

# UBC1319AA00

DOCSIS 3.0

Wireless eMTA



## Quick Installation Guide



### ● SAFETY NOTICES

**Grounding the Device:** Install the cable modem to include grounding the coaxial cable to the earth as close as practical to the building entrance per ANSI/NFPA 70 and the National Electrical Code (NEC, in particular, Section 820.93, Grounding of the Outer Conductive Shield of a Coaxial Cable). The device is designed for IT power systems with phase-to-phase voltage at 120V.

This unit requires a 100-240V, 50/60Hz power adapter. The power adapter must be keyed for proper polarization, and must be fully inserted to contact the back of the power connector port to ensure snug connection. Do NOT use any other power adapter.

**Disconnecting the Device:** If the cable modem becomes damaged or encounters some other abnormality, disconnect the power plug from the AC wall outlet immediately.

**Temperature and Altitude:** Install the device in a location not to exceed the maximum temperature of 104°F (40°C). Regular operating altitude is 2000 m, and maximum operating altitude is 4500 m.

### ● PREPARING FOR INSTALLATION

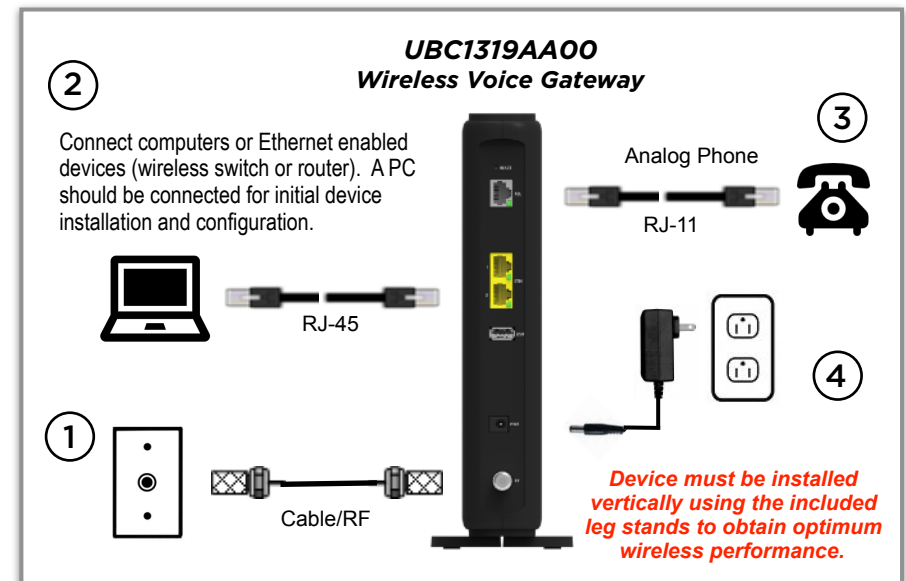
- ✓ Locate the RF (coaxial) cable connector on the wall.
- ✓ Verify the power outlet is working and is wired correctly.
- ✓ Place your cable modem within a proper distance from the outlet.

### ● INSTALLING THE UBC1319AA00

1. Connect the included leg stands to the bottom of the device to enable the modem to be installed vertically. Connect the coaxial cable (not supplied) to the **RF** (cable) connector on the rear panel of the modem and connect the other end to the cable wall outlet. Do not bend or over tighten the cable, as this may strain the connector and cause damage.

To connect a modem and a television to the same wall outlet, you must use a cable line splitter (not included).

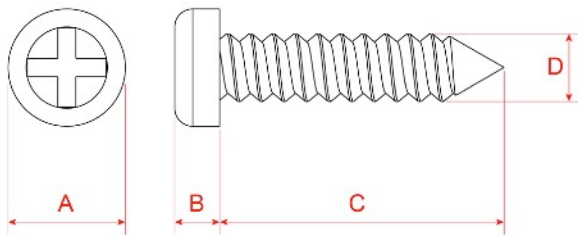
2. Connect an Ethernet cable (supplied) to one of the **ETH** (Ethernet) port on the back panel of the modem and connect the other end to the Ethernet port of a computer. Use a Category 5e or Category 6 Ethernet cable with RJ-45 connectors to ensure Gigabit Ethernet speeds (when the computer supports it).
3. Connect an RJ-11 phone cable (not supplied) to the **TEL** (telephone) port on the modem (when provisioned for voice service as specified by the service provider), and connect the other end to the phone port of the telephone. If voice service is not provisioned through the service provider, telephone service is not available.
4. Connect the power adapter (supplied) to the **PWR** (power) port. Connect the other end to a power outlet.



