

PRYME® RADIO PRODUCTS

PRYMEBLU® BT-PTT2-V Push-to-Talk User's Guide

For use with Twisted Pair Solutions WAVE Communicator app on Android smart phones



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Federal Communication Commission Interference Statement

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.

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 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 complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

RF Exposure Warning!

This device contains transmitters and receivers which emit Radio Frequency (RF) energy. The device is designed to comply with the limits for exposure to RF energy set by the Federal Communications Commission (FCC) of the United States, Industry Canada (IC), and the regulating entities of other countries.

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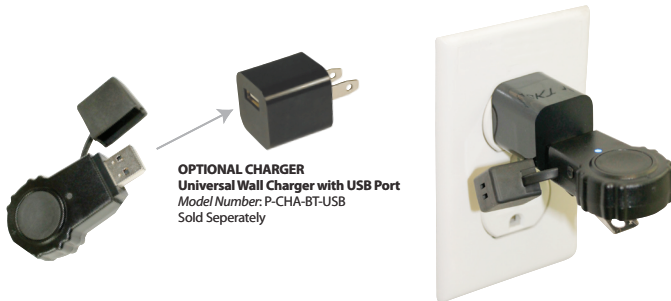
If you are still concerned about exposure to RF energy, you can further limit your exposure by limiting the amount of time you use the equipment or by plugging more distance between your body and the device, since exposure level drops off dramatically with distance.

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STEP ONE: Charging the Push-to-Talk

The BT-PTT2-V has an internal Lithium Ion rechargeable battery pack which must be charged prior to operation, and must be recharged regularly. A fully charged battery will provide more than 12 hours of operation before needing to be recharged. However, operating time can vary depending on usage and the condition of the battery pack. Recharge the battery regularly.



OPTIONAL CHARGER
Universal Wall Charger with USB Port
Model Number: P-CHA-BT-USB
Sold Separately

To charge the Push-to-Talk:

1. Ensure the device is turned off using the power button.
2. Plug the USB port of the BT-PTT2-V into any powered USB outlet, such as the USB port on a computer or into the optional AC wall charger. You will need to first remove the protective rubber cover. (To prevent dust and moisture from damaging your Push-to-Talk, always ensure this cover is in place when you are not charging.)
3. Once the charging process has begun, the LED indicator on the bottom of the Push-to-Talk will show a constant blue light.
4. When the device is done charging the LED will turn off. Typical charge time is approximately 4.5 hours. Actual charge time will vary depending on several factors including the battery's charge state, condition, and age.
5. Disconnect the charger from the adapter when charging is completed.

Charging Cautions

- Do not use the device with a charger that appears to be damaged.
- Do not tamper with or modify the PTT or charger.
- Always turn the Push-to-Talk off when charging.

Controls and Connection



PTT Button
This button is used to activate the push-to-talk feature of the WAVE Communicator app

Power Button
Holding down this button for one second will turn the Push-to-Talk device on and off

Status LED
The LED flashes messages that let the user know the current status of the Push-to-Talk device

Dust Cover
Used to cover the USB port when the BT-PTT2-V is not being recharged

USB Charge Port
This port is used to connect the BT-PTT2-V to any powered USB connector for recharging

Clothing Clip
The alligator-type clip can be used to secure the Push-to-Talk to the user's clothing during use. The clip can be rotated to allow the device to be better positioned

Pairing With a Smartphone



The BT-PTT2-V Push-to-Talk is designed to work with smartphones running the Android operating system. Prior to normal operation, the phone and Push-to-Talk must be *paired* together using the following process:

1. Activate the pairing mode on the Push-to-Talk by holding down the PTT button while turning the device on. Continue to hold down the PTT button until the status LED on the BT-PTT2-V shows two blue flashes every second.
2. On your phone, go to **Settings > Bluetooth**. Move the Bluetooth slider to turn the phone's Bluetooth radio on.
3. Select "Search for Devices" from the phone's Bluetooth menu. The phone will scan for nearby Bluetooth devices and a list showing the names of nearby Bluetooth devices will be shown on the screen.
4. Choose "PTT-220" from the list.
5. Keep the phone and Push-to-Talk near each other and wait a few seconds. The devices will pair to each other.

Reconnecting a Previously Paired Push-to-Talk and Phone

Once the BT-PTT2-V and phone have been successfully paired together, both devices will remember that connection. They will reestablish their link whenever the Push-to-Talk and phone are both powered on and in within range of each other, as long as the Bluetooth radio is enabled in the phone. Re-establishing this connection can take 10-60 seconds.

In the event that the phone and Push-to-Talk do not automatically reestablish their link, simply press the PTT button on the BT-PTT2-V to restore the connection.

