

Quick Start Card



**Cisco uBR925
 Cable Access Router
 Subscriber Setup**

This Quick Start card describes how to connect the Cisco uBR925 Cable Access Router to the cable TV (CATV) network, one or two telephone devices, and one or more PCs. For complete details, including mounting options as well as warnings, safety, and regulatory information, see the *Cisco uBR925 Hardware Installation Guide*.

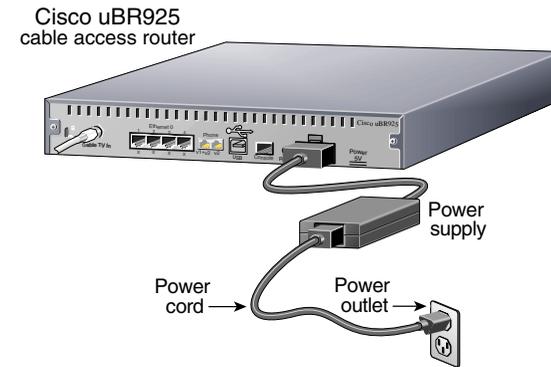
1 Connect Cables

This section describes how to connect the power, coaxial cable, telephone, Ethernet, and USB cables to the Cisco uBR925 router.

A Connect Power

- Step 1** Connect the eight-pin plug on the provided black power supply to the eight-pin power connector on the Cable Access Router's rear panel. Push the plug into the connector until it locks securely.
- Step 2** Connect the plug end of the power cord into the other end of the power supply.
- Step 3** Connect the prong end of the power cord to an AC power outlet. The Cable Access Router powers on immediately when you connect it to the power outlet.
- Step 4** Power on the other devices (computers, telephones) that you plan to connect to the Cisco uBR925 Cable Access Router.

Figure 1 Connecting the Power Cable



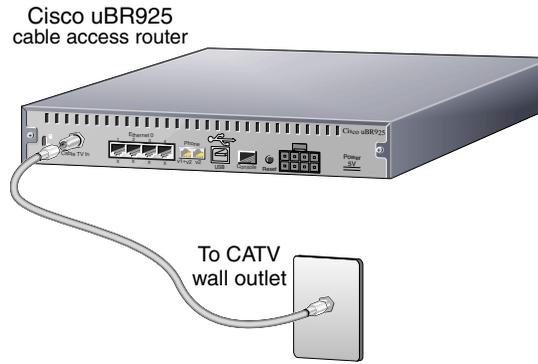
B Connect to the Cable Network

To connect the Cable Access Router to the cable network, use a quality coaxial cable (such as RG-59). If you want to use the same cable outlet for both cable TV and data network services, contact your service provider for information on whether installing a cable splitter is possible.

- Step 1** Locate the coaxial cable TV wall outlet.
- Step 2** Connect one end of the coaxial cable to the cable TV wall outlet.

- Step 3** Connect the other end of the coaxial cable to the connector labeled **Cable TV In** on the Cable Access Router's rear panel.

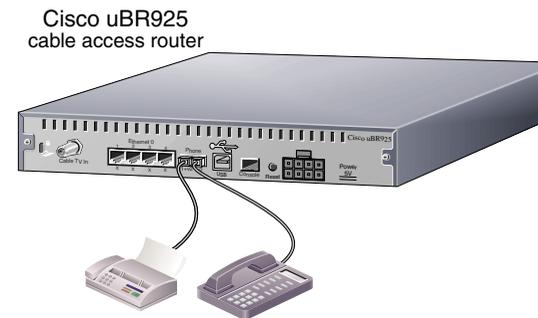
Figure 2 Connecting to the Cable Network



C Connect to Telephones/FAX

- Step 1** Connect one end of a four-wire telephone cable to a voice port on the Cable Access Router's rear panel.
- Step 2** Connect the other end of this cable to the analog telephone, modem, or FAX device that has been assigned to this voice port.
- Step 3** Repeat these steps for a second analog telephone, modem, or FAX device.

Figure 3 Connecting to Telephones/FAX

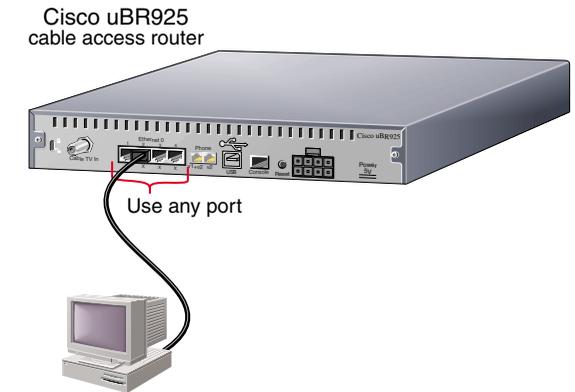


Note A single-line telephone can be connected to either voice port. A two-line telephone can be connected only to the first (V1+V2) voice port.

D Connect to Your PC (Ethernet)

To connect the Cisco uBR925 Cable Access Router to one PC through the Ethernet port, use the yellow Ethernet cable supplied with the unit.

Figure 4 Connecting to the Ethernet



- Step 1** Connect one end of the Ethernet cable into any of the four Ethernet ports on the Cable Access Router's rear panel.
- Step 2** Connect the other end of this cable to the Ethernet port on the PC.
- Step 3** Repeat to connect as many as four PCs, using straight-through Ethernet cables.

