Remote Link and System Link
July 2011

Version 1.59 Software Update

Effective July 2011, all Remote Link and System Link software is being manufactured as Version 1.59 (7/06/11). This version is an update from the Version 1.59 (3/14/2011) previously shipped and contains new features and updated operation.

Features

32 Character Zone Names

Remote Link Version 1.59 now supports 32 character zone names for XR100/XR500 panels version 205 or higher.

In Zone Information, assign a name to each zone in the system. Zone names may have up to 32 alphanumeric characters.

System Message 155 to include NET

Remote Link now receives a "WARNING: Comm Line Trouble" message to indicate when the phone cable or network cable is unplugged. Previously, the message was only "WARNING: Phone Line Trouble" message to indicate a phone cable was unplugged.

SCS-104 Support

Remote Link Version 1.59 now supports SCS-150 Version 101 programming for the SCS-104 line cards. Information regarding the new Receiver Information Tab in Remote Link is attached to this notice.

XT30/XT50 Onboard Output naming

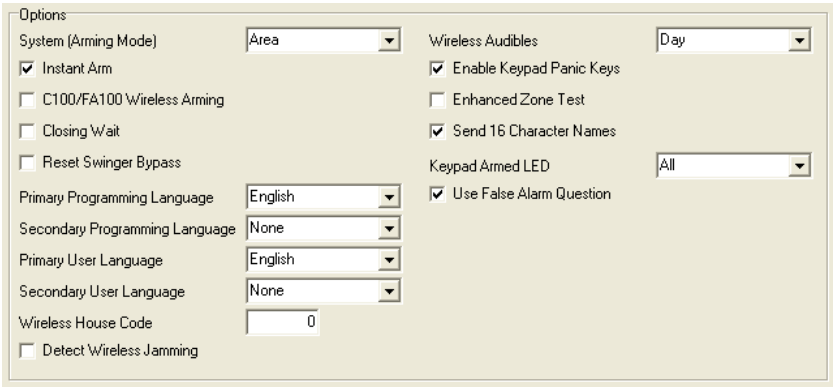
Remote Link now allows 16-character names to be programmed for the onboard outputs (1-4) of the XT30/XT50 Series panels version 107 or higher.

Use False Alarm Question

A new option has been added to the panel programming System Options window that allows an alternate display at the keypad when a burglar alarm occurs.

When selected, the keypad displays "IS THIS A FALSE ALARM? NO YES" rather than "CANCEL VERIFY". Default is disabled.

This option is available when using an XR100/XR500 Series Panel Version 208 and higher and future XTL/XT30/XT50 Panels Version 108 or higher.



Support 10-digit User Codes

The Max Code Length option in Remote Link Configuration now provides new options that allow up to a 10-digit user code when using a Model 1301P Admin Reader with the XR100/XR500 Series panels, version 204 or higher.

Max Code Length: Select the number of characters, 5-10, for the user code.

Wiegand Length: When using a custom product, enter the total number of bits to be received in Wiegand code. This is the number of bits sent by the reader to the program, and not the bit-length of the card. Enter a number between 0-255 to equal the number of bits. Default is 26 bits.

User Code Position: Enter the User Code start bit position. Enter a number between 0-255. Default is 9.

User Code Length: Enter the number of User Code bits. Enter a number between 16-32. The default is the DMP value of 17 which is pre-programmed.

Updated Operation

The following issues only occured in the recently released Remote Link Version 1.59 (3/14/2011).

XTL Schedule Report

Remote Link Version 1.59 (3/14/2011) was unable to generate an XTL schedule report.

Receiver Configuration Error Message

Remote Link no longer creates an error message when first started after a new installation. This only occurred when the full 1.59 (3/14/2011) file was just installed, rather than just updated.

Remote Disarm

Remote Link Version 1.59 (3/14/2011) did not display the panel programmed Remote Disarm option in Remote Options. Previously, the option had to be enabled at the panel before Remote Link or System Link could connect and disarm remotely.

Obtaining the New Software

Remote Link Version 1.59 (7/06/11) is available for download free of charge on the DMP Dealer Direct Website at http://dmp.com/dealer.

