Cisco WRP500 Wireless-AC Broadband Router with 2 Phone Ports Quick Start Guide

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Package Contents

- Cisco Wireless-AC Broadband Router with 2 Phone Ports
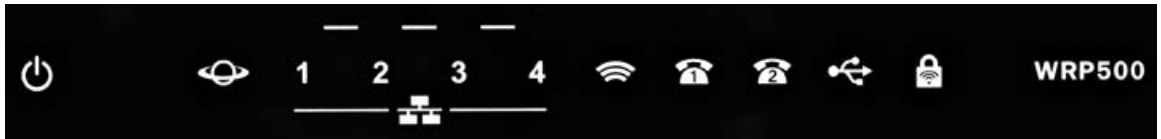- Power Adapter
- Ethernet Network Cable

Welcome

Thank you for choosing the Cisco WRP500 Wireless-AC Broadband Router. The Cisco WRP500 is a networking solution that combines telephone, wireless, and wired capabilities.

This guide describes how to physically install your Cisco WRP500 and how to set up a basic configuration.

Get to Know the Cisco WRP500

Front Panel

	Power: The LED shines steady green and stays on while the router is powered on. **Self-diagnostic test:** During boot-up, the Power LED flashes green to indicate that the self-diagnostic test is in progress. When the test is complete, the LED shines steady green.
	Internet (Green): This LED shines steadily when an Internet connection is made through the Internet port. The LED flashes to indicate network activity over the Internet port.
	Ethernet 1-4 (Green): Each LED shines steadily to show that a device is connected through the corresponding port. The LED flashes to indicate network activity over that port.

📶	**Wireless (Green):** The LED shines steadily when the wireless feature is enabled. The LED flashes when the router is actively sending or receiving data over the wireless network.
☎ ☎	**Phones 1-2 (Green):** The LED shines steadily when an active line is registered to the corresponding phone port. The LED flashes slowly when voicemail messages are waiting.
⚡	**Mobile network connection:** If a compatible USB modem is installed, the mobile network connection is used as a failover when an Ethernet connection is unavailable. The Power LED indicates the status of the mobile network connection: • **Steady Green:** The mobile network connection is not in use. • **Flashing Green:** The WRP500 is attempting to connect to the internet through the mobile network connection. For information about compatible USB devices, see http://www.cisco.com/c/en/us/products/unified-communications/wrp500-wireless-ac-broadband-router-2-phone-ports/index.html
🔒	**Wi-Fi Protected Setup (Green):** The LED shines steady green while wireless security is enabled. The LED is off when Wi-Fi Protected Setup is disabled.

Back Panel

	Reset: To restore the router's factory defaults, press and hold the Reset button for approximately ten seconds.
	Phone 2, Phone 1: Use these ports to connect standard analog telephones to the router.
	LAN 1, 2, 3, 4: Use these Ethernet ports to connect the router to wired computers and other Ethernet network devices.

	WAN: Use this port to connect the WRP500 to a cable or DSL internet connection.
	Power: Use the power button to turn power on and off.
	12VDC port: Use the 12VDC port to connect the power adapter.

Top Panel

	Wi-Fi Protected Setup: This button is used to configure wireless security automatically for client devices that support Wi-Fi Protected Setup.

Right Side Panel

	USB port: For information about compatible USB devices, see http://www.cisco.com/c/en/us/products/unified-communications/wrp500-wireless-ac-broadband-router-2-phone-ports/index.html
	Kensington security slot: Secure the router by attaching a lock-and-cable apparatus.

Install the Cisco WRP500

You can place the Cisco WRP500 on a desktop or mount it on a wall.

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Caution   To prevent the WRP500 from overheating, do not operate it in an area that exceeds an ambient temperature of 104°F (40°C).

Desktop Placement

The WRP500 has four rubber feet on the bottom panel. Place the WRP500 on a level surface near an electrical outlet.

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Warning   **Do not place anything on top of the WRP500; excessive weight could damage it.**

Wall Mounting

The WRP500 has two wall-mount slots on the bottom panel. To mount the WRP500 on a wall, you need mounting hardware (not included). Suggested hardware is illustrated (not true to scale).

Recommended hardware (not included): Two number-six pan-head tapping screws, 5/8-in. (15.8-mm) length, with anchors for sheet rock installation.
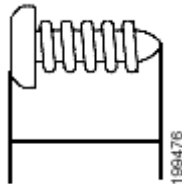
5/8 in. (15.8 mm)

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Warning   **Insecure mounting might damage the WRP500 or cause injury. Cisco is not responsible for damages incurred by insecure wall mounting.**

To mount the unit on the wall:

Step 1   Determine where you want to mount the unit. Verify that the surface is smooth, flat, dry, and sturdy.

Step 2 Drill two pilot holes into the surface 100 mm apart (about 3.94 in.). Take care to ensure that the WRP500 will be level and secure in either of its two safety-certified orientations.

Step 3 Insert a screw into each hole, leaving a gap of 5.5 mm (0.217 in.) between the underside of each screw head and the surface of the wall.
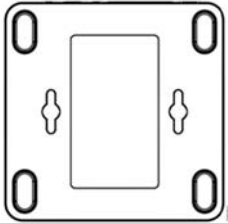
Step 4 Place the unit wall-mount slots over the screws and slide the unit down until the screws fit snugly into the wall-mount slots.