Setting up the WAVE Communicator App

To get the WAVE Communicator app on your phone and set it up to work with the BT-PTT2-V Push-to-Talk, do the following:

1. Download and install the WAVE Communicator app from the Google Play store.
2. Make sure that your phone's Bluetooth radio is enabled, and that the Push-to-Talk is powered on and that the Push-to-Talk and phone are connected to each other.
3. Open WAVE Communicator and sign in with your account information.
4. Click the "Settings" icon in the top right hand corner of the Wave Communicator screen.
5. Click on the Overflow icon in the top right hand corner and then select "Advanced" from the pop up menu.
6. Click on the Overflow icon again and then select "Debug Enabled" from the pop up menu.
7. Select "Device" from the menu. A new menu will pop up showing the list of all the Bluetooth devices paired with your phone. Choose "PTT-220" from the list.
8. Select "Press String" from the menu. A new screen will pop up showing some command characters. Delete the characters shown in this box and enter "#p". (Note: Do not enter the quotation marks. This field is case-sensitive so make sure to enter a lowercase letter "p".) Press OK.

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Status LED Messages

The meanings of the various status LED messages shown by the PRYMEBLU BT-PTT2-V are shown on the following table:

LED INDICATION	MEANING
No indication	Device is powered off
Two blue flashes every second	Pairing mode
One blue flash every six seconds	Bluetooth is connected
Continuous solid red	PTT button is pressed
Repeated rapid blue flash	Bluetooth link lost/not connected
One blue flash every second	Battery is low
Constant blue (while plugged into charger)	Charge mode
No indication (while plugged into charger)	Charging is finished

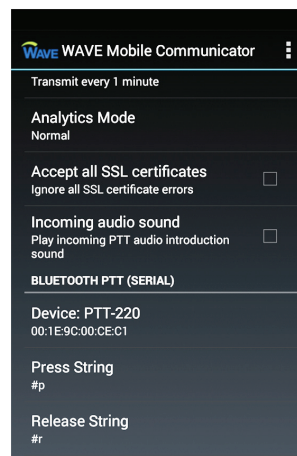
SPECIFICATIONS

SPECIFICATIONS	
Operating temperature:	-20 ° C to 50 ° C
Storage temperature:	-40 ° C to 80 ° C
Size:	65mm (H) x 30mm (W) x 17mm (D)
Weight:	25 grams
Bluetooth Version:	Fully Qualified Bluetooth v2.1
Chip set:	CSR BC5 + 16MB external Flash
Receiver Sensitivity:	-82 dBm (typical)
Bluetooth Power Class:	Class 2
Maximum Range:	10 meters
Display:	Two color LED
Bluetooth Profile Support:	SPP (Serial Port) Profile
DC Input:	5 VDC
Current Draw:	16 mA (average), 20 mA (maximum)
Battery:	240mAh Lithium-Ion
Charging Type:	USB

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9. Select "Release String" from the menu. A new screen will pop up showing some command characters. Delete the characters shown in this box and enter "#r". (Note: Do not enter the quotation marks. This field is case-sensitive so make sure to enter a lowercase letter "r".) Press OK.

10. Press the Back button twice to exit the settings menu of WAVE Communicator.



Using the Push-to-Talk with WAVE Communicator

Once setup, you will be able to use the Push-to-Talk with the WAVE Communicator app, even if WAVE is running the background.

-To activate WAVE Communicator's push-to-talk feature, press and hold the PTT button on the BT-PTT2-V.

-When WAVE Communicator is transmitting a call, audio will be picked up by the phone's built-in microphone or by the microphone in your wired hands-free accessory, if one is plugged into the phone.

-Incoming calls received by WAVE Communicator will be heard over the phone's built-in speaker or through the earphone in your wired hands-free accessory, if you are using one.

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SUPPORT AND WARRANTY

PRYME Radio Products warrants this product against defects in materials or workmanship for a period of one year from the date of retail purchase. PRYME will repair or replace a defective unit, at our option, without charge for parts or labor. The limited warranty is extended only to the original purchaser and is valid only to consumers in the United States and Canada. It does not cover damage or failure caused by or attributable to Acts of God, abuse, misuse, improper or abnormal usage, faulty installation, improper maintenance, lightning, or other incidences of excessive voltage, or any tampering or repairs by other than a PRYME authorized repair facility. It does not cover replacement of consumable parts, transportation costs, or damage in transit.

Repair or replacement under the terms of this warranty does not extend the terms of this warranty. This warranty can only be modified by an officer of PRYME Radio Products, and then only in writing. Should this product prove defective in workmanship or material, the consumer's sole remedies shall be such repair or replacement as provided by the terms of this warranty. Under no circumstances shall PRYME Radio Products be liable for any loss or damage, direct, consequential, or incidental, arising out of the use of or inability to use this product. Some states do not allow limitations on how long an implied warranty lasts or the exclusions or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights, which may vary, from state to state.

For support or warranty service on your PRYME product, contact us at 1-800-666-2654 or visit us on the web at www.PRYME.com.

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DISCLAIMER: The Bluetooth wireless link used by PRYME BLU products is an open standard, unsecured technology. As such, it is not recommended for first-responder or other mission critical users.

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