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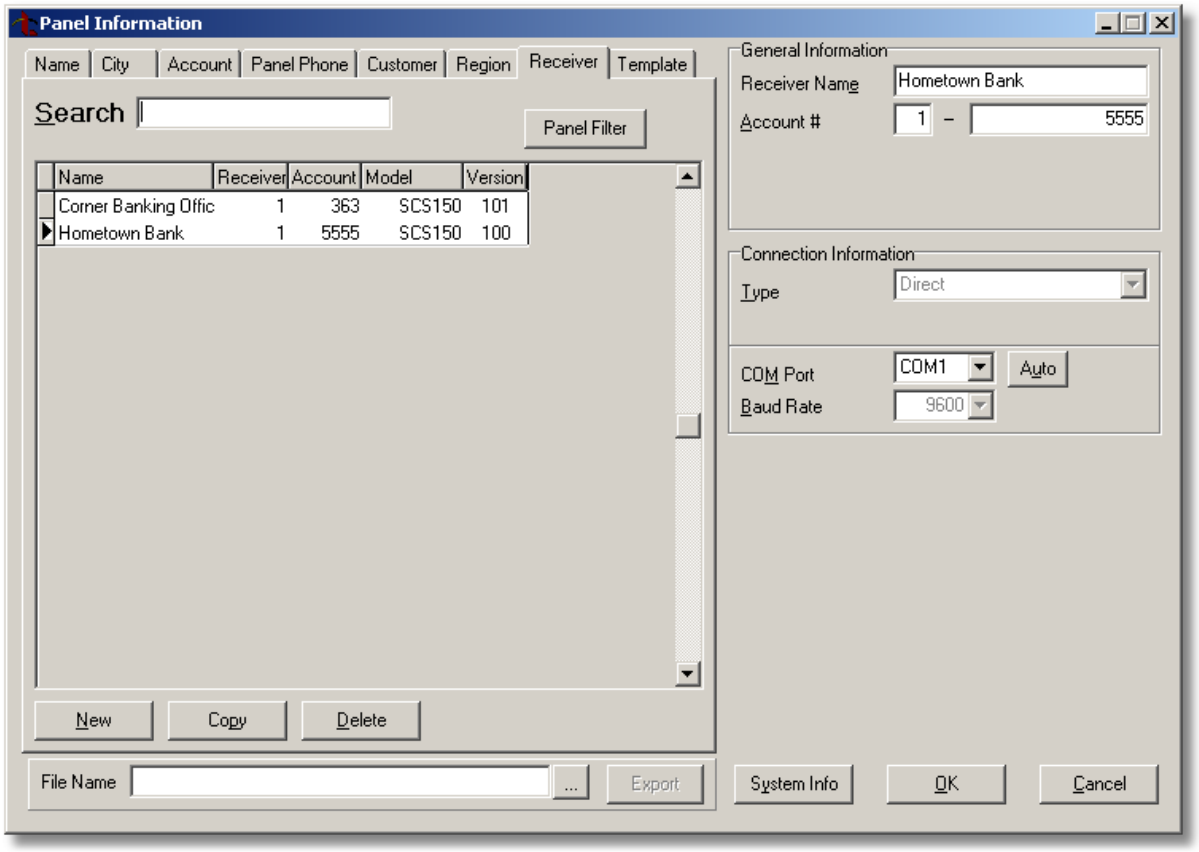
4.1.8 Receiver Information Tab

File > Panel Information> Receiver Information Tab

The Receiver Tab section allows you to add, copy and delete an SCS-1R Receiver using an SCS-150 processor card.



To add a new receiver, click New, and enter the Version number, Receiver number, and Account number for the receiver and click OK. The account number is needed to maintain database integrity and is not used by the system. Any number that is not used by a panel is fine.

Receiver Name: Enter a name for the receiver. The receiver name can be 32-characters long.

COM Port: Select the COM port used for connecting to the receiver. Be sure to select a setting that does not interfere with a mouse, modem, or any other device on the computer. The programmed COM port cannot be used for any other purpose while Remote Link is running.

If a COM Port is programmed for a receiver, Remote Link verifies that a good connection exists before opening the receiver for editing. If no receiver is connected, an error message is displayed. To edit a receiver without testing the connection, set COM Port to None.

To copy an existing receiver, select the receiver from the list and click the Copy button. A new window appears, allowing changes to be made to the information. Once the new information has been added, click OK.

To delete a receiver, select the corresponding receiver from the list and click the Delete button.