Connect and Configure the Cisco WRP500

Connect the Cisco WRP500

This section discusses how to enable Cisco WRP500 web access, by which the user can configure the device through a web GUI.

Procedures assume that a user has these items:

- Cisco WRP500 with factory default settings
- PC with Ethernet network adapter

Step 1 Connect a PC to one of the Cisco WRP500 LAN ports.

Step 2 The PC receives an IP address that the Cisco WRP500 publishes by LAN.

Note Generally, the IP address is in 192.168.15.xxx format, and WRP500 IP address is **192.168.15.1**.

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Note If the network to which the WRP500 WAN port connects specifies 192.168.15.xxx, the WRP500 uses a different network in its LAN ports, such as 192.168.16.xxx.

Step 3 Check the PC address to confirm the network.

Example: a.b.c.xxx and IP address of WRP500 in LAN is a.b.c.1.

Subsequent steps assume that the WRP500 IP address is 192.168.15.1.

Log In to the Cisco WRP500

Use a network browser to access the WRP500 IP address.

Default account and password: admin/admin

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Note You cannot access the device through the WAN port by default.

Change the Admin Password

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Note You must first change the default admin password before you can access the device web GUI through the WAN interface.

Step 1 From the GUI, click the **Administration** tab.

Step 2 In the left pane, click **Settings > User List.**

Step 3 In the right pane, find the **admin** line and click the pencil icon.

Step 4 For the **admin** user account, change the password.

Step 5 Click the **Submit** button.

Enable Remote Management

Enabling remote management is not mandatory, but it is generally the first step, because remote management makes configuration more convenient.

If the Cisco WRP500 has the IP address of the WAN interface, any host that can reach the IP address of the WRP500 WAN port can explore information and perform configuration by accessing the WRP500 through the web GUI.

Use IVR code 110 to obtain the WAN port address.

Step 1   From the GUI, click the **Administration** tab.

Step 2   Click **Web Access Management.**

Step 3   In the right pane, Remote Access, change the settings as follows:

Remote Management: Enabled

Remote Management Port: 80

Step 4   Click **Submit.**

This step enables web access for the WRP500 through the WAN interface.

Configure the WAN Connection

Step 1   From the GUI, click the **Interface Setup** tab.

Step 2   Click **WAN > Interface Setup**.

Step 3   In the **Internet Setup** pane on the right, the WAN Interface List pane shows all the VLAN configurations of the WAN port.

Step 4   Click the plus icon to add a VLAN on the WAN port.

Note   The default WAN interface with VLAN ID 0 indicates a network with no tags.

Step 5   Click the pencil icon to edit an existing VLAN.

Step 6   Click the line to show information about an existing VLAN.

Suggested Next Steps

Upgrade the Firmware

Step 1   To download the latest firmware, go to this Software Downloads page on Cisco.com:
http://www.cisco.com/c/en/us/support/unified-communications/small-business-voice-gateways-ata/tsd-products-support-general-information.html

Note   This site requires a login. If you do not have a Cisco.com account, you can register for free.

Step 2   Click the **Download Software** link. Follow the steps on the screen to download the latest release.

Step 3   Log in as administrator.

Step 4   Click **Administration > Firmware Upgrade**.

Step 5   Click **Choose file** to find the firmware file, and then click **Upgrade**.

Install a Mobile Broadband USB Modem

Step 1   Make sure that your mobile broadband USB modem is compatible with the Cisco WRP500. To view a current list of compatible mobile broadband USB modems, visit the Cisco WRP500 product page on Cisco.com:
http://www.cisco.com/c/en/us/products/unified-communications/small-business-voice-gateways-ata/index.html

Step 2   Make sure that your mobile broadband USB modem is activated with a data service, and verify that it can be used on your computer.

Step 3   Connect a compatible USB modem into the USB port of the WRP500.

The USB LED on the front of the WRP500 indicates the progress of the mobile connection. When the WRP500 is connected to the internet through the mobile network connection, the USB LED shines steady green; otherwise, the LED flashes.

By default, the WRP500 connects to the internet through wired Ethernet. The mobile network connection may be configured as a failover connection when the Ethernet connection is unavailable.

Note   To check the status of the USB modem; or to modify the settings for the mobile network, connection recovery, and failover, you can use the administration web server.

Note   Voice quality over the mobile network cannot be guaranteed.

Where to Go From Here

Support	
Cisco Small Business Support Community	www.cisco.com/go/smallbizsupport
Online Technical Support and Downloads (Login Required)	www.cisco.com/support
Small Business Support Center (SBSC) Phone Support Contacts	www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html
Cisco Small Business Support and Resources	www.cisco.com/go/smallbizhelp
Cisco Small Business Firmware Downloads	www.cisco.com/go/software
Product Documentation	
Product Documentation for Cisco Small Business Voice Gateways and ATAs	http://www.cisco.com/c/en/us/support/unified-communications/small-business-voice-gateways-ata/tsd-products-support-series-home.html
Cisco Small Business	
Cisco Partner Central for Small Business (Partner Login Required)	www.cisco.com/web/partners/sell/smb
Cisco Small Business Home	www.cisco.com/smb