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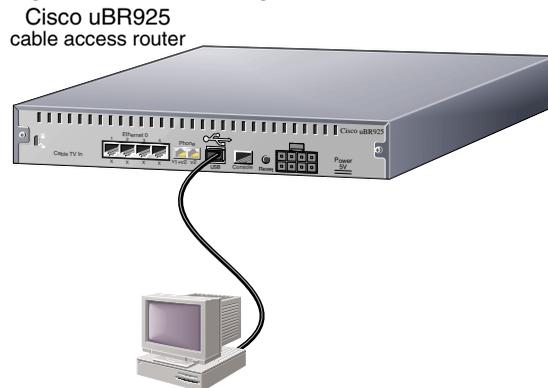
Note If supported by your service provider, you can also connect an Ethernet hub to the Ethernet port on the Cable Access Router (using a crossover cable), and then connect additional Ethernet devices to the hub (using straight-through cables).

E Connect to Your PC (USB)

To connect the Cisco uBR925 Cable Access Router to one PC through the USB port, you need to purchase a host-to-device (type “A” to type “B” connectors, maximum length 5 meters) USB cable. If using a USB hub with your PC, verify that the hub is properly installed before continuing.

- Step 1** Plug the broad, flat plug (the type “A” end) of the USB cable into the USB port on your PC (or hub).
- Step 2** Plug the other, rectangular end of the USB cable (the type “B” end) into the USB port on the rear panel of the Cable Access Router.
- Step 3** Windows automatically detects installation of a new USB device and begins its software installation process. Insert the Cisco Cable CPE USB Driver CD (provided with the unit) in the PC’s CD-ROM drive and follow the prompts.

Figure 5 Connecting the USB Port



2 Initialize the Cable Access Router

When the Cisco uBR925 Cable Access Router is connected and powered on, it performs a series of self-tests and then automatically configures itself for the cable network.

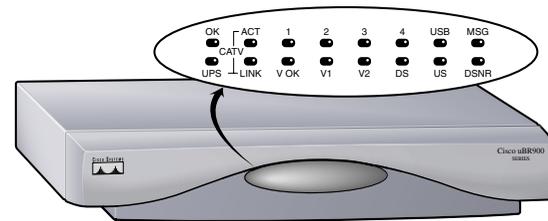
At the start of initialization, the LEDs on the Cable Access Router light briefly, then turn off. The following events occur during initialization:

1. Various LEDs come on during the self-test to display progress and error codes.
2. The OK LED blinks as the Cable Access Router loads the Cisco IOS software.
3. After the Cisco IOS software loads, the Cable Access Router registers with the service provider and begins network communications.
4. After the Cable Access Router comes online, the OK LED turns on solid.

LED Descriptions

After initialization, the LEDs light, as shown in the following table, to indicate that the Cable Access Router is operational.

Figure 6 LED Descriptions



LED	Function
OK	On = System OK Off = No power
1, 2, 3, 4	On = Ethernet cable connected and link up Blink = Activity Off = Link down

LED	Function
USB	On = USB cable connected, link up Blink = Activity Off = Link down
CATV ACT	Blink = Coaxial cable activity Off = No activity
CATV LINK	On = Coaxial cable connected, link up Blink = Establishing link Off = Link down
V OK ¹	On = VOIP ² system enabled and operating OK Off = VOIP not enabled or system problem
V1 ¹	On = Call in progress (voice port 1) Off = No call
V2 ¹	On = Call in progress (voice port 2) Off = No call
DS ³	On = Locked to DS channel Off = Not locked to DS channel
US ⁴	On = Upstream communication with the CATV headend Off = Secondary ranging not completed
DSNR ⁵	On = Receiving good DS signal Off = Receiving poor DS signal
MSG	Defined by service provider
UPS	Reserved for future use

1. LEDs are operational only when the Cable Access Router is enabled to carry voice traffic.
2. VOIP = Voice over IP
3. DS = Downstream
4. US = Upstream
5. DSNR = Downstream Signal-to-Noise Ratio

3 Verify the Installation

A Check the LEDs

Check the LEDs on your Cable Access Router to verify that it is properly connected:

- If the OK LED does not stay on, check the power and cable connections. If using a splitter, remove it and connect the Cable Access Router directly to the wall outlet.
- If the Ethernet or USB LED does not remain on, check that the cable from that interface to the PC is properly connected and that the PC is powered on.

B Connect to a Web Site

To verify Internet connectivity, start the web browser software on your PC and connect to a web site of your choice, or try the Cisco.com web site:

<http://www.cisco.com>

If you can access a web page, your installation is successful. If you cannot access a web page, check for the following possible causes:

- Check all cable connections, especially the Ethernet, USB, and coaxial cable connections.
- If using an Ethernet hub, disconnect all devices and directly connect only one PC to the Cable Access Router to simplify troubleshooting.
- If using Ethernet connectivity, verify that the PC is configured according to the instructions from your service provider. In most cases, you will configure the PC to obtain its IP address automatically from the cable network. (On Windows 95/98 PCs, choose the **Start>Settings>Control Panel** menu, open **Network**, click on the **TCP/IP** selection for your Ethernet adapter, and click **Properties**.)
- If using USB connectivity, verify that you have installed the USB software driver by opening the **Network Control Panel**, and verifying that a driver has been installed for the Cable Access Router. Also verify that a TCP/IP selection exists for the USB interface.
- If the PC is configured correctly, reboot it to force it to obtain a new IP address from the cable network.

If the above steps do not help, see the additional troubleshooting steps in the *Cisco uBR925 Cable Access Router User Guide*. If you still cannot get a connection, contact your service provider for assistance.