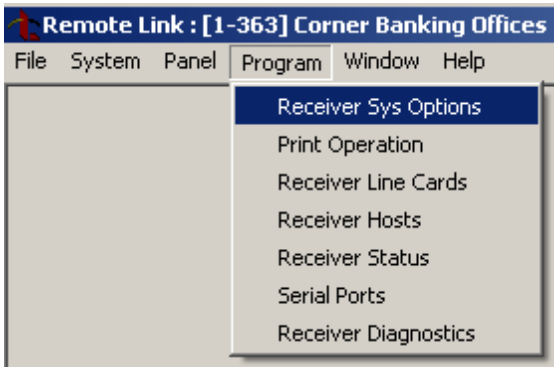
To program a receiver, select the corresponding receiver from the list and click the OK button.

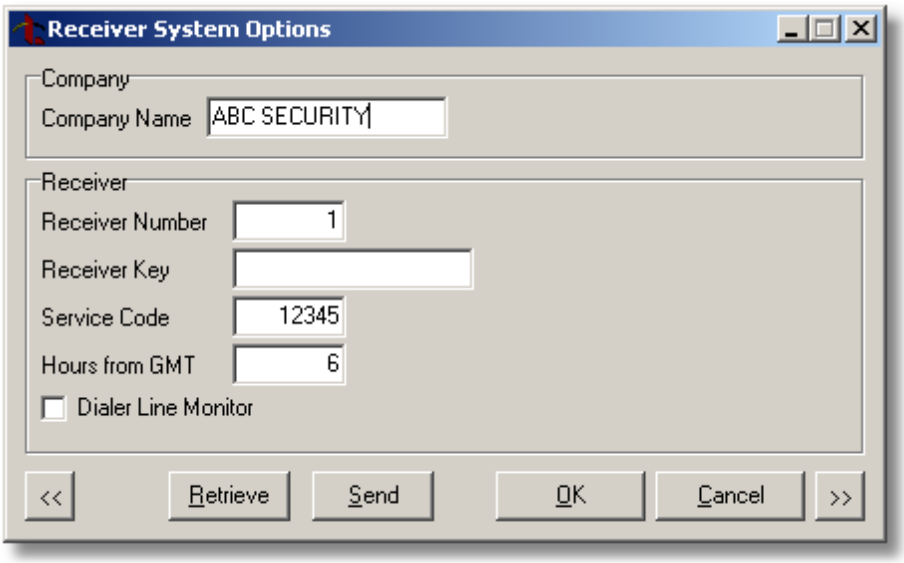
To filter accounts, select the Panel Filter button. This allows filtering of panel or user information.

Receiver Programming

Receiver Sys Options

Program > Receiver Sys Options





Note: Before continuing, click on the Retrieve button to import the current receiver information.

Company Name: Enter your company name using up to 40 characters.

Receiver Number: Used to distinguish between multiple SCS-1R systems. There can be from 0 to 9 systems programmed. Default is 1.

Receiver Key: An eight-character alphanumeric code requested when using remote programming. Default is blank.

Service Code: A 5-digit service authorization code used to authenticate service personnel before allowing access to panel programming or performing any user operations. Range for the 5-digit code is 00000-65535. Entering 00000 for the

Service Code disables this feature and access to panel programming is always granted. Default is 00000.

Hours From GMT: Number of hours (0 to 23) from the Greenwich Time zone (GMT) where the SCS-1R is located. Please see the table of time zones in the Appendix to help locate the appropriate time zone. Default is 6 (Central Time).

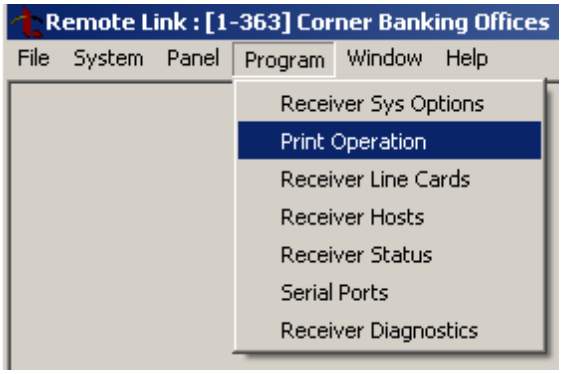
Dialer Line Monitor: Enable monitoring of all digital dialer line cards for any failed communications with panels. Default is disabled.

