DVW324 D3.0 Advanced Wireless Voice Gateway Safety and Installation Product Insert

◆ Federal Communications Commission (FCC) Interference Statement

This device 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 device generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, the device may cause harmful interference to radio communications. There is no guarantee, however, that interference will not occur in a particular installation. If this device causes harmful interference to radio or television reception, which can be determined by turning it off and on, the user can try to correct the interference by one of the following measures:

- Increase the separation between the device and the equipment with which it is interfering (for example, a television or radio).
- Connect the device to an electrical outlet on a different circuit than the interfered device is connected.
- Consult the dealer or an experienced radio/TV technician for help.

◆ FCC Regulatory Information

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. (2) This device must accept any interference received, including interference that may cause undesired operation. (3) There are two statements for this product:

- Only the type of Metal PIFA antenna tested may be used.
- The device must carry a label stating "Contains FCC ID: XCNC210400A."

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

IEEE 802.11b or 802.11g operation of this device in the U.S.A. is firmware-limited to channels 1 through 11.

◆ FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated at a minimum distance of 20 cm between itself and your body.

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

◆ Safety Notices

Read these instructions carefully before operating the device. It is important to be aware of these safety instructions. Install the device according to these instructions and keep this guide for future reference.

- Do not use this device in a humid space, in the rain, or near splashing water.
- Do not install during thunder or lightening storms.
- Do not cover any ventilation openings in the device case.
- Do not place the device near heat sources such as radiators or stoves.
- Clean the device only with a clean, dry cloth. Do not use liquid or chemical cleaners.
- Avoid static discharge when touching the device by first touching the coaxial connector of the coaxial cable.

◆ Installation Instructions

Use the following guidelines to install the device.

- For table mounting, place the device horizontally on a stable surface.
- For wall mounting, use the mounting holes on the bottom of the device, as shown in Figure 1. Fasten two screws horizontally to the wall at a distance of 19.4 cm (7.63"). Allow screws to project from the wall so the device hangs securely on the screws. See Figure 2 for recommended screw size (D=5.0-5.5, H=1.8-2.2, L=8.2-9.0, E=2.9-3.0).
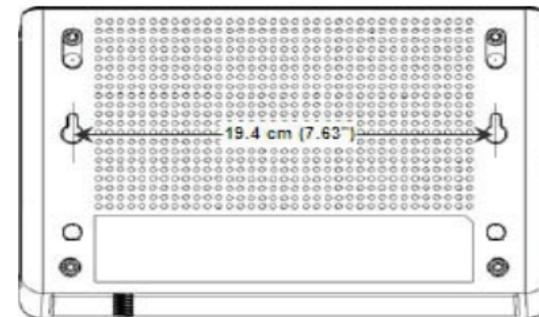

Figure 1. Distance Between Mounting Holes
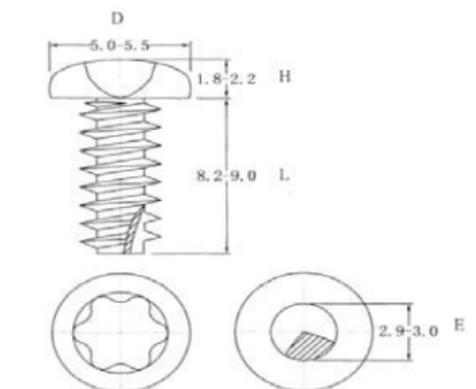
Figure 2: Screw Size

- Place the device near an outlet so the AC power adapter can be plugged in directly to the wall outlet without an extension. Observe the maximum load of the electrical outlet. Please only use the power adapter provided with the unit.

To install the device:

Connect the device according to the installation instructions in Figure 3.

