



Installing the Cisco DVB CAR100

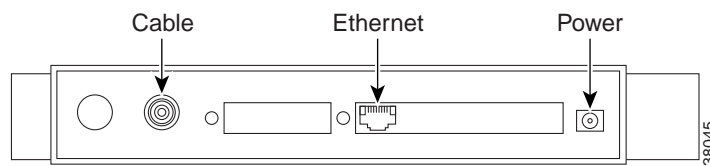
This chapter explains the procedures for installing the Cisco DVB CAR100 cable access router. The chapter contains the following sections:

- Connecting the CATV Coaxial Cable
 - Connecting to a Bidirectional CATV Wall Outlet
 - Connecting to an Unprepared CATV Wall Outlet
- Connecting the Ethernet cable
 - Connecting to a Single Computer
 - Connecting to Multiple Computers
- Connecting the Power Supply

Connecting the Cables

Figure 3-1 shows the locations for connecting all cables to the rear panel connectors of the Cisco DVB CAR100.

Figure 3-1 Rear Connector Locations on the Cisco DVB CAR100



Connecting the CATV Coaxial Cable

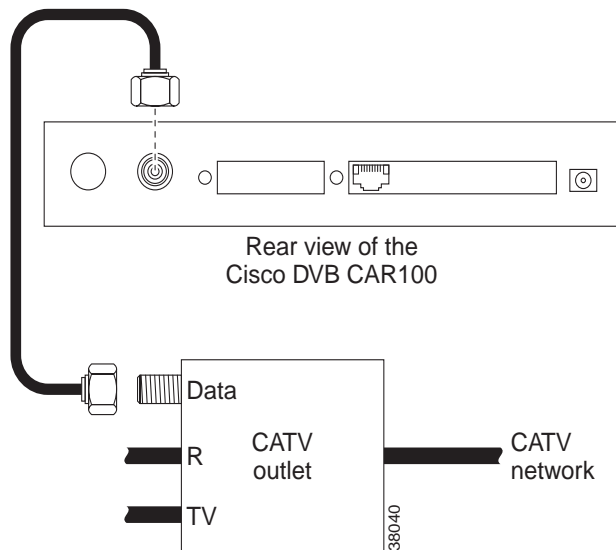
If your CATV wall socket is prepared for bi-directional transmission, proceed to the next section: **Connecting to a Bidirectional CATV Wall Outlet**. If your CATV wall socket has NOT been prepared for bi-directional transmission, proceed to **Connecting to an Unprepared CATV Wall Outlet** below.

Connecting to a Bidirectional CATV Wall Outlet

Connect the CATV wall outlet to the Cisco DVB CAR100 using a shielded coaxial cable.

- Connect the CATV wall outlet to the socket labeled **Cable** on the rear of the Cisco DVB CAR100 as shown in Figure 3-3.

Figure 3-2 Connecting to a Bidirectional CATV Wall Outlet



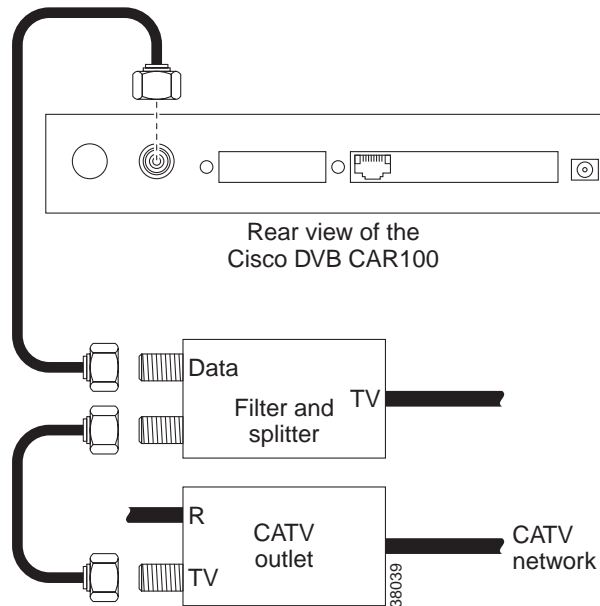
Connecting to an Unprepared CATV Wall Outlet

If your wall outlet is NOT prepared for bidirectional transmission, you will need an extra length of shielded coaxial cable, plus a filter and a splitter (not included).