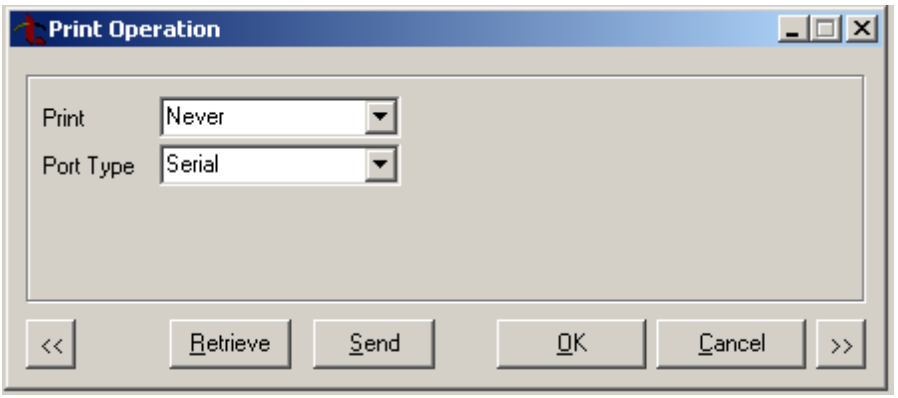
Send: Click Send to send the Receiver System Options programming to the SCS-1R.

Print Operation

Program > Print Operation

This section assigns the activity log/printer programming for the SCS-1R. Connect the printer to the Activity Log port on the back of the SCS-1R Receiver.





Note: Before continuing, click on the Retrieve button to import the current receiver information.

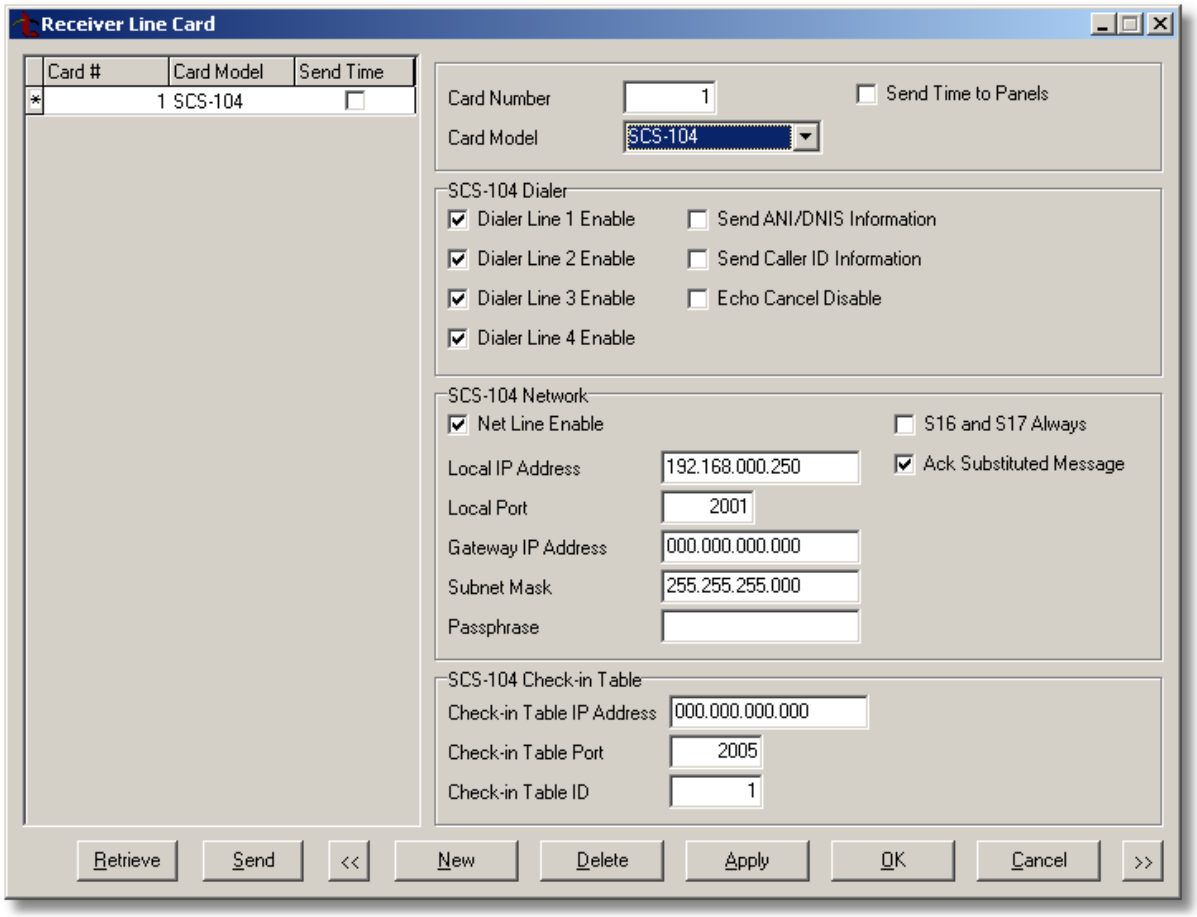
Print: Defines when to use the printer: Never, Always, or Primary (Host output) Fail. Never will suppress all printing, Always will print all messages from the receiver, and Primary (Host output) Fail will print only when the communication to the primary host fails. Default is Always.

