

## DVW222B D2.0 Voice Wireless 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 into an electrical outlet on a different circuit than the interfered device is connected.
- Consult the dealer or an experienced radio/TV technician for help.

1

### ◆ 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 20cm between itself and your body.

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

### ◆ Safety Notices

1. Installation of the device should include grounding the coaxial cable to the earth at 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).
2. Disconnecting the Device: If the device becomes damaged or encounters some other abnormality, disconnect the power plug from the wall outlet immediately.
3. The device should be installed in a location not to exceed the maximum temperature of 40 degrees Celsius (104 degrees Fahrenheit).
4. When this device is placed upright with the aid of the stand, the stand must be fixed at a 90 degree angle to the device. Otherwise, the device has the risk of tipping over. Refer to Figure 1.

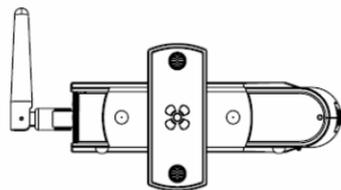


Figure 1: Device Stand at 90 Degree Angle

2

### ◆ Installation

Follow the procedures below and refer to Figure 2 to install the device.

1. Connect one end of a coaxial cable (not included) to the CABLE port on the device. Connect the other end to a cable splitter or the cable wall outlet. Be sure not to bend or overtighten the cables as this may strain the connector and cause damage. If you plan to connect the device and a television to the same cable wall outlet, you must use a cable line splitter (not included).
2. Connect one end of the supplied Ethernet cable to the ETHERNET port on the device. Connect the other end to the ETHERNET port on a PC. Note: Category 5e or Category 6 Ethernet cables with RJ45 connectors must be used when connecting Ethernet devices to the LAN ports. This ensures Gigabit Ethernet speeds (unless the computer does not support it).
3. Connect one end of an RJ11 phone cable to one of the TEL ports on the device (a port 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: If voice service is not provisioned through the service provider, telephone service is not available.
4. Connect one end of the power adapter to the POWER port on the device. Connect the other end to an electric outlet. **Important:** Use only the power adapter that is shipped with the device.

### ◆ Additional Information on Rear Panel Connections and Other Information

1. **POWER:** Use to connect power adapter. Only use the power adapter that is provided with the device.
2. **TEL1/TEL2:** Use to connect the phone line RJ11 cable. The other end connects to the phone line port on the Telephone set.
3. **ETHERNET:** Use to connect the Ethernet RJ45 cable. The other end connects to the Ethernet port on the PC or NIC.
4. **RESET button:** Use to reset the device to the factory defaults. Insert a pointed object into the button opening and hold for more than 10 seconds. The device resets and reboots.  
**Note:** Not all parameters are reset to factory defaults. Refer to the User Guide for more information.
5. **CABLE Connector:** Use to connect the coaxial cable (not included) that comes from the cable splitter (not included) or the cable wall outlet.
6. **Battery:** Use this slot to contain the battery. The slot can be opened/closed to insert or replace the battery.  
**Note:** Only use the battery provided with the device.
7. **WPS** (located on the front of the device): Use the Wi-Fi Protected Setup (WPS) method to connect PIN-protected Wi-Fi equipment to this device. Refer to the User Manual for more information.

3

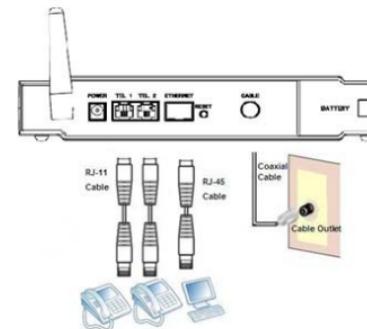


Figure 2: Rear Panel Connections

### ◆ LEDs on Front Panel of Device

See Figure 3 and the LED descriptions to understand LED behavior.



Figure 3: Front Panel LEDs

LED	COLOR	DESCRIPTION
Power	Green	Indicates the device has successfully completed internal power - on tests. LED flashes if power - on self test fails.
DS	Green	Indicates data is being received from the cable network. Indicates the device has acquired a DS channel.
US	Green	Indicates data is being transmitted to the device. Indicates the device has acquired an upstream channel.
Ready	Green	LED flashes slowly when performing upstream ranging. LED flashes quickly when acquiring an IP address and configuration file. LED remains off if the device configuration file has network access set to "disable." LED remains solid when the device is registered on the cable network.

LED	COLOR	DESCRIPTION
Tel1/Tel2	Green	LED MUST remain solid when on - hook. LED MUST flash when a phone is off - hook.
WLAN	Green	LED is on when WiFi network is available.
LAN	Green	LED flashes when traffic is being passed and indicates connectivity between the Ethernet port on the device and the PC's Ethernet port.
WPS	Green	LED flashes when pushing the hardware WPS button.
Battery	Green	LED is on when the battery is installed while Adaptor is on and properly functioning. If there is no adaptor, the Battery LED is off, the Power LED blinks, and the TEL1 LED is on. All other LEDs are Off. If the battery is at low power level (30mins left), the battery LED blinks.



### ◆ Wall Mount Installation

This device can be mounted on a wall using the two mounting brackets on the bottom of the device. It is recommended to use two round or pan head screws (not included).

1. Install two screws horizontally apart on a wall using the measurement shown in Figure 4. The screws should protrude from the wall in order to fit the device between the head of the screw and the wall. If the screws are installed in drywall, use hollow wall anchors to ensure that the unit does not pull away from the wall due to prolonged strain from the cable and power connectors.
2. Remove the device from the product package.
3. Mount the device on the wall.

Refer to Figures 4 and 5 for more details.

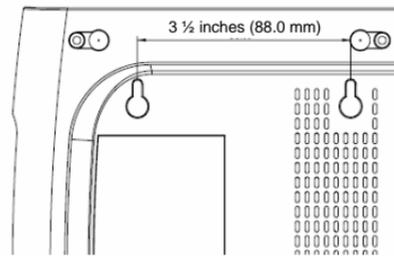


Figure 4: Distance (horizontal) Between Brackets for Screws

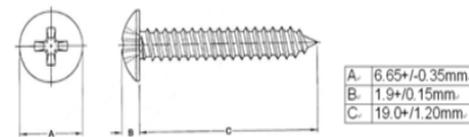


Figure 5: Recommended Screw Size