1. Connect one end of the RF coaxial cable (not included) to the RF port on the device. Connect the other end to the cable wall outlet or a cable splitter. (Use a cable splitter, not included, to connect the device and a television to the same cable wall outlet.) Be sure not to bend or over tighten the cables as this may strain the connector and cause damage.
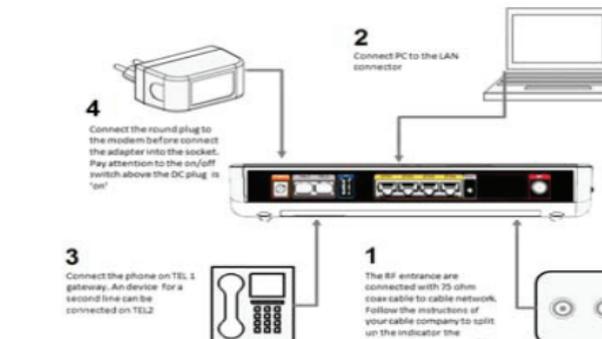

Figure 3: Connection Diagram

2. Connect one end of the Ethernet cable (included) to one of the Ethernet ports (ETH1 – ETH4) on the device. Connect the other end to the Ethernet port on a PC. **Note:** Use Category 5e or 6 cables with RJ45 connectors when connecting Ethernet devices to the LAN ports. This ensures Gigabit Ethernet speeds when the computer supports it.

3. Connect one end of an RJ11 phone cable to the telephone port (TEL1, TEL2) on the device that has been provisioned for voice service as specified by the service provider. Connect the other end to the phone port of the telephone. **Note:** Telephone service will not be available if voice service has not been provisioned through the service provider.

4. Connect the power adapter to the POWER port on the device. Plug the other end of the power adapter into the AC wall outlet. **Important:** Use only the power adapter that is shipped with the device.

◆ Additional Rear Panel Buttons

- **RESET button:** To reset the device to the factory defaults, insert a small object into the small, reset opening and hold for more than 10 seconds. The device resets to factory defaults and reboots. **Note:** Not all parameters are reset to factory defaults. Refer to the user guide for more information.

- **USB Ports:** One USB port with host controller is available.

- **WPS** (on the side of the device): The Wi-Fi Protected Setup (WPS) method used to connect PIN-protected Wi-Fi equipment to this device.

◆ LEDs on Front Panel

The following table describes LED behavior.

LED	COLOR	DESCRIPTION
PWR	Green	LED remains on when device has completed internal power-on tests successfully. LED blinks if power-on test fails.
DS	Green Blue	LED blinks during firmware upgrade. LED is on when device has locked to downstream channel. • Green - one channel bonded. • Blue - more than one channel bonded.
US	Green Blue	LED blinks during firmware upgrade. LED is on when device has locked to upstream channel. • Green - one channel bonded. • Blue - more than one channel bonded.
RDY	Green	LED blinks when obtaining IP

| LED	COLOR	DESCRIPTION
		address and configuration file and remains on when successful.
Tel1/Tel2	Green	LED is on when telephone is on-hook. LED blinks when telephone is off-hook and during firmware upgrade.
WLAN	Green	LED is on when connected and blinks when traffic is passed.
WPS	Green	LED blinks for 4 minutes after WPS button is pushed until PIN is entered from a wireless client. LED remains on for 5 minutes when client is connected, and then turns off.
ETH1 – ETH4	Green Blue	LED is on with connectivity between Ethernet port on the device and Ethernet port on the PC. LED blinks when traffic is passed. • Green indicates 10/100 Ethernet connection. • Blue indicates 1000 Ethernet connection.
USB	Green	LED is green when a USB device is connected and blinks when data is passed.
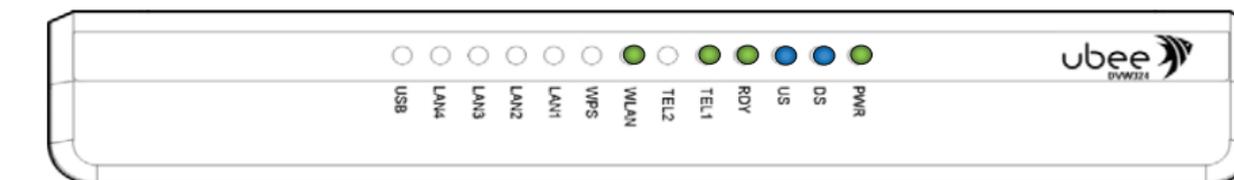
Figure 4: Front Panel LEDs