Port Type: Serial is the communication type.

Send: Click Send to send the Print Operation programming to the SCS-1R.

Receiver Line Cards

Program > Receiver Line Cards



Note: Before continuing, click on the Retrieve button to import the current receiver information.

New: Select the NEW button near the bottom of the window to add a new line card.

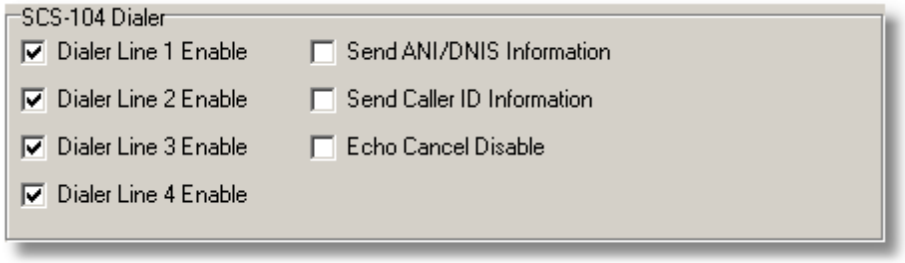
Card Number: Enter the card number, 1 through 8.

Note: Lines 6-8 can only be used with SCS-104 Line Cards using SCS-150 Version 101 and updated SCS-RACK hardware.

Card Model: Select None, SCS-104, SCS-101, or SCS-100 from the drop-down menu.

Send Time to Panels: Select this option to allow the receiver to update the panel's internal clock as the panel communicates with the SCS-150. Select NO to prevent the receiver from updating the communicating panel's internal clock.

SCS-104 Dialer



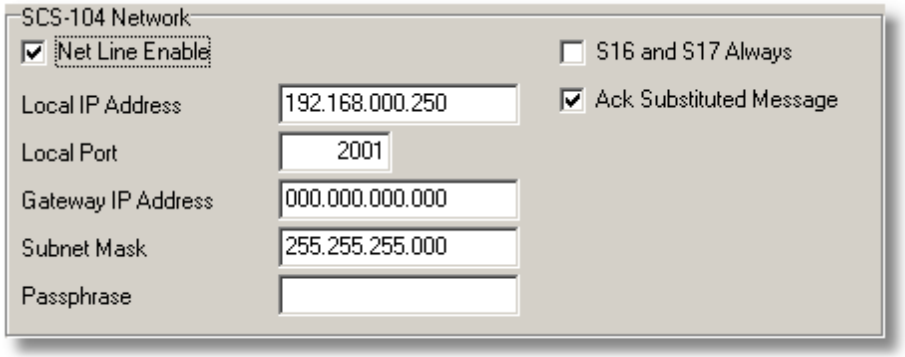
Dialer Line Enable: Select to enable Dialer Lines 1-4 on each card number.

Send ANI/DNIS Information: Select to enable the Automatic Number Identification (ANI) and Dialed Number Identification Service (DNIS) information to be sent. ANI sends the phone number that the panel is using to call. DNIS sends information about the phone number the panel dialed.

Send Caller ID Information: Select to enable the Caller ID information to be sent to host automation.

Echo Cancel Disable: Echo Cancellation is technology used by telephone companies to eliminate echo from voice telephone transmissions. In some cases this technology can interfere with alarm signals. If you have problems with Echo Cancellation interfering with your signals, select to turn off the echo cancellers. If you are not having problems with the telephone company echo cancellation, do not select to leave the echo cancelers on.

SCS-104 Network



Network Line Enable: Select to enable the network for the selected line card. Default is selected.

Local IP Address: Enter the SCS-104 IP address. This address must be unique and cannot be duplicated. The default value is 192.168.000.250.

