



UBC1310BA10

DOCSIS 3.0

Advanced Wireless Voice Gateway

Quick Installation Guide - Subscriber



• **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).

This unit requires a 100-240V, 50/60Hz power adapter. Power cable 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.

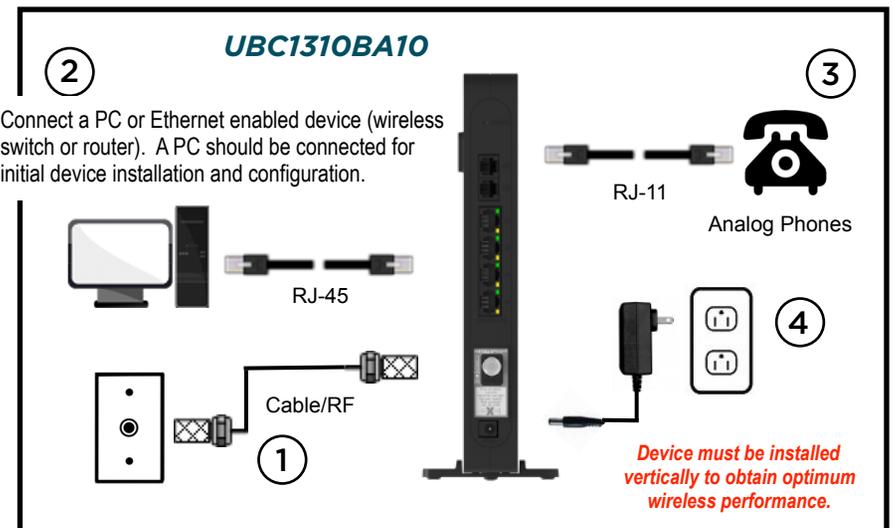
Temperature and Altitude: Install the device in a location not to exceed the maximum temperature of 40° Celsius). Regular operating altitude is 2000 m, and maximum operating altitude is 5000 m.

• **PREPARING FOR INSTALLATION**

- ✓ Verify package contents, RF cable connectors, and power outlet.
- ✓ 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.

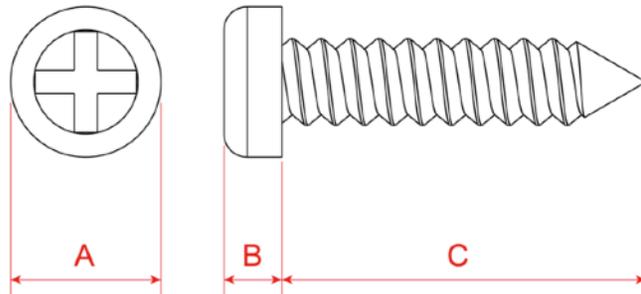
• **INSTALLING THE MODEM**

1. Connect a coaxial cable (not supplied) to the CABLE connector on the rear panel of the device and connect the other end to the cable wall outlet. Do not bend or over tighten the cables, 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 the Ethernet cable (supplied) to the Ethernet port on the back panel of the modem and connect the other end to the Ethernet port of a PC. 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 (supplied) to the TEL1 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 POWER port. Connect the other end to a power outlet.

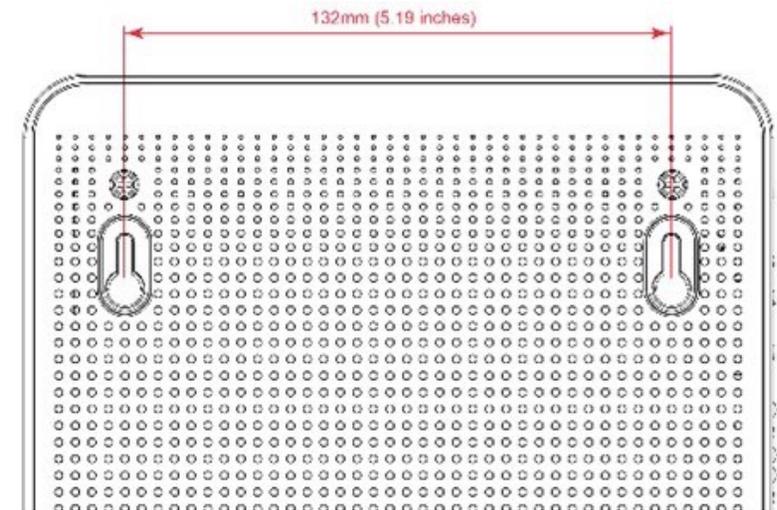


• DEVICE WALL MOUNT INSTRUCTIONS

You can mount the UBC1310BA10 on a wall using the 2 mounting brackets on the side of the device. Two round or pan head screws are recommended. See the figure below for measurements.



