Quick Start

CISCO uBR924
CABLE ACCESS ROUTER
SUBSCRIBER SETUP

1

Connect the
Cable Access Router

A Connect to the Cable TV Network

Cisco uBR924
Cable Access Router

To CATV wall outlet

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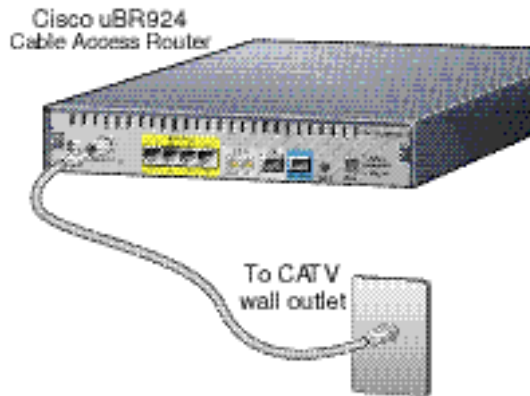
1. Locate the cable TV (CATV) wall outlet.

2. Connect one end of the CATV cable into the CATV wall outlet.

3. Connect the other end of the CATV cable to the connector with the label Cable TV In, on the cable access router's rear panel.

### B Connect to Your PC

Cisco uBR924

Use any port
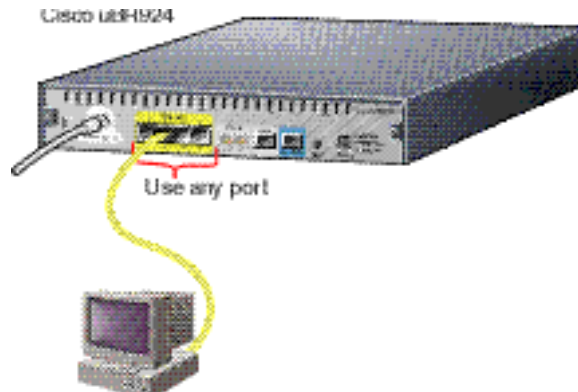
Note: All four Ethernet ports are identical.

1. Connect one end of the Ethernet cable (provided by your service provider) into one of the four yellow Ethernet ports (labeled 1, 2, 3, and 4), on the cable access router's rear panel.

2. Connect the other end of this cable to the Ethernet port on a PC.

3. Repeat Step 1 and Step 2 for each additional PC. The cable access router contains four Ethernet ports to connect directly to four PCs.

Note: Your cable service provider determines the number of devices that you can connect to the cable access router, based on your service agreement and the operating modes. The Cisco uBR924 supports high-speed data and packetized voice services based on the software loaded.


C Connect to Your Telephone or Fax Device*

Use either port
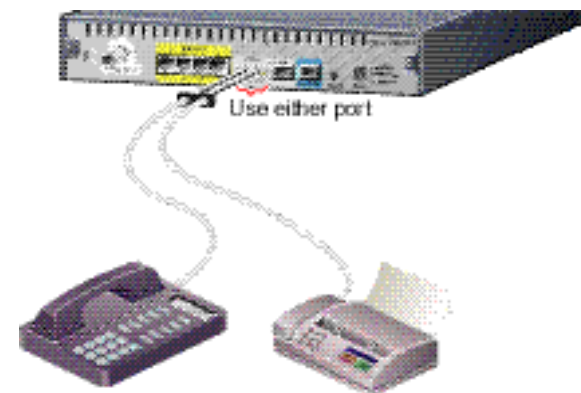
1. Connect one end of a standard telephone cable (an RJ-11—not provided) into one of the two Phone ports (labeled V1+V2 and V2), on the cable access router's rear panel.

2. Connect the other end of this cable to the telephone (which must have a push button dial set) or fax line port.

3. Repeat Step 1 and Step 2 for a second one-line telephone or external fax device.

Note: A two-line telephone can only be connected to the first Phone port (V1+V2). In this case, do not connect another device to the second port (V2).

D Connect Power

To PCs

Power supply

Power cord

Power outlet

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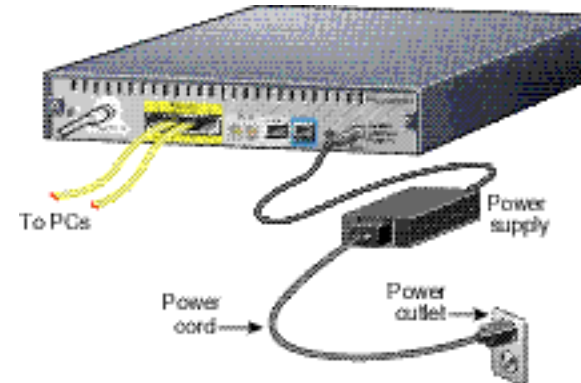
1. Connect the provided black power supply to the black power connector on the cable access router's rear panel.