Local Port: This identifies the port used to communicate messages to and from the panel. If a setting change is required, enter the new number. Valid range is 1 to 65,535. The default value is 2001.

Gateway IP Address: Enter the Gateway IP Address to exit your local network. The default value is 000.000.000.000.

Subnet Mask: Enter the subnet mask assigned to the SCS-104. The default value is 255.255.255.000.

Passphrase: In order to communicate using encryption, XR500 Series panels reporting in to the SCS-104 at the receiver must have a Passphrase. This Passphrase must be programmed into every panel reporting in to the SCS-104 at the receiver. The SCS-104 installed in the receiver must also be programmed with the same Passphrase.

To enable encryption enter an 8 to 16-character Passphrase using alphanumeric characters. If you leave the Passphrase blank, the SCS-104 communicates with XR500 Series panels, but the data is not encrypted. The Passphrase is blank by default.

> **Note:** DO NOT LOSE THE PASSPHRASE. A lost or forgotten Passphrase requires that every XR500 Series panel reporting in to the SCS-104 at the receiver be individually reprogrammed with a new passphrase.

S16 & S17 Always: When disabled, the S16 Panel Not Responding message is sent to the automation computer for each supervised account that has stopped sending check-in messages unless 50 S16 messages have been generated for different accounts within one minute. This could occur because the network has failed. Once this occurs, S72 Network Trouble is sent and the receiver stops sending S16 messages to the automation computer. The receiver sends S73 Network Restored and will begin sending S16 messages after the receiver starts receiving check-in messages again.

When enabled, the S16 Panel Not Responding message is always sent to the automation computer for each supervised account that has stopped sending check-in messages without regard to the number of accounts generating S16 messages.

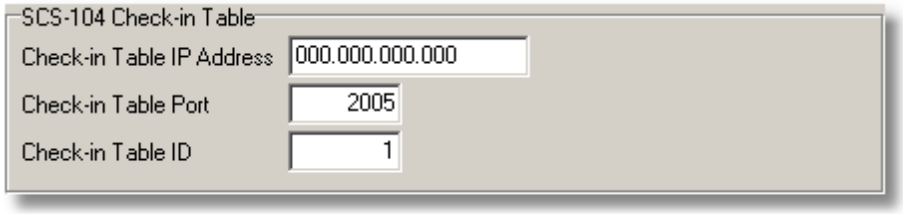
When enabled, the S17 Panel Response Restored message is sent to the automation computer each time a supervised account checks in for the first time after installation. This also occurs at an account's first check-in after the receiver or SCS-104 is powered-up. Default is disabled.

Acknowledge Panel Substitution Message: When selected, the SCS-104 replies with an acknowledgment to messages sent by substituted panels. See the Substitution Code section of the panel programming guide for the definition of a substituted panel. The SCS-104 generates only one S58 Alarm: Panel Substitution message to the host automation computer and receiver printer for each substituted panel. Subsequent messages from substituted panels do not generate additional S58 messages.

When not selected, substituted panels are not sent acknowledgments for their messages. For each message received from a substituted panel, an S58 Alarm: Panel Substitution message is sent to the host automation computer and receiver printer.

> **Note:** Select this option for all receiver installations except for Canadian receiver installations where the security requirement is ULC Level 5 and then this option should not be selected.

SCS-104 Check-in Table



Check-in Table IP Address: The optional SCS-CTM Check-in Table Manager software is used to backup the records of supervised network accounts on up to 32 different SCS-104 line cards. Use SCS-CTM to repopulate the list of supervised network accounts when one SCS-104 or SCS-101 line card is replaced by another SCS-104 or SCS-101. Additionally, the list of supervised network accounts used by an SCS-104 or SCS-101 on a primary receiver can be mirrored by the SCS-CTM for use by an SCS-104 or SCS-101 card on a second receiver. Refer to the SCS-CTM User's Guide (LT-0940).

> **Note:** The list of supervised network accounts on an SCS-104 line card is automatically populated as each panel sends its supervisory check-in message to the SCS-104 line card.

Enter the IP address for the computer where the SCS-CTM Check-in Table Manager software is installed. When no SCS-CTM software is installed, leave the IP address set to 000.000.000.000.

Check-in Table Port: Enter the IP port used to communicate Check-In Table messages to the SCS-CTM Check-in Table Manager program. Valid range is 1 to 65,535. Default is 2005.

Check-in Table ID: Enter the table ID number to be used by the SCS-CTM Check-in Table Manager to identify the check-in table. Valid range is 1 to 255. Default is 1.

