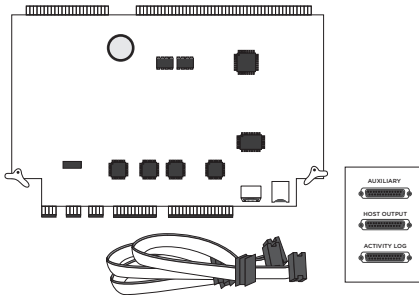


# SCS-150/CONVERT

## Installation Guide



### DESCRIPTION

The SCS-150 is the main system processor for the SCS-1R Security Control Receiver and controls the line cards, LCD display, data output to a host automation system, and printers. It also contains the receiver's software.

The SCS-150 can be programmed from the front panel, with Remote Link, or with a browser if compatible.

### Compatibility

- Remote Link programming: SCS-150 Version 101 and higher with Remote Link 1.45 or higher
- Browser programming: SCS-150 Version 101 and higher
- SCS-100 or SCS-104 Line Cards: Level E hardware, Version 200 and higher
- DMP's full line of SCS Line Cards and accessories

### What is Included?

- One SCS-150 Processor PCB
- One SCS-203 Convenience Panel
- One Set of Keypad and Line Card connection cables (SCS-206)



## OVERVIEW

To convert an SCS-1062 to an SCS-150, this guide walks you through these required steps:

1. Remove the SCS-1062.
2. Replace the SCS-202 with the SCS-203.
3. Install the SCS-150.

## 1 REMOVE THE SCS-1062

The SCS-1062 is the bottom PCB in the receiver lower rack.

1. Power down the receiver.
2. Disconnect all cables from the front of the SCS-1062 PCB, including line card and keypad cables.
3. Push the ejection levers on each side of the processor PCB.
4. Pull the SCS-1062 out of the receiver rack.

## 2 REPLACE SCS-202 WITH SCS-203

1. At the back of the receiver, remove the two screws that hold the SCS-202 Convenience Panel in place (the plate that contains two 25-pin serial ports).
2. Remove the SCS-202 and the two attached ribbon cables by pulling the cables under all of the components and out through the back of the receiver.
3. Route the three ribbon cables from the new SCS-203 Convenience Panel (the plate with three 25-pin serial ports) from the back of the receiver rack, below the components, along the bottom, and to the front of the receiver. These cables are labeled A1, A2, and A3.
4. Position the SCS-203 on the back panel and secure it with the two screws.

## OPTIONAL: CONFIGURE SCS-101 CARDS

If SCS-101 Network Line Cards are installed, set the jumpers on the SCS-101 card to Transmit Data (TXD) on pin #2 and Receive Data (RXD) on pin #3.

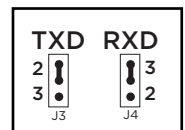


Figure 1: TXD/RXD Headers

# 3 INSTALL THE SCS-150

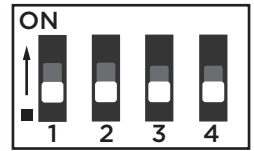
When installing the SCS-150 and connecting cables, refer to Figure 2, Figure 3, and Figure 4. When connecting cables, follow these guidelines:

- If the card is horizontal, connect with blue stripe (pin 1) right
- If the card is vertical, connect with blue stripe (pin 1) up