2. Connect one end of the power cord to the power supply and the other end of the power cord to a grounded AC power outlet. The cable access router powers on after you connect it to the power outlet.

3. If your computer power cable is not already connected to a grounded AC power outlet, connect it now.

4. Power on all other equipment and wait for the devices to complete startup.

E Optional—Connect to a Standard Telephone Line*

To RJ-11 phone wall jack
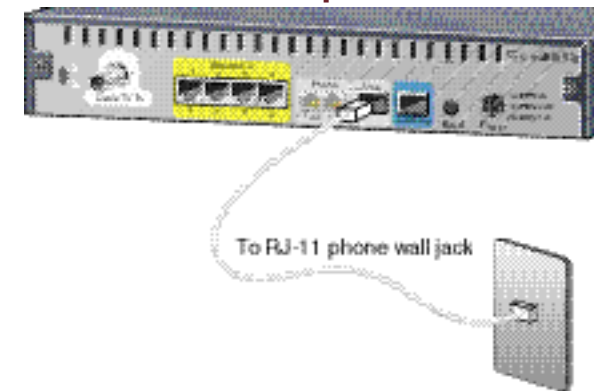
If the Cisco uBR924 cable access router loses power while Voice over IP calls are in progress and the cable access router has a backup connection to the public telephone company, you can reestablish one of the two connections.

Note: Calls in progess prior to the power outage will be disconnected.

*For cable access routers enabled for voice.

1 Connect one end of a standard telephone cable (an RJ-11—not provided) into the Line port on the cable access router's rear panel.

2 Connect the other end of this cable to the telephone wall jack.

❷
Initialize the
Cable Access Router

When the cable access router is connected and powered on, it executes an automatic installation procedure and self-diagnostics.

At the start of initialization, most of the LEDs (lights) on the cable access router light briefly, then turn off. The following events occur during initialization:

1 Various LEDs light during the self-test to display progress and error codes.

2 The OK LED starts to blink as the cable access router completes self-test.

3 The cable access router initializes, establishes communication with the service provider network, and is then ready for use.

After initialization, the OK LED goes on to indicate the system is operational. Additionally, the LINK, DS, US, and DSNR LEDs go on to indicate the cable access router is operational.

LED Descriptions

LED	Description	Function
OK	System status	On = System OK Off = No power
ACT	Cable activity	Blink = Cable activity Off = No activity
1,2,3, or 4	Ethernet 1,2,3, or 4	On = Link up Blink = Activity Off = Link down
MSG	Message	Reserved
LINK	Cable link	On = Link up Blink = Establishing link to service provider Off = Link down
V OK[1]	Voice system status	On = VoIP[2] system OK Off = VoIP system problem
V1[1]	Voice port 1	On = Call in progress Off = No call
V2[1]	Voice port 2	On = Call in progress Off = No call
DS	Downstream LED	On = Locked to downstream channel Off = Not locked to downstream channel
US	Upstream LED	On = Upstream communication with the CATV headend Off = Secondary ranging not completed
DSNR	Downstream signal-to-noise ratio LED	On = Receiving good downstream signal Off = Receiving low downstream signal

1. Operational only when cable access router is enabled to carry voice traffic.
2. VoIP = Voice over IP.

❸
Verify the
Cable Access Router
Installation

A Check the LEDs

Check the LEDs on your cable access router to make sure that it is properly connected:

- If the OK LED does not stay on, check the power connections.

- If the LINK, DS, US, and DSNR LEDs do not stay on, contact your service provider.

- If the appropriate Ethernet LEDs (1, 2, 3, 4) do not blink or stay on when data transmits from the PCs, check the Ethernet cable connection for each PC connected to the cable access router.

- If the appropriate Voice port LED (V1 or V2) does not go on when a call is initiated for cable access routers enabled for voice, check the telephone or fax connection.

B Connect to a Web Site

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

http://www.cisco.com

C Make a Telephone Call or Send a Fax

To verify Voice over IP telephone or fax connectivity, dial a number to make a telephone call or follow instructions from your fax device documentation to send a fax. The appropriate Voice port LED (V1 or V2) goes on when the call is in progress.

If you can access a web page, make a telephone call, or send a fax, your cable access router installation is now complete.

If you cannot access a web page, make a telephone call, or send a fax, repeat the appropriate steps in this quick start. If you still cannot get a connection, contact your cable service provider for assistance.

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