## • DEVICE WALL MOUNT INSTRUCTIONS

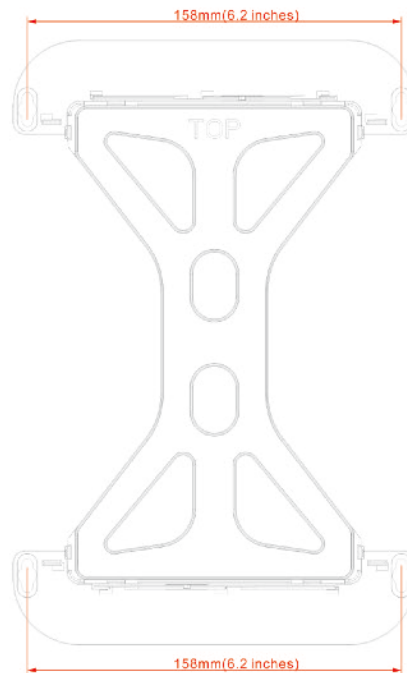
You can mount the UBC1319AA00 on a wall by following the steps below:

1. You will need 4 round or pan head screws with the following measurements:



Label	Millimeters (mm)
A	7.2 +/- 0.5
B	2.6 +/- 0.15
C	19.0 +/- 1.2
D	3-4

2. Fit the 2 leg stand pieces together with the wall mount template as represented in the graphic to the right.



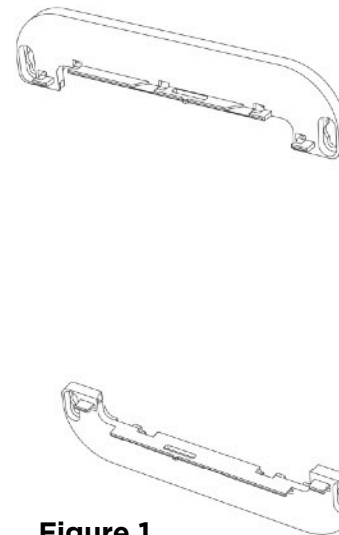
3. Place this on the wall and use it as a template to mark the wall for the appropriate placement of the screws.

4. Install the 2 sets of screws on the wall (158 mm or 6.2 inches apart).

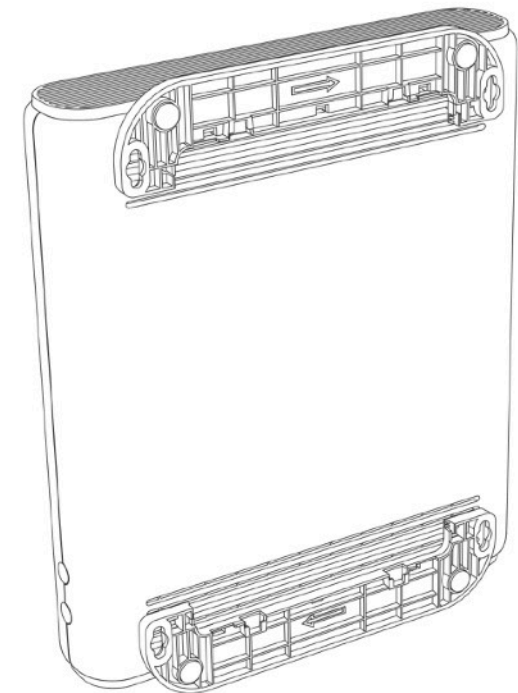
**NOTE:** The screws should protrude from the wall so you can fit the device between the head of the screws and the wall. If you install the screws in drywall, use hollow wall anchors to ensure the unit does not pull away from the wall due to prolonged strain from the cable and power connectors.

5. Separate the wall mounting pieces. Mount the top and bottom leg stand pieces (**Figure 1**) onto the UBC1319AA00 as shown in **Figure 2**.

6. You can now mount the UBC1319AA00 onto the wall using the screws installed in Step 4.



**Figure 1**



**Figure 2**



● **DEVICE CONNECTIONS AND BUTTONS**

**RESET:** To reset the device, take a small object like the end of a paper clip and insert it into the RESET opening. To power cycle the device, hold for less than **5** seconds. To reset to factory default settings, hold for more than **5** seconds. **WARNING:** Resetting factory defaults will erase ALL settings that you have made and will restore the device to factory default settings.

**TEL:** Connects an analog telephone using an RJ11 cable.

**ETHERNET 1-2:** Connects Ethernet-enabled devices such as computers, gaming consoles or a wireless access point (router) using RJ45 Ethernet cables.

