INSTALLATION

The best place to install the SCS-105 is near your Remote Link™ or System Link™ computer. This allows you to monitor the communication status LEDs while receiving or sending transmissions, and provides easy access to the line monitor volume control.

If you are using the SCS-105 with DMP Remote Link or System Link software, you must make a few configuration adjustments before you contact any subscriber accounts. See section 3 for more information about configuring.

Note: For additional information, see the Remote Link User’s Guide (LT-0565) or System Link User’s Guide (LT-0570).

CABLE CONNECTIONS

1. Connect the 4-wire phone cable from the appropriate phone jack into the TELCO port on the rear of the SCS-105.

2. Connect the 4-wire data cable to the rear HOST port on the SCS-105 receiver.

3. Connect the 25-pin male connector to the convertor cable using the 25-pin female connector.

4. Connect the 9-pin male connector on the convertor cable to the serial port on the back of the computer. Refer to Figure 2 for cable connectors.

Note: If you do not wish for the SCS-105 to pickup incoming calls, call DMP Technical Support.

The serial port selected must be free from any other devices such as modems, mouse, or printers. You cannot use COM 1 if you are using COM 3 for another device. Also, you cannot use COM 2 if you are using COM 4 for another device. These COM ports have the same interrupt and cannot be used together.

Questions?
Contact DMP tech Support by phone (between 7 AM and 7 PM Central Time) or by email:
• 1-888-4DMPTEC (1-888-436-7832)
• 417-831-9362
• techsupport@dmp.com
**MULTIPLEX MODE**

To use the SCS-105 in multiplex mode with multiplex subscriber accounts, you must make some jumper adjustments on the inside of the receiver.

To configure the SCS-105 for multiplex mode:

1. Remove the two front panel screws
2. Slide the circuit board assembly out of the case and place on a non-static surface.
3. Set the jumpers J2 and J5 to MPX.
4. If installing the SCS-105 in a 4-wire multiplex system, set the jumpers J3 and J6 to 4W.
5. Once the jumpers have been set, slide the SCS-105 circuit board assembly into the case and install the two front panel screws.

Digital dialer mode must be set for 2-wire only: When changing the SCS-105 from multiplex to digital dialer, make sure jumpers J3 and J6 are set to 2W.

During the configuration of the SCS-105, the **ST** (Status) LED flashes at a faster rate to indicate programming of the receiver’s **EEPROM** memory. Do not remove the receiver’s power supply or reset the receiver during the programming.

**POWER UP**

Once you have configured the SCS-105 and connected the cables, you can apply power.

1. Insert the AC adaptor cord plug into the rear 12 VDC jack.
2. Plug the AC adaptor into a nearby unswitched 120 VAC outlet.

At power up, the SCS-105 conducts an initialization routine for about five seconds, after which the green status LED begins flashing at a rate of once each second. This indicates the receiver is operating normally.

**INITIALIZATION**

During initialization, the SCS-105 tests its outputs, speaker, and internal circuits.

- After initialization, the flashing green LED indicates normal operation.
- If the green LED does not flash, remove all the data cables connected to the SCS-105 except the AC cable and repeat the reset procedure.
- If the SCS-105 still does not function correctly, contact DMP Technical Support.

**Status LEDs**

The SCS-105 provides six status LEDs that allow you to monitor communication between the receiver and the subscriber’s panel.

<table>
<thead>
<tr>
<th>LED</th>
<th>Display</th>
<th>Definition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT</td>
<td>Line</td>
<td>Trouble</td>
<td>Indicates improper phone line voltage or faulty connections. If this LED is lit and you are experiencing trouble with a panel connection, check the phone line voltages.</td>
</tr>
<tr>
<td>OL</td>
<td>On</td>
<td>Line</td>
<td>Indicates the SCS-105 is in an off-hook condition.</td>
</tr>
<tr>
<td>CD</td>
<td>Carrier</td>
<td>Detect</td>
<td>Indicates the receiver detects the carrier tone from the panel.</td>
</tr>
<tr>
<td>RD</td>
<td>Receive</td>
<td>Data</td>
<td>Indicates the receiver is receiving data from the panel.</td>
</tr>
<tr>
<td>TD</td>
<td>Transmit</td>
<td>Data</td>
<td>Indicates the receiver is transmitting data to the panel.</td>
</tr>
<tr>
<td>ST</td>
<td>Status</td>
<td></td>
<td>Flashes when the receiver is operating normally. See <strong>Reset Button</strong> on page 3.</td>
</tr>
</tbody>
</table>
ADDITIONAL INFORMATION

Reset Button
During normal operation, the green status (ST) LED flashes about once every second. If the status LED either comes on steady or goes out completely the SCS-10S needs to be reset. Follow the steps below to reset the SCS-10S receiver:

1. Place the head of a small slotted screwdriver against the reset button.
2. Lightly press the reset button and hold for about two seconds before releasing.
3. Wait about five seconds for the SCS-10S initialization routine to end.

