



Verizon
Wi-Fi 7
Access
Point
**User
Guide**





Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC regulations restrict the operation of this device to indoor use only.

No direct internet connection permitted.

Limited to Indoor use by low-power indoor access point associations.

Modules not permitted.

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 31 cm between the radiator and your body.

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.



Important Notice

The user is responsible for determining whether surfaces and installation environments are appropriate. Please remember that many factors influence installation safety. Please follow the user manual. Materials, flatness, cleanliness of surfaces, humidity, wind speed, time and many other factors can affect the adhesiveness and fixedness of this product. Verizon does not guarantee the product can be fixed and will not fall. Given the variety of factors that can affect the adhesion and fixedness, it is essential that the user evaluates the conditions of surfaces and the environment to determine whether they are suitable for installation.

Disclaimer

To The Maximum Extent Permitted By Applicable Law, Verizon Makes No Other Warranties, Either Express, Implied Or Statutory. Verizon Disclaims Any Liability Caused By Any User'S Non-Compliance With The User Manual.

Safety Warnings

Adapter

Do not use any other power adapter except for the one that accompanies this unit or a power adapter identified in the list below.

Use of another adapter could result in damage to the unit.

The following power adapter is qualified for use with this Verizon Wi-Fi 7 Access Point:

This unit must be powered by LUCENT TRANS, model 1A98-1250; 12V, 5A, 60W.

Caution

Ensure to connect the power cord of the power adapter to a socket outlet with a grounding connection.

The cable distribution system should be grounded (earthed) in accordance with ANS/NFPA 70, the National Electrical Code (NEC), Article 820, Section 820.93, Grounding of Outer Conductive Shield of a Coaxial Cable.

WARNING: The intra-building port(s) (list the port or ports) of the equipment or subassembly is suitable for connection to intra-building or unexposed wiring or cabling only.

The intra-building port(s) of the equipment or subassembly **MUST NOT** be metallically connected to interfaces that connect to the OSP or its wiring for more than 6 meters (approximately 20 feet). These interfaces are designed for use as intra-building interfaces only (Type 2, 4, or 4a ports as described in GR-1089) and require isolation from the exposed OSP cabling. The addition of Primary Protectors is not sufficient protection to connect these interfaces metallically to an OSP wiring system.

WARNING: The intra-building ports of the equipment or subassembly are suitable for connection to intra-building or unexposed wiring or cabling only. The intra-building port(s) of the equipment or subassembly **MUST NOT** be metallically connected to interfaces that connect to the OSP or its wiring. These interfaces are designed for use as intra-building interfaces only (Type 4 or 4a ports as described in GR-1089) and require isolation from the

exposed OSP cabling. The addition of Primary Protectors is not sufficient protection to connect these interfaces metallicity to OSP wiring.

WARNING: The intra-building port(s) (list the port or ports) of the equipment or subassembly must use shielded intra-building cabling/wiring that is grounded at both ends.

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INTRODUCTION

- 1.0** Unboxing Information
- 1.1** Product Overview
- 1.2** LED and Audio Behavior

The Wi-Fi 7 Access Point provides superior Wi-Fi performance with tri-band support and low latency to support gaming and VR use cases.

Wi-Fi 7 features larger wireless bandwidth, more efficient spectrum usage, and faster single-device connection speeds. It meets the demands of customers who require end-to-end multi-gig connection services.

1.0 / Unboxing Information

Inside the product package for the Wi-Fi 7 Access Point, you should find the following items:

Power adapter × 1



Ethernet cable × 1

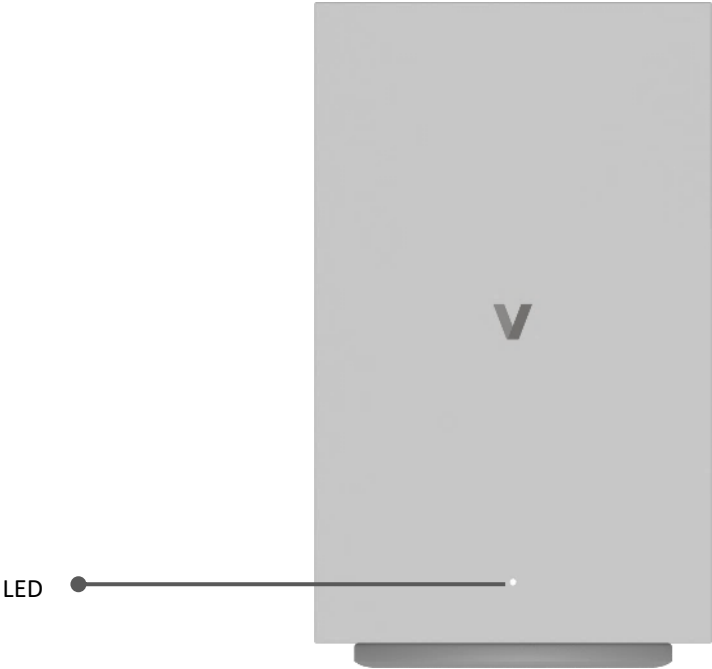


Wi-Fi 7 Access Point × 1



1.1 / Product Overview

Front

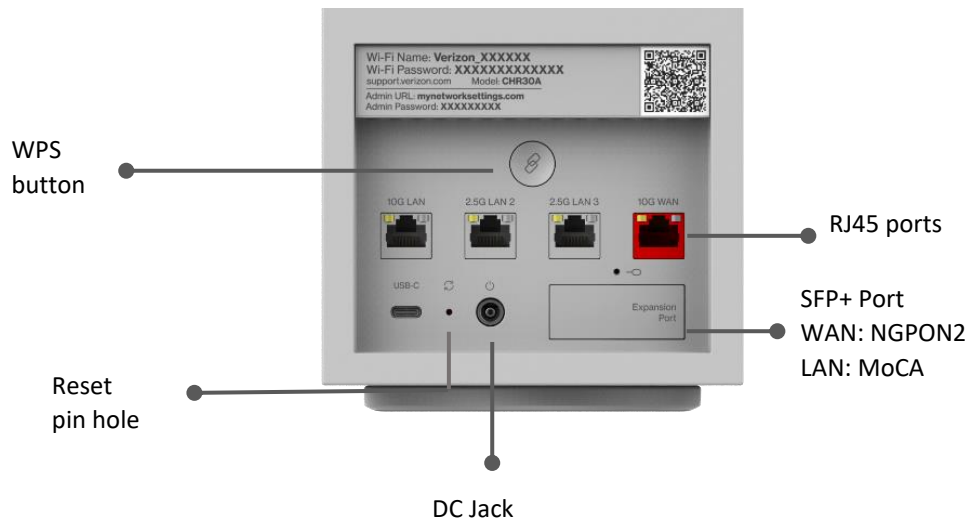


Bottom



Part	Description
LED	The LED lights up in different ways to indicate the connectivity status of the Wi-Fi 7 Access Point

Rear panel



Part	Description
WPS button	Press this button once to connect the Wi-Fi 7 Access Point to a Wi-Fi Extender or other devices via WPS. After the pairing is successful, the LED light will stop blinking blue.
RJ45 ports	Connect the Wi-Fi 7 Access Point to a PC or switch via an Ethernet cable.
Reset pin hole	Factory reset the device by pressing the pin hole for 5 seconds.
DC jack	Connect the power adapter to the DC jack to provide power to the Wi-Fi 7 Access Point from an electrical outlet.
SFP+	WAN: NGPON2, LAN: MoCA2.5

1.2 / LED and Audio Behavior

1.2a/ System Status LED Definition

Mode	Device in Router mode	Device in Extender mode
Booting up	Soft blinking white	Soft blinking white
Working as intended (setup complete)	Solid white	Solid white
Sign of life	50% brightness solid white	50% brightness solid white
Overheating	Fast blinking red	Fast blinking red
Hardware/System failure, provisioning failure	Hard blinking red	Hard blinking red
No Internet connectivity	Solid amber	Solid amber
Backend support staff triggerable status	Hard blinking green	Hard blinking green
Before firmware reboot	Fast blinking white	Fast blinking white

1.2b/ Wi-Fi Connectivity LED Definition

Mode	Device in Router mode	Device in Extender mode
Wi-Fi active	50% brightness solid white	50% brightness solid white
Wi-Fi disabled	Solid green	Solid green

1.2c/ Pairing LED Definition

Mode	Device in Router mode	Device in Extender mode
DPP in progress on Extender (Touchless or QR)	Hard blinking blue	Hard blinking blue
DPP success	Revert to system status	Revert to system status
DPP failed	NA (solid white)	Solid amber
WPS button is pressed on the router and WPS begins	Hard blinking blue	See system status
WPS button is pressed on the extender and WPS begins	See system status	Hard blinking blue

1.2d/ MoCA Expansion Module LED Definition

Mode	EXP LED	MGMT LED
No SFP inserted (empty cage)	Off	Off
SFP bootup (SFP inserted and waiting for bootup to complete)	Soft blinking green	Off
Inactive COAX connection (coax cable not connected to MoCA port or end device)	Solid yellow	Off
COAX connection established (coax cable connected to end device and there is active data transmission)	Solid green*	Off
MoCA hardware/system failure, provisioning failure	Solid red	Off

*Note: If a COAX connection has been established, the Wi-Fi 7 Access Point's LED will be solid white. For other modes, please see system status.

