



January 2020
R01



Wi-Fi 6 Cable Gateway

CM4652442-MM

QUICK START GUIDE

Package Contents:
1 Docsis 3.1 Wi-Fi 6 Voice Gateway
1 RJ-45 Ethernet Cable
1 Power Adapter
Quick Installation Guide



RJ-45



**Power
Adapter**

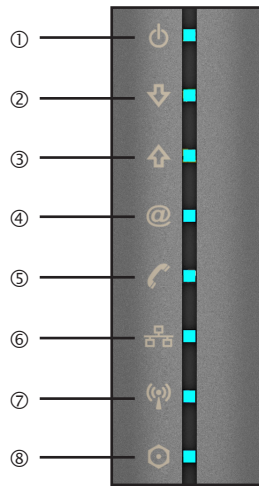
Device Overview

The Wi-Fi 6 Cable Gateway supports both MoCA 2.1 and DOCSIS 3.0/3.1 for broadband data transfer to an existing coaxial cable system. With the channel bonding connectivity, the Gateway allows for the aggregation of multiple downstream and upstream channels and brings up to 5 Gbps for download speed and 1 Gbps for upload speed.

The Gateway is also compliant with the IEEE 802.11ax specification while maintaining full backwards compatibility with the 802.11ac/a/b/g/n standards. IEEE 802.11ax is the new addition of the IEEE 802.11 standards, running at dual-band of 2.4 GHz and 5 GHz band types, as well as co-existing with the 802.11ac/11n network. It delivers wide bandwidth of up to 160 MHz, and reliable high data rates of up to 4.8 Gbps.

The Wi-Fi 6 Cable Gateway supports four wired gigabit LAN ports, one F-type coax WAN port, one FXS RJ-11 port for telephony, and 802.11ax dual-band wireless capabilities. It provides high speed transmission rate for data/voice/video triple-play services. The Wi-Fi 6 Cable Gateway delivers sufficient bandwidth to stream HD video, listen to digital music, play online games, transfer large files, voice service, and surf the Internet simultaneously.

LED Indication



① Power

On Blue	Flashing Blue	Off
Receiving power	System initializing	Power off

② Downstream

On Blue	Flashing Blue
Downstream channel has been locked.	Scanning for a downstream channel connection

③ Upstream

On Blue	Flashing Blue
Upstream channel has been locked.	Scanning for an upstream channel connection

④ Online

On Blue	On Green
WAN connection is in DOCSIS 3.1 mode.	WAN connection is in DOCSIS 3.0 mode.

Flashing	Off
Synchronizing with termination system of your ISP (Internet service provider), and waiting for IP assignment from DHCP server	No WAN connection

⑤ Voice

On Blue	Flashing Blue	Off
EMTA (Embedded Multimedia Terminal Adapter) link has been established.	Phone call ongoing, a phone has been picked up to dial, or there is an incoming call.	No voice-over-cable link

⑥ LAN (Front Panel)

On Blue	Flashing Blue	Off
Ethernet LAN connection has been established.	Sending or receiving data on any LAN port of the device.	No LAN connection

(Rear Panel)

On Green	Flashing Green	Off
Ethernet LAN connection has been established.	The indicated LAN port is sending or receiving data..	No LAN connection on the indicated LAN port.

⑦ Wireless

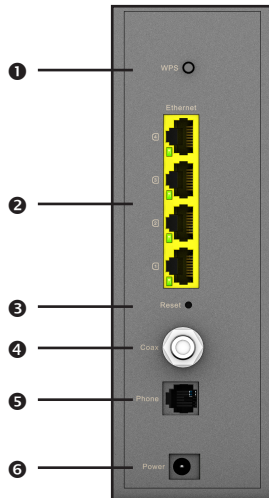
On Blue	Flashing Blue
Wireless link has been established.	Data is being transmitted via wireless network.