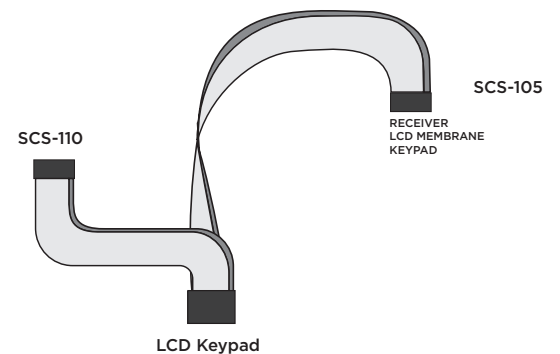


**Note:** Other versions of these ribbon cables may be rainbow colored with the light brown wire at pin 1.

1. Ensure the DIP switches on the SCS-150 are set to the off position for normal operation.
2. Connect the LCD cable to the LCD keypad board.
3. Connect the bottom cable from the LCD keypad connector to the SCS-150 RECEIVER LCD MEMBRANE KEYPAD header, then connect the top cable to the SCS-110 Modem Power Supply card.
4. Connect the cables labeled A1, A2, and A3 to the matching edge contacts on the SCS-150.
5. Slide the SCS-150, component side up, into the lowest position in the receiver rack. Ensure the edge contacts seat properly in the main board sockets, then press the board into place.
6. Connect the line card connector with ribbons 1 - 5 to the right line card edge contact with ribbon 1 on the right.
7. Connect the line card connector with ribbons 6 - 8 to the left line card edge contact with ribbon 6 to the right.
8. Install line cards, then connect additional wires or cables as needed, like Ethernet or line card cables.
9. Power up the SCS-1R.

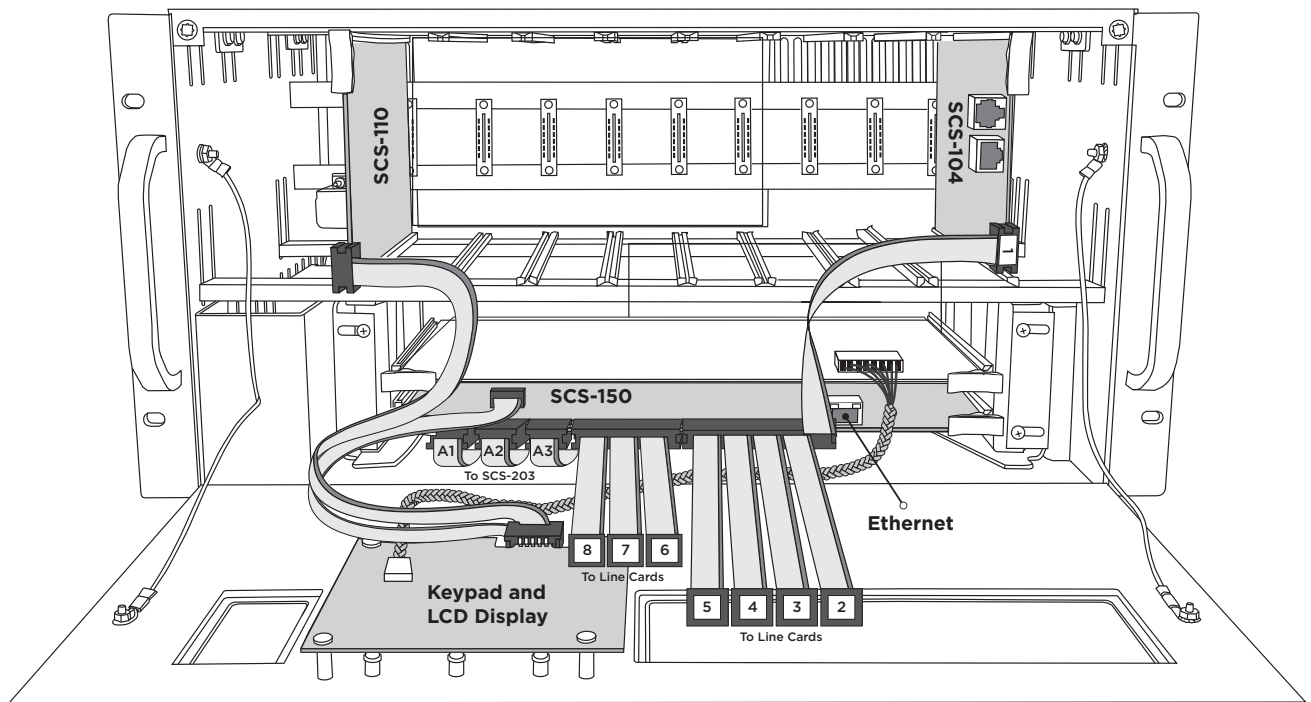


**Figure 2: All DIP Switches Off**



**Figure 3: LCD Cable Detail**

For full SCS-1R and SCS-150 installation and programming details, refer to [SCS-1R Installation Guide \(LT-1037\)](#).



**Figure 4: Full Wiring Detail**



Designed, engineered, and  
manufactured in Springfield, MO  
using U.S. and global components.

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