QUICK INSTALL GUIDE

AV Series Multi-WAN Gigabit Router
ABR-4400

Includes:

▸ One: ABR-4400 AV Series Multi-WAN Gigabit Router

▸ Two: Rack Mounting Ears

▸ Four: Rubber Feet

▸ One: Power Cord

LUXUL™

SETUP AND CONFIGURATION

1 Physical Installation

The ABR-4400 can be rack-mounted or used as a desktop router. Install the ABR-4400 in a stable/safe place to avoid any possible damage. Make sure there is adequate space around the ABR-4400 for ventilation and proper heat dissipation. Avoid placement in direct sunlight. Do not place heavy articles on the ABR-4400 and verify the ground connection of the outlet is functioning properly.

Desktop/Shelf Installation

For desktop/shelf installation, attach the four rubber feet to the corner indentations on the bottom of the ABR-4400, then place the router on a solid, level platform.

Rack Installation

Use the included L brackets for convenient installation in a 19-inch server or AV rack. As shown below, use four screws to attach the L-shaped brackets on either sides of the ABR-4400, and mount the switch horizontally in the rack. Use your desired hardware to affix the router supports to the rack.

Install Brackets for Rack-Mounting

Attach Feet for Desktop Installation

❷ Connecting Ethernet and Power

Before installing the ABR-4400, test the Internet connection to verify that it is functioning properly. Once Internet access is confirmed to be working, follow the steps below for installation and configuration.

Connecting Ethernet

Luxul recommends Category-5, super Category-5 or Category-6 unshielded twisted pair (CAT5/CAT5e/CAT6 UTP). To ensure best performance and stable data transmission at 1000 Mbps, use Category-6 shielded twisted pair.

1. **Connect the WAN:** Connect the Internet cable from a telco/ISP modem/router to the dedicated WAN 1 port on the ABR-4400.

2. **Connect the LAN:** Connect a cable from the dedicated LAN 1 port on the ABR-4400 to a switch, access point, or computer.

For best performance, and to maximize available ports, Luxul recommends connecting all LAN devices to a Luxul switch, then connecting that switch to the ABR-4400 LAN port via a single Ethernet cable.

> ✅ **NOTE:** *WAN 1 and LAN 1-4 are configured by default. The ABR-4400 must be configured to provide additional WAN ports.*

> ✅ **NOTE:** *Connect all LAN devices to a Luxul switch, then connect that switch to the ABR-4400 for best results.*

Connecting Power

Use the included power cable to connect the ABR-4400 to a surge-protected outlet. The AC input socket and power switch are on the rear panel. The built-in power supply supports 100~240VAC at 50/60Hz.

❸ Access and Setup

Default IP Address

The ABR-4400's default IP address is 192.168.0.1. This can be modified, however, we recommend you retain the default IP address if possible for hassle-free installation of other Luxul products.

> ✅ **NOTE:** *In the event another device on your network shares the 192.168.0.1 address, you'll need to temporarily reassign or remove that device while you configure the ABR-4400.*

Connecting a Client Device

Connect a client device to one of the ABR-4400 LAN ports or to a switch that is connected to an ABR-4400 LAN port. The DHCP server on the ABR-4400 is configured by default. If your client device is set to obtain an address automatically, no further configuration is required and you may skip to the next step, **Logging In.**

If your computer is not configured to obtain an address automatically, you'll need to configure it manually to connect to the ABR-4400's 192.168.0.x network. To do so, set the IP address of your computer to an address in the 192.168.0.X range, then set the Gateway/Router address to 192.168.0.1 (the default IP address of the ABR-4400), and proceed with configuration.

Once you're finished configuring the switch, you can return your computer's IP configuration to normal, typically "Obtain Automatically/DHCP."

> ✅ **Note:** *Visit http://luxul.com/ip-addressing to learn more about changing your computer's IP address and getting connected.*

Logging In

To access the ABR-4400 web configuration, open your web browser and enter the router's default 192.168.0.1 IP address in the address field. Log in to the router using the default user name and password:

Default IP: 192.168.0.1
Username: admin
Password: admin

Select the menu items on the left to view and/or modify the configuration. For information on configuring the ABR-4400 and routers in general, review the Support Resources at luxul.com.

4 Hardware Operation

The front panel of the ABR-4400 features Power, System and USB LEDs, and port status indicators for each of the router's five built-in ports.

The rear panel of the ABR-4400 features five RJ-45 Ethernet ports: A single dedicated WAN port, a dedicated LAN port, and three more ports which can be configured as either WAN or LAN ports. Using the dedicated WAN port along with all three shared WAN/LAN ports, the ABR-4400 can be connected to up to four independent Internet connections simultaneously.

The rear panel also features a power switch and socket, recessed Reset button, and a switch for selecting blue or green front-panel LED colors to match other equipment in an audio/video rack. There is also a USB port to support future expandability.

Front Panel

Back Panel

Reset Button

The Reset button (located on the rear panel) can be used to reset (reboot) the switch, or to restore the switch factory default settings.

▶ **To Reset the Router:** With the ABR-4400 powered on, press and release the Reset button.

⚠ **CAUTION:** *Do not hold the button for more than a second. Doing so could erase all settings and restore factory defaults.*

▶ **To Restore the Default Settings:** With the ABR-4400 powered on, press and hold the Reset button for 15 seconds, then release the button. The switch automatically restores factory default settings. A factory reset may take approximately a minute to complete. A successful factory reset is indicated by all of the port LEDs flashing once. When the System LED begins to flash, the unit is ready.

⚠ **CAUTION:** *Restoring default settings will remove any/all custom configuration.*

LED Indicators

Indicator	State	Description
POWER	On	ABR-4400 is powered and switched on.
SYSTEM	Flashing	ABR-4400 is functioning.
	On	ABR-4400 is booting.
	Off	ABR-4400 is not functioning correctly.
USB	On	A USB device is connected.
WAN/ LAN Front	Top Row On	10/100 Mbps device connected.
	Bottom Row On	1000 Mbps device connected.
	Flashing	Data packets are being transferred.
WAN/ LAN Rear	Yellow On	10/100 Mbps device connected.
	Green On	1000 Mbps device connected.
	Flashing	Data packets are being transferred.

LEGAL AND REGULATORY INFORMATION

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Hereby, Luxul, 14203 Minuteman Drive, Suite 201, Draper, Utah, 84020, declares that this Luxul ABR-4400 is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC.

For a copy of this report send a self addressed stamped envelope to: Luxul CE, 14203 Minuteman Drive, Suite 201, Draper, Utah, 84020.

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Sales
P: 801-822-5450
E: sales@luxul.com

Technical Support
P: 801-822-5450 Option 3
E: support@luxul.com

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