Send: Click Send to send the Receiver Line Card programming to the SCS-1R.

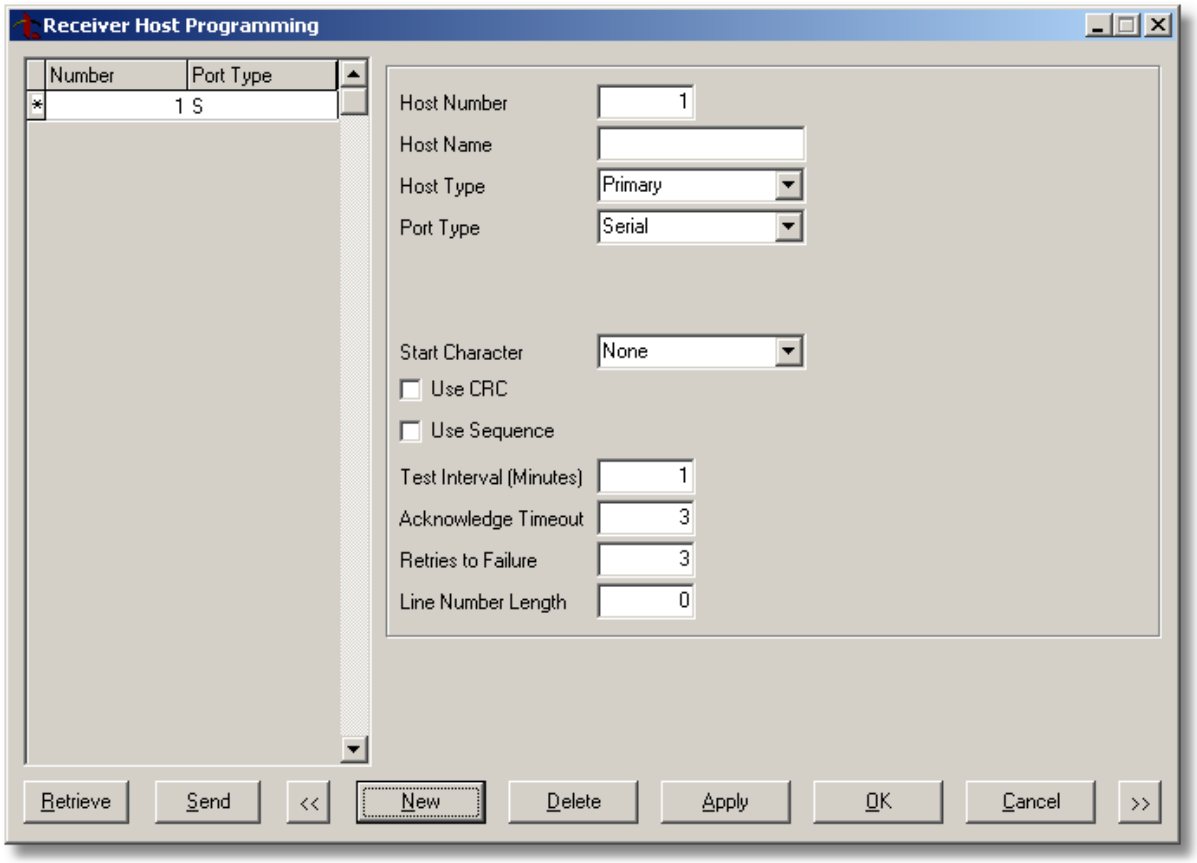
Receiver Host Programming

Program > Receiver Hosts

This section assigns programming to the Receiver Host that is connected to the SCS-1R.

Connect the host computer to the Host Output port on the back of the SCS-1R Receiver.

Note: Before continuing, click on the Retrieve button to import the current receiver information.



Host Number: 1

Host Name: Select a name for the Receiver Host. Name can be 16-characters.

Host Type: Primary.

Port Type: Serial.

Start Character: Select a start character to precede all host messages. Default is None.

Use CRC: Select to enable CRC error checking on each message sent to the host. Default is disabled.

Use Sequence: Select to enable 1-99 numbering of all messages sent to the host.

Default is disabled.

Test Interval (minutes): Enter number of minutes between message tests. The test interval can be between 1-60 minutes. Default is 1.

Acknowledge Timeout (seconds): Enter the number of seconds (1-15) that the receiver should wait for an acknowledgment from the host before re-sending the message. Default is 3.