1.2e/ ONT Expansion Module LED Definition

Mode	EXP LED	MGMT LED
No SFP inserted (empty cage)	Off	Off
Loading / SFP bootup (SFP inserted and waiting for bootup to complete)	Soft blinking green	Off
Network fiber issue / Fiber cable not plugged in	Solid yellow	See system status

Network connection established between fiber and ONT	Solid green	See system status
EXP hardware/system failure	Solid red	See system status
ONT is UP	See system status	Solid green
Firmware updating	See system status	Soft blinking green
Not connected to OLT	See system status	Solid red
Ready to Use	Solid green	Solid green

*Note: If the ONT expansion module is in Ready to Use mode, the Wi-Fi 7 Access Point’s LED will be solid white. For other modes, please see system status.

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SETUP AND ACTIVATION

- 2.0** Installation, Activation, and Setup
- 2.1** Setting up the Access Point
- 2.2** NGPON2/MoCA Module
Installation
- 2.3** WPS Connection

2.0 / Installation, Activation, and Setup

This section describes how to set up and configure your Wi-Fi 7 Access Point.

2.1 / Setting up the Access Point

1. Unbox the Wi-Fi 7 Access Point, AC adapter, and Ethernet cable.
2. Attach the power cord to the AC adapter.
3. Plug the power cord into the power port on the back of the Wi-Fi 7 Access Point.
4. Plug the power adapter into an AC wall outlet.

2.2 / NGPON2/MoCA Module Installation

1. Push Expansion Port Cap inwards on the right side.



2. Make sure the power adapter is properly connected (refer to steps 2 to 4 in section 2.1).



3. Insert NGPON2/MoCA expansion module.



2.3 / WPS Connection

WPS can be used to pair your Wi-Fi 7 Access Point to other devices by following these steps:

1. Press the WPS button on your Wi-Fi 7 Access Point.
2. Press the WPS button on the device with which you want to pair your Wi-Fi 7 Access Point, making sure the device is within range of the Wi-Fi 7 Access Point.
3. The Wi-Fi 7 Access Point will play a sound to indicate pairing is successful.

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SPECIFICATIONS

Model Number	• CHR30A
Product Name	• Wi-Fi 7 Access Point
Wi-Fi	• 2.4 GHz 802.11ax 4×4 MIMO • 5 GHz 802.11ax 4×4 MIMO • 6 GHz 802.11ax 4×4 MIMO • Backward compatible with 11ac/11n/11b/11be
Memory	• 2 GB DDR4 RAM × 2
Storage	• 32 GB eMMC
Dimensions	• 130 × 130 × 220 mm
Weight	• 1.6 kg
Connector	• DC Jack × 1 • 10 GbE Ethernet × 1 (WAN) • 10 GbE Ethernet × 1 (LAN) • 2.5 GbE Ethernet × 2 (LAN) • SFP+ × 1 (WAN: NGPON2, LAN: MoCA 2.5) • USB Type C 3.0 × 1
Button	• Sync button × 1 • Reset button × 1
Certification	• FCC • UL • NEBS • Wi-Fi Alliance
Operating Temperature	• 0 °C–40 °C (32 °F–104 °F)

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TROUBLESHOOTING

Note: The advanced settings should only be configured by experienced network technicians to avoid adversely affecting the operation of your Wi-Fi 7 Access Point and your local network.

IF YOU ARE UNABLE TO CONNECT TO THE INTERNET

- The first thing to check is whether your Wi-Fi 7 Access Point is powered on and is connected to the internet. Check the Status LED on the front of the Wi-Fi 7 Access Point. Be sure to refer to the “1.1~1.2” on page 9 to page 12 to determine status of the Wi-Fi 7 Access Point.
- If the prior tips do not resolve your connection issue, try power cycling the Wi-Fi 7 Access Point by unplugging the power cord from the power supply and wait 2 minutes. During the 2 min. wait period, also power cycle the network device (e.g. the computer, tablet, etc.) and then plug the power cable back into the Wi-Fi 7 Access Point. After 3-5 minutes, recheck the Status LED and try again to access the internet.
- If rebooting your Router does not resolve your connection issue, try resetting the Wi-Fi 7 Access Point back to its factory default state by manually pressing the reset button on the rear panel of the Wi-Fi 7 Access Point for 5 seconds (the Status LED should go off) to begin resetting your Wi-Fi 7 Access Point. Your Router will perform a factory reset and return the Gateway to default settings. The Wi-Fi 7 Access Point will return to service in 3-5 minutes depending on your network connection. Check Status LED and if it is solid white, try again to access the internet.