up modem is then used.

Require Clerk ID -- (Default = Unselected) -- By selecting this option, your employee would have to enter an identification code when entering a transaction.

WRLD Gift Transaction Types

- **Activate** -- This transaction type activates a gift card with a balance of a specified amount. If no **Certificate Number** is specified, the gift card processing company will assign a unique number to that account.
- **Add Value/Points** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Balance** -- This transaction type looks up a gift card account and returns the balance.
- **Redeem Points** -- This transaction type increases the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Credit transaction.
- **Sale** -- This transaction type reduces the cardholder's account balance by a specified amount. This transaction type is conceptually similar to a credit card Sale transaction.