**USB:** Connects to USB devices.

**PWR:** Connects to the supplied power adapter. Plug the other end into the wall power outlet.

**CABLE:** Connects to the cable wall outlet using a coaxial cable.

**WPS:** On the front panel, the WPS button is used for the Wi-Fi Protected Setup (WPS) push button method to connect a client Wi-Fi device to the UBC1319AA00. When a user pushes the WPS button or triggers WPS via the Web UI, it flashes for 4 minutes until the WPS button is pushed on the wireless client device. After a WiFi client attaches successfully, the LED remains on for 5 minutes, then turns off.

**INFO:** On the front panel, the INFO button controls the LED ECO Mode.

- When enabled, LED ECO Mode allows the modem to automatically turn off the LEDs in order to conserve energy. Note that the POWER LED will remain lit in ECO Mode.
- When pushed, the INFO button will disable the LED ECO Mode for 30 seconds, and the LEDs will operate in the Normal State as seen in the LED table on page 4.
- When the modem is in a faulty or alarm condition, LED ECO Mode is automatically disabled. When the condition is resolved, the device will again enable LED ECO Mode.
- By default, LED ECO Mode is automatically enabled 3 minutes after powering up the modem.

● **BASIC MODEM INFORMATION**

<b>Example of Cable RF MAC Address</b>	00:71:CC:8E:54:C7
<b>Firmware Version</b>	UBC1319AA00-1xxx-v1.0.0rx
<b>Compatibility</b>	DOCSIS 3.0/2.0/1.0 certified Ethernet 10/100/1000 Mbps Wireless 802.11a/b/g/n/ac
<b>Local Web Page User Access</b>	http://192.168.100.1 or http://192.168.0.1
<b>Local Web Page Login (web UI)</b>	<b>Login:</b> MSO <b>Password:</b> changeme
<b>Encryption</b>	WPA2-PSK with AES encryption
<b>Wireless Default SSID (wireless network name)</b>	“MyAltice” then a space, and the last 6 characters of the WAN MAC address (in lower case). The SSID is the same for both the 2.4 and 5GHz radio bands.
<b>SSID Examples</b>	2.4GHz radio with above MAC address: SSID = MyAltice 8e54c7 5GHz radio with above MAC address: SSID = MyAltice 8e54c7
<b>WPA2-PSK Wireless Key</b>	Six digits (0-9) – in groupings of 2, 3 or 4 digits, two hyphens, and one name of a color. It can be found on the device label. <b>This is your wireless password.</b>
<b>WPA2-PSK Wireless Key Example</b>	5112-orange-91



• LED BEHAVIOR

LED	Normal State	Normal State (LED ECO Mode Enabled)	Faulty/Alarm State (LED ECO Mode is Automatically Disabled)
<b>FRONT PANEL</b>			
<b>DS/US</b> (downstream/ upstream)	ON Solid White	OFF	Blinks White = Problem on the network and device cannot link properly
<b>INTERNET</b>	ON Solid White	OFF	Blinks White = CPE fails to obtain IP address
<b>WPS</b>	Blinks White = WPS button is pushed (otherwise will be OFF)	OFF	N/A
<b>WIFI</b>	On Solid White = WiFi Enabled OFF = WiFi Disabled	OFF	Blinks White = WiFi initialization issue
<b>PHONE</b>	On Solid White = eMTA Registered Successfully OFF = eMTA Disabled	OFF	Blinks White = eMTA registration failed
<b>POWER</b>	ON Solid White	ON Solid White	N/A (but will remain ON if power connected)
<b>REAR PANEL</b>			
<b>TEL</b>	ON Solid Green = Telephone is connected Blinks Green = Telephone call in progress OFF = Telephone is NOT connected		
<b>ETH 1-2</b>	ON Solid Green = Ethernet device is connected Blinks Green = Data being transmitted OFF = Ethernet device is NOT connected		



● **FEDERAL COMMUNICATION COMMISSION (FCC) INTERFERENCE STATEMENT**

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.

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 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.

● **5GHz Wireless Statement:**

For operation within the 5.15-5.25GHz and 5.47-5.725GHz frequency ranges, this device is restricted to indoor environments.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

● **FCC Caution:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

● **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 30 cm between the radiator & your body.

● **NOTE TO CATV INSTALLER**

*This reminder is provided to call the CATV systems installer's attention to section 820-93 of the National Electric Code, which provides guidelines for proper grounding and in particular, specify that the Coaxial cable shield shall be connected to grounding system of the building, as close to the point of cable entry as practical.*