Slow Flashing	Off
WPS mode in process	No wireless link

⑧ MoCA (Multimedia over Coax Alliance)

On Blue	Flashing Blue	Off
Coaxial connection has been established and working properly.	Sending or receiving network traffic via coaxial link	No MoCA link

Device Connectors



- ❶ WPS Button - Press this button for at least 4 seconds when activating the WPS function.
- ❷ Ethernet LAN Ports - Gigabit Ethernet ports (RJ-45). Connect network devices on your local area network to these ports.
- ❸ Reset Button
 - Pressing this button less than 5 seconds brings up a reboot to the Gateway.
 - Pressing the button over 5 seconds restores the Gateway to the default factory settings.
- ❹ Coax Port - Connect the coax line to this port.
- ❺ Phone Port - Connect the telephone line to this port (RJ-11).
- ❻ Power Inlet - Connect the included power adapter to this inlet.

Hardware Installation

Installation Precaution



Comply with the following guidelines for a safe use of your product:

- Avoid installing this product during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not try to disassemble and/or reassemble this device. Tempering the device might void the product warranty.
- When mounting or cleaning the device, be sure to unplug the power cord from the device.
- Keep your hands dry when handling the device to avoid the possible electrical shock.

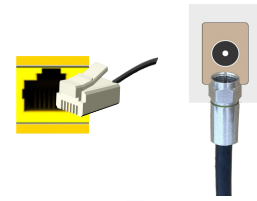
Choose a Location

- Appropriate safe and solid location which can sustain the device even in strong wind.
- Do not place the device in high humidity environments.
- For best RF performance, be sure to position this device at the highest possible location for getting the strongest signal strength from a base station.

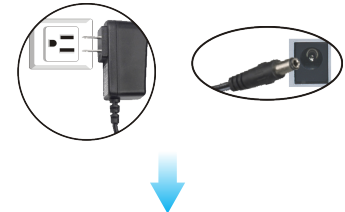
Network Connectivity

Step 1 -

- a. Connect one end of the provided Ethernet cable into any of the four LAN ports on the Wi-Fi 6 Cable Gateway. Then insert the other end of the cable into the Ethernet port of your PC or other Ethernet network device.
- b. Use a coax cable to connect the coaxial port of the Gateway to a cable wall outlet.



Step 2 - Plug the power adapter into the power socket on the rear of the Wi-Fi 6 Cable Gateway, and the other end into a power outlet.



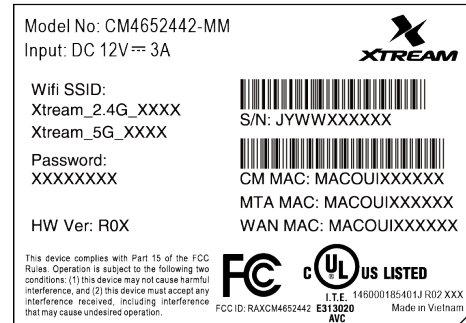
Step 3 - Wireless Link: On the Windows desktop, click Start/ Settings/Network & Internet.

The Network status window

will open. Click Wi-Fi on the left menu bar of the screen, to browse the available wireless networks. Choose Wi-Fi 6 Cable Gateway from the list and click Connect button to start using the wireless network.



NOTE: Be sure all of the clients use the same values on your wireless network. (Default SSID: Wireless) The SSID is the name of your wireless network. It is used to distinguish your wireless network from other wireless network.



The SSID and password was printed at the bottom of the Gateway.

System Requirements

To install and connect to the Wi-Fi 6 Cable Gateway, you must have:

- Broadband Internet service and modem/gateway with coax or Ethernet connection.
- 2.4/5 GHz 802.11ax/ac/a/b/g/n wireless adapter installed on each PC. Alternatively an Ethernet adapter can be used.
- Windows 7 or later, or Mac OS 10 or later.
- An up to date web browser: Internet Explorer 5.5 or later, Google Chrome, or Mozilla 1.7/Firefox 1.0 or later.

Software Installation

Configuring Client PC

After completing the hardware setup by connecting all your network devices, you need to configure your computer to connect to the Wi-Fi 6 Cable Gateway.