Retries to Failure: Enter the number of retries allowed without receiving an acknowledgment from the host before entering a failed state. This retry number includes the initial message sent to host. The retry range may be from 1-15. Default is 3.

Line Number Length: Enter the number of digits, 0 (zero) through 2, used to report the SCS-1R Receiver signal line number. Default is 0.

Send: Click Send to send the Receiver Host Programming to the SCS-1R.

Receiver Status

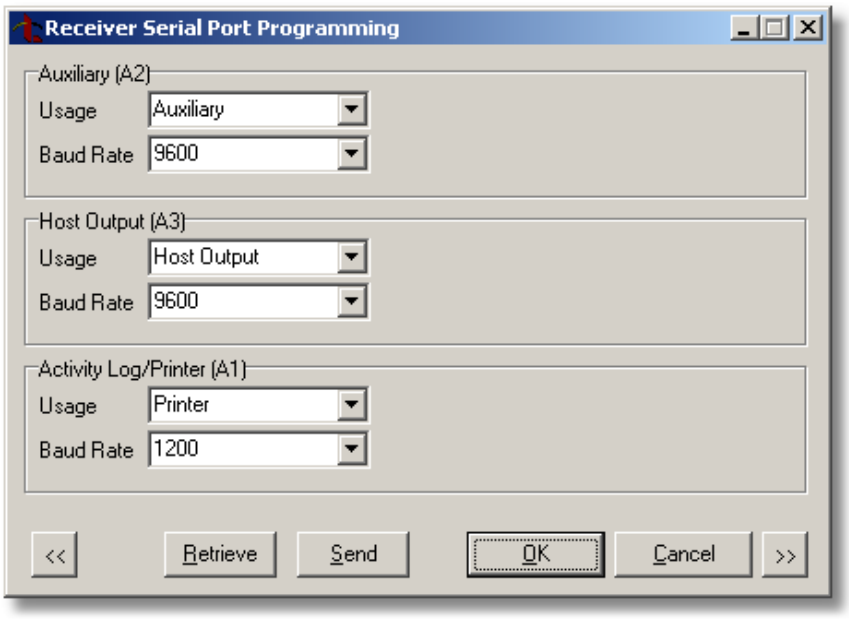
Program > Receiver Status

Select to see the Receiver Model, Version Number, and Firmware Date.

Serial Ports

Program > Serial Ports

Select to open the Receiver Serial Port Programming window.



Note: Before continuing, click on the Retrieve button to import the current receiver information.

Auxiliary

Baud Rate: 9600.

Usage: Auxiliary.

Host Output

Baud Rate: Select the baud rate for the Host port. Default is 9600.

Usage: Host

Activity Log/Printer

Baud Rate: Select the baud rate for the Printer port. Default is 1200.

Usage: Printer.

Send: Click Send to send the Receiver Serial Port Programming to the SCS-1R/SCS-150.

Receiver Diagnostics

Program > Receiver Diagnostics

Select to display the MAC Address, Serial Number, Version Number, Firmware Date, Bank Number, Key value, Write Count and DB Version.

Filtering Accounts

File > Filtering Accounts

The Panel Information screen has a "right click" popup menu that allows quick filtering of the records in the grid. Select what data to filter and right click the mouse button. These options will appear:

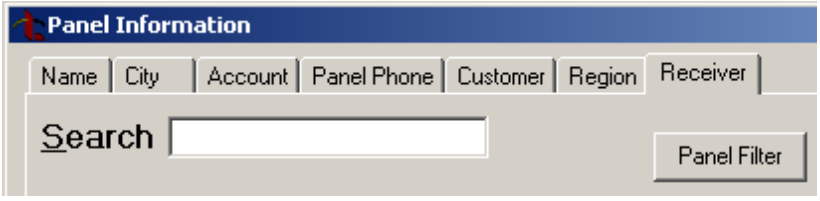
Add to Filter: Adds the value of the field as an additional condition for the filter.

Clear Filter: Removes all filtering.

Filter by Selection: Makes the value of the field the only condition for filtering records. For example, if you right click on the XR40 and select Filter by Selection, then the filtered list shows all of the XR40 panels in the database.

> **Note:** To export the filtered list of records, enable Advanced Filtering privileges in Operator Configuration and access the Panel Filter window for export options.

Panel Information Filter Window



On the Panel Information Window, click the Panel Filter button. This allows filtering of panel or user information.