Baud Rate Setting
When using the SCS-10S with Remote Link or System Link, the Baud Rate in the software must be set to 9600 baud. You can set the Baud rate in Remote Link and System Link.

1. Select System > Configure > Remote Link (or System Link) > Receiver tab.
2. In the Baud Rate field, select 9600 from the drop-down menu.

Receiver Key Programming
The SCS-10S comes with a blank default receiver key. This allows you to perform remote operations as the service receiver. Make the default key unique to this SCS-10S to restrict unauthorized remote programming.

Note: For additional information, see the Remote Link User’s Guide (LT-0565) or System Link User’s Guide (LT-0570).

Answering Machine Bypass Function
If you are contacting a panel that has answering machine bypass capability, the SCS-10S turns on a carrier tone five seconds after it finishes dialing the account phone number. The carrier tone is on for approximately 90 seconds while the subscriber’s panel will pick up the phone line and communicate with the Remote Link or System Link computer.

Note: This requires SCS-10S firmware version 207 or higher.

Volume Control
You can adjust the volume control to listen to data transmissions between the SCS-10S and DMP panels.

- Set the volume control at about one sixth of a turn clockwise for normal listening levels,
- Turn the volume controller fully counterclockwise to mute the SCS-10S.

Adding a Telephone
You can connect a standard telephone to the rear TELEPHONE port of the SCS-10S to call and talk to a subscriber at the premises prior to any remote operations.

Digital Dialer Mode
The SCS-10S receiver comes configured for 2-wire digital dialer operation and no hardware adjustments are necessary.
### Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receiver does not operate when connected to Remote Link™ or System Link™ computer.</td>
<td>COM port conflict on computer</td>
<td>Make sure the other devices are not on the same interrupts or IRQs.</td>
</tr>
<tr>
<td></td>
<td>Baud rate is not properly set</td>
<td>Configure the Baud rate in Remote Link™ or System Link™ to 9600 Baud.</td>
</tr>
<tr>
<td></td>
<td>Bad cable connection</td>
<td>Check connections and the continuity of the conductors.</td>
</tr>
<tr>
<td></td>
<td>Bad data switcher</td>
<td>Bypass the data switch.</td>
</tr>
<tr>
<td></td>
<td>AC adaptor damaged</td>
<td>Always unplug AC adapter from AC outlet before removing the plug from the end of the receiver.</td>
</tr>
<tr>
<td></td>
<td>Incorrect Windows COM driver</td>
<td>Install correct COM driver from your Windows install disk.</td>
</tr>
<tr>
<td>Cannot connect with panel.</td>
<td>Jumper settings not correctly set</td>
<td>Open receiver case and check jumper settings.</td>
</tr>
<tr>
<td></td>
<td>Incorrect Account number</td>
<td>Double-check that the account number is correct.</td>
</tr>
<tr>
<td></td>
<td>Panel not programmed properly</td>
<td>In the panel Remote Options programming, be sure that the Alarm Receiver or Service Receiver is set to YES.</td>
</tr>
<tr>
<td>Telephone attached to TELEPHONE port does not work.</td>
<td>Receiver is on-line with a panel</td>
<td>Wait until the panel is finished communicating.</td>
</tr>
<tr>
<td></td>
<td>Receiver is unplugged</td>
<td>Be sure that all connections are good. Check the telco line connections and the AC connection.</td>
</tr>
</tbody>
</table>

### Specifications

**Operating Voltage**
- 12 VDC supplied by AC adaptor

**Operating Current**
- 200 mA maximum

**RS-232 Output**
- 9600 Baud

**Case Construction**
- Extruded aluminum with plastic ends

**Dimensions**
- 10.4” L x 5.5” W x 1.6” H

**Weight**
- 2 lbs.

### Accessories

- Remote Link™
- System Link™
- Command Center
- Alarm Monitoring
- 395 SCS-105 Data Cable
- Panel Programming Software
- End-User Panel Management Software
- Visual Command and Control Software
- Alarm Monitoring Software
- SCS-105 Data Cable