Label	Size in Millimeters (mm)
A	7.2 +/- 0.5
B	2.6 +/- 0.15
C	19.0 +/- 1.2



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.

2. Mount the device on the wall

To mount the device on a wall:

1. Install the 2 screws horizontally on the wall 132 mm (5.19 inches) apart.

• UNDERSTANDING DEVICE CONNECTIONS AND BUTTONS

Rear and front panel connections/buttons are explained below:

RESET: Use 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. The UBC1310BA10 will reset and reboot. **WARNING:** Resetting to factory defaults will erase ANY and ALL settings that you have made and will restore the device to factory default settings.

TEL1-TEL2: Use to connect analog telephones to the device. Telephone service must be enabled by your service provider.

ETHERNET 1-4: Use to connect to Ethernet-enabled devices such as computers or gaming consoles using RJ45 Ethernet cables. Each Ethernet port on the back panel of the device has two LEDs to indicate its status.

When an Ethernet device is connected to the cable modem:

- The **Orange** LED is lit when connected at 10/100 Mbps speeds.
- The **Green** LED is lit when connected at 1000 speeds (Gigabit Ethernet).
- LED blinks (either **Orange** or **Green**) when data is passed between the cable modem and the connected device.

CABLE: Use to connect to the coaxial cable from your Internet service provider.

POWER: Use to connect to the power adapter. Plug the other end into the wall power outlet.

WPS: Located on the front panel of the device, this button is used for the Wi-Fi Protected Setup (WPS) method to connect a PIN-protected Wi-Fi device to the cable modem.

• BASIC MODEM INFORMATION

Example of Cable RF MAC Address	40:49:0F:FD:90:11
Firmware Version	9.59.1003
Compatibility	DOCSIS 3.0/2.0/1.1/1.0 certified PacketCable 1.5/2.0 compatible Ethernet 10/100/1000 Mbps Wireless 802.11a/b/g/n/ac
Local Web User Interface Access	http://192.168.100.1
Modem Web Page Login (web user interface)	Login: user Password: user
Default Encryption	WPA/WPA2-PSK
Wireless Default SSIDs	“Ubee” plus the last 4 characters of the Cable Modem MAC address (in upper case). “-2.4G” is added for the 2.4GHz band, and “-5G” is added for the 5GHz band.
SSID Examples	Device with above MAC address: 2.4GHz Radio SSID = Ubee9011-2.4G 5GHz Radio SSID = Ubee9011-5G
WPA2-PSK Wireless Key	The default key for both the 2.4 and 5GHz radio bands is the last 10 characters of the CM MAC address. <i>This is your wireless password.</i>

• LED BEHAVIOR

LED	COLOR	DESCRIPTION
POWER	GREEN	ON - Internal power-on completed successfully. FLASHES - Initializing. OFF - No power supplied.
DS (downstream)	GREEN	FLASHES - Once every second when DS scan is in progress and when a firmware upgrade is in progress. ON - Locked to DS channels and registered with the CMTS.
US (upstream)	GREEN	FLASHES - Once every second when US scan is in progress and when a firmware upgrade is in progress. ON - Locked to US channels and registered with the CMTS.
ONLINE	GREEN	FLASHES - Obtaining IP address and configuration file. ON - Configuration completed successfully, network connected. OFF - Network connect failed.
TEL1	GREEN	ON - Telephony is enabled and telephone is on-hook. OFF - Telephony is not provisioned. FLASHES - Call is in progress or eMTA is attempting to register.
TEL2	GREEN	ON - Telephony is enabled and telephone is on-hook. OFF - Telephony is not provisioned. FLASHES - Call is in progress or eMTA is attempting to register.
2.4G	GREEN	FLASHES - 2.4GHz WiFi traffic is being passed. ON - 2.4GHz WiFi is enabled. OFF - 2.4GHz WiFi is disabled.
5G	GREEN	FLASHES - 5GHz WiFi traffic is being passed. ON - 5GHz WiFi is enabled. OFF - 5GHz WiFi is disabled.
ETHERNET 1-4 (rear panel)	GREEN / ORANGE	ON GREEN - An Ethernet device is connected to the UBC1310BA10 at 1000 Mbps speed. ON ORANGE - An Ethernet device is connected to the UBC1310BA10 at 10/100 Mbps speeds. FLASHES (GREEN or ORANGE) - Data is being passed between the UBC1310BA10 and the connected Ethernet device.

*** Please note that both the 2.4GHz and 5GHz radios are enabled by default.**

• **FEDERAL COMMUNICATIONS COMMISSION 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 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 30cm between the radiator & your body.