Connect the CATV wall outlet to the filter and splitter using a shielded coaxial cable.

- Connect the filter and splitter to the socket labelled **Cable** on the rear of the Cisco DVB CAR100 using a second coaxial cable as shown in Figure 3-3.

Figure 3-3 Connecting to an Unprepared CATV Wall Outlet



Connecting the Ethernet cable

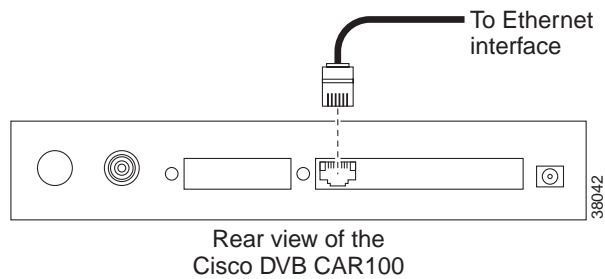
If you have the DVB CAR100-PC proceed to the “Connecting to a Single Computer” section on page 3-4. If you have the Cisco DVB CAR100-LAN and are connecting to an Ethernet hub or an existing LAN network, proceed to the “Connecting to Multiple Computers” section on page 3-5.

Connecting to a Single Computer

Connect the Cisco DVB CAR100-PC to the single computer, using a **crossover** Ethernet cable (Class 5, shielded, RJ-45).

- Connect the socket labeled **Ethernet** on the rear of the Cisco DVB CAR100 as shown in Figure 3-4.

Figure 3-4 Connecting the Cisco DVB CAR100 to a Single Computer



- Connect the other end of the cable to the computer's Ethernet network adapter.



Tips

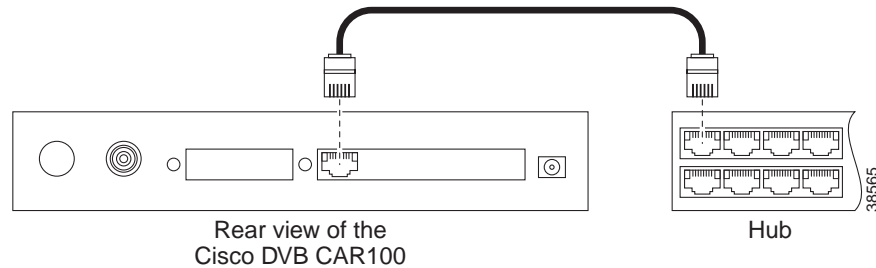
The Ethernet port is located on the back of the computer if an internal Ethernet card is installed. On a laptop computer, the Ethernet port is usually located on an adapter cable connected to a PCMCIA (PC) card installed in the computer's PCMCIA slot. If you need additional information to locate the Ethernet port on the computer, consult the user documentation for the computer.

Connecting to Multiple Computers

Connect the DVB CAR100-LAN to multiple computers, using a **straight-through** Ethernet cable (Class 5, shielded, RJ-45) and an Ethernet hub.

- Connect the socket labeled **Ethernet** on the rear of the Cisco DVB CAR100-LAN to the hub's Ethernet network adapter as shown in Figure 3-5.

Figure 3-5 Connecting the Cisco DVB CAR100-LAN to a Hub



Connecting the Computers to the Ethernet Hub

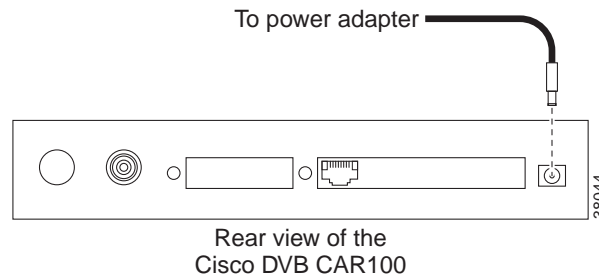
Connect the computers to the Ethernet hub according to the hub manufacturer's instructions. Consult the user documentation supplied with your Ethernet hub in order to install and configure it correctly.

Connecting the Power Supply

To connect the power supply to the Cisco DVB CAR100:

- Connect the power supply unit to the socket labeled **Power** on the rear of the Cisco DVB CAR100 as shown in Figure 3-6.

Figure 3-6 Connecting the Power Supply



- Connect the other end of the power supply unit to the electrical wall socket. This completes the installation of the Cisco DVB CAR100 cable access router.