

Connectivity

2

Overview

This chapter contains information that describes the hardware components and connections used to connect a Intuity AUDIX LX system and serial or inband switches. This chapter includes:

- Configuration descriptions that explain each of the components required to establish a link
- Wiring diagrams that show the different hardware, physical connections, and cables used for connection



NOTE:

The numbers in the wiring diagrams do not show the order of connection. Follow the written instructions to make the connections. Refer to the Configuration Note for your switch integration.

Read the information in this chapter *before* you attempt to connect the components.

Purpose

The purpose of this chapter is to provide instructions to connect the Intuity AUDIX LX System, serial or inband switches, and adjuncts.

Intuity AUDIX LX System Connections for Inband Switches

Use the information and diagrams in this section to connect or verify the connections for the Intuity AUDIX LX system with an inband switch.



CAUTION:

See Voice Port Requirements and follow the carrier restrictions connecting cables to the inband Communications system.

Tip/Ring Connections

There are two ways to connect to Tip/Ring circuit cards:

- Use an 885A adapter to connect to RJ11C connections
- Connect to a type-104B connecting block

Connecting Tip/Ring Circuit Cards Using an RJ11C

Connect Tip/Ring circuit cards using an RC11C

- Make sure that the line pairs are run individually (RJ11C).

Connecting Serial Ports

The Intuity AUDIX LX system communicates with various devices through serial ports. Serial ports are required for:

- Switch administration
- The remote maintenance modem
- Customer administration terminals (optional)

The inband switch administration and the remote maintenance modem must be connected to specific ports. You may make any other connections to any available ports. The Intuity AUDIX LX system has two built-in ports, COM1 and COM2. COM2 is reserved for remote maintenance and can not support any other use.

- The preferred order of connection of the devices is:
 1. Remote maintenance modem
 2. Customer remote access terminals or modems (optional)

Optional customer access terminals can be collocated with the Intuity AUDIX LX system processor. These can be directly connected to the next available serial

port, or one or more modems can be connected to the next available serial ports for dial-in access.

Connecting Administration Ports Within 15 Meters (50 Feet), Same Power Outlet

Use this method only when the inband system and the Intuity AUDIX LX system are located within 15 meters (50 feet) of each other and share the same power outlet.

The following parts are required:

- DB-9S to DB-25P adapter
- 355AF adaptor
- D8W-87 modular cord

To connect the inband communications system admin port and the Intuity AUDIX LX system serial port 1 (COM1):

1. Connect one end of a D8W-87 modular cord to the Admin (lower) jack of the inband Communications System.
2. Connect the other end of the D8W-87 modular cord to a 355AF adapter.
3. Connect to the 355AF adapter to the 25-pin end of the DB-9S to DB-25P adapter and then connect the 9-pin end of that adapter to port COM1 (tty00).

Installing and Testing the Hardware

Use the following procedure:

- To configure the hardware when the Intuity AUDIX LX system and the switch are being connected directly
- When the Intuity AUDIX LX system is being connected to a customer-supplied modem

The procedure for installing and testing the hardware is as follows:

1. Attach the 4.3 meter (14 feet.) modular cable to the card.
2. Attach the other end of the modular cable to the DTE adapter.
3. Attach the DTE adapter (male connection) to the RS-232 minitester (female connection).



NOTE:

Do *not* connect the minitester to the customer equipment at this time.

4. Power on the Intuity AUDIX LX system.

⇒ NOTE:

The system must be powered on to use the RS-232 minitester.

5. Ensure that the following LEDs on the minitester are green:

- DTR (data terminal ready)
- RTS (request to send)
- TD (transmit data)
- DSR (data set ready)

6. Leave the minitester connected to the cable.

⇒ NOTE:

The minitester can be left in-line with the customer equipment.

The remaining connections are the customer's responsibility.

- The connection may require punching, depending upon the service provider's requirements.
- A customer-supplied gender changer may be required to connect to the customer equipment.
- If the customer equipment is DTE (data terminal equipment), a customer-supplied null modem cable is required. If the customer equipment is DCE (data communications equipment), the connection can be made directly to the Avaya-supplied RS-232 DTE adapter (or the RS-232 minitester, if it is left in-line).

— DCE Comcode 407050111

— DTE Comcode 407050095

Pinouts

Use the pinout connections shown in [Figure 2-1](#) as a reference if needed when configuring or testing DTE and DCE devices.

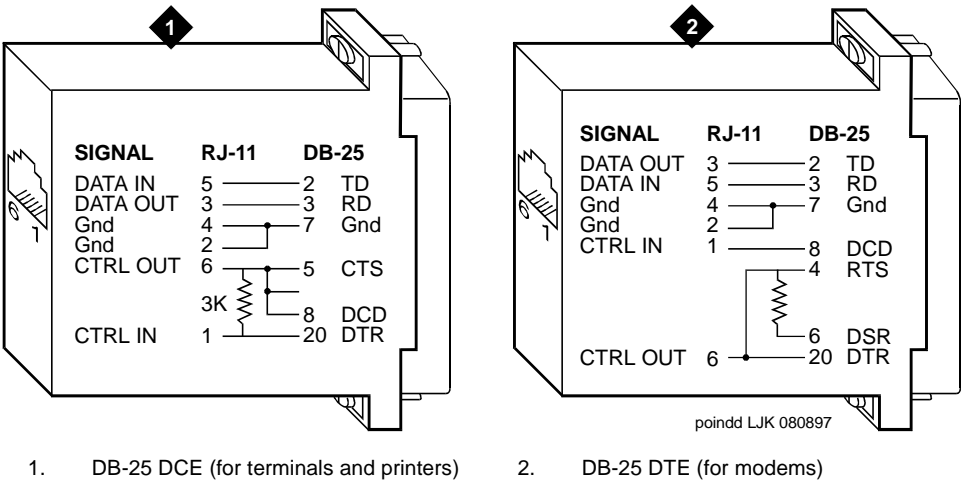


Figure 2-1. Pinout Connections for DTE and DCE Devices