To access the Internet through the Wi-Fi 6 Cable Gateway, you must configure the network settings of the computers in your LAN to use the same IP subnet as the gateway. The default IP settings for the Wi-Fi 6 Cable Gateway are:

- IP address: 192.168.0.1
- Subnet mask: 255.255.255.0

Windows 7

1. On the Windows desktop, click Start/Control Panel/Network and Internet/View network status and tasks.
2. The Network and Sharing Center window will open. Click Local Area Connection in the View your active networks field of the screen.
3. On the connection status screen, click Properties.
4. Double-click Internet Protocol Version 6/Version 4 (TCP/IPv6/v4).
5. If Obtain an IP(v6) address automatically and Obtain DNS server address automatically are selected, your computer is already configured for DHCP. If not, select the options.

Windows 8

1. On the Windows desktop, click Start/Desktop.
2. Right-click the Ethernet icon on the task bar, then select Open Network and Sharing Center.
3. The Network and Sharing Center window will open. Click Ethernet in the View your active networks field of the screen.
4. On the Ethernet Status screen, click Properties.
5. Double-click Internet Protocol Version 6/Version 4 (TCP/IPv6/v4).
6. If Obtain an IP(v6) address automatically and Obtain DNS server address automatically are selected, your computer is already configured for DHCP. If not, select the options.

Windows 10

1. On the Windows desktop, click Start/Settings/Network & Internet.
2. The Network status window will open. Click Ethernet on the left menu bar of the screen.
3. Click Open Network and Sharing Center.
4. Double-click the Ethernet connection for this device.
5. On the connection status screen, click Properties.
6. Double-click Internet Protocol Version 6/Version 4 (TCP/IPv6/v4).
7. If Obtain an IP(v6) address automatically and Obtain DNS server address automatically are already selected, your computer is already configured for DHCP. If not, select the options.

Obtain IP Settings from Your Wireless Wi-Fi 6 Cable Gateway

Now that you have configured your computer to connect to your gateway, it needs to obtain new network settings. By releasing old DHCP IP settings and renewing them with settings from your Wi-Fi 6 Cable Gateway, you can verify that you have configured your computer correctly.

1. On the Windows desktop, click Start/Programs/Accessories/Command Prompt.
2. In the Command Prompt window, type `ipconfig /release` and press the Enter key.
3. Type `ipconfig /renew` and press the Enter key. Verify that your IP Address is now 192.168.0.xxx, your Subnet Mask is 255.255.255.0 and your Default Gateway is 192.168.0.1. These values confirm that your Wireless Wi-Fi 6 Cable Gateway is functioning correctly.
4. Type `exit` and press the Enter key to close the Command Prompt window.

Manual TCP/IP Settings

1. Follow steps 1-5 in “Windows 7” on page 3.
2. Select Use the following IP Address.
3. Enter an IP address based on the default network 192.168.0.x (where x is between 2 and 254), and use 255.255.255.0 for the subnet mask. Use 192.168.0.1 for the Default gateway field.
4. Select Use the following DNS server addresses.
5. Enter the IP address for the Wi-Fi 6 Cable Gateway in the Preferred DNS server field. This automatically relays DNS requests to the DNS server(s) provided by your ISP. Otherwise, add a specific DNS server into the Alternate DNS Server field and click OK to close the dialogue boxes.

Record the configured information in the following table.

TCP/IP Configuration Setting

IP Address _____._____._____._____

Subnet Mask _____._____._____._____

Preferred DNS Server _____._____._____._____

Alternate DNS Server _____._____._____._____

Default Gateway _____._____._____._____

Macintosh Computer

You may find that the instructions here do not exactly match your operating system. This is because these steps and screen shots were created using Mac OS 10.2. Mac OS 7.x and above are similar, but may not be identical to Mac OS 10.2.

Follow these instructions:

1. Pull down the Apple Menu . Click System Preferences.
2. Double-click the Network icon in the Systems Preferences window.
3. If Using DHCP Server is selected in the Configure field, your computer is already configured for DHCP. If not, select this option. Your new settings are shown in the TCP/IP tab. Verify that your IP Address is now 192.168.0.xxx, your Subnet Mask is 255.255.255.0 and your Default Gateway is 192.168.0.1. These values confirm that your Wireless Wi-Fi 6 Cable Gateway is functioning.
4. Close the Network window.

Now your computer is configured to connect to the Wi-Fi 6 Cable Gateway.