

# PRYME<sup>®</sup> RADIO PRODUCTS

## PRYME WTX ADAPTER USER'S GUIDE Wireless Push-to-Talk Adapter for 2-Way Radios

The PRYME WTX Adapter allows you to activate your two-way radio's Push-to-Talk feature wirelessly while using an Apple® compatible cellular telephone style wired headset.



**BTT-PTT-A (mini)**  
included in WTX Kits

**Wireless PTT Adapter**  
Series Number: WTX  
Made in Taiwan

This manual applies to  
PRYME WTX-23, WTX-33,  
WTX-37, and WTX-63

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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!

Please keep product 20cm away from your body or bystander during the radio operation. The typical handheld 2-way radios were certified under mobile usage condition (i.e. keep 20cm away from the user body) and use of such radio closer than 20cm may exceed the US RF exposure limit and shall be avoided.

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## QUICK START

- Step One:** Attach the adapter to your radio
- Step Two:** Plug a compatible wired accessory into the adapter
- Step Three:** Insert a battery into wireless finger PTT (if needed)
- Step Four:** Pair the wireless finger PTT and adapter (if needed)
- Step Five:** Use the device



## STEP ONE: Attaching the Adapter to a 2-way Radio

- To connect your PRYME WTX Adapter to a 2-way radio, follow these steps:
- Always turn off your 2-way radio before connecting or disconnecting the PRYME WTX Adapter.
  - Plug the PRYME WTX Adapter into the speaker-microphone / audio accessory jack of your 2-way radio.
  - On some models of 2-way radio, you may need to tighten a retaining screw to ensure that the PRYME WTX Adapter remains attached to the radio
  - Turn on your 2-way radio and verify that the radio transmits and receives with the adapter attached.
  - Because no wired accessory will yet be paired to the PRYME WTX Adapter, received signals should be heard over the radio's internal speaker.
  - The Multifunction Button on the PRYME WTX Adapter may not function as a Push-to-Talk button for your 2-way radio until a wired audio accessory is plugged into the Quick-Disconnect port. Instead, you can transmit by pressing the PTT button on the side of the radio. Transmitted signals will be sent using the radio's internal microphone.

## Controls and Connection

### Wired Accessory Port

Allows the connection of an Apple®-compatible wired audio accessory that contains both earphones and a built-in microphone, such as Apple part number ME186LL/A, or MD827LL/A. (Not included.)

### Radio Connector

This port connects the BlueLink WTX Adapter to a compatible 2-way radio



### Multifunction Button / Status LED

This button is used to pair the WTX Adapter with the wireless finger Push-To-Talk. The LED flashes messages that let the user know the current status of the BlueLink WTX adapter. Once paired with the finger PTT, this switch can also be used to activate the Push-To-Talk function of the 2-way radio.

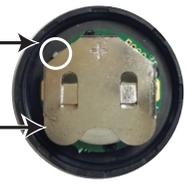
NOTE: WTX-23 Model shown. Other models may vary slightly in appearance.

### Power Switch

This slide switch is used to turn the BT-PTT on and off. Set to the switch to the off position to save battery life when the PTT is not being used.

### Battery Holder

Located inside the housing of the Push-to-Talk, the battery slot holds one coin cell battery which power the device.



### Housing

The plastic housing of the finger PTT can be separated by rotating the front and rear halves of the housing in opposite directions. Doing so will expose the battery holder.



Rotate Housing to Access Battery

### Velcro Fastener

The fastener is used to secure the wireless finger PTT to your clothing, hand, or any other location that you wish

### Push-to-Talk Button

Pressing and holding this button on the finger PTT will cause the 2-way radio that the WTX adapter is attached interface with to transmit.

**NOTE:** The Wireless PTT has a sleep mode which is used to preserve battery life. This sleep mode will engage when the power switch is turned to the "ON" position and four minutes elapse where the Wireless PTT is not connected to a phone or tablet via Bluetooth. While sleeping, the power consumption of the Wireless PTT is greatly reduced. To wake the device from a sleep state, simply press the PTT button.

## STEP TWO: Plugging a Wired Accessory into the Adapter

The PRYME WTX Adapter requires an Apple®-compatible wired audio accessory that contains both earphones and a built-in microphone, such as Apple part number ME186LL/A, or MD827LL/A. Additionally, many aftermarket accessories are available from a wide variety of manufacturers that will work with the adapter.

To connect a compatible accessory to the adapter:

- Always turn off the 2-way radio that the PRYME WTX Adapter is connected to when connecting or disconnecting a wired audio accessory.
- Insert the plug of the audio accessory into the Wired Accessory Port of the PRYME WTX Adapter and press down until the plug snaps firmly into place.



Apple® compatible ONLY

Headset button DOES NOT ACTIVATE PTT. (mutes microphone when pressed)

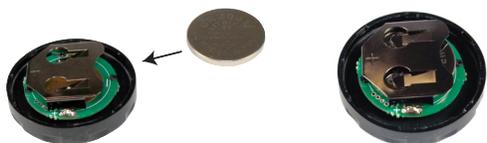
### STEP THREE: Replacing the Wireless Finger PTT Battery (IF NEEDED)

The BT-PTT-Z uses one replaceable CR2032 coin cell type battery. The first time you use your BT-PTT-Z you will need to install a new battery. You will also need to replace the battery at the end of its lifetime. A single battery can provide up to one full year of operating time. However, operating time can vary depending on usage cycle and the age and condition of the battery.



#### To change the battery:

1. Separate the two halves of the BT-PTT-Z housing by securely holding the back cover and rotating the front cover in a counter-clockwise direction until the two halves come apart.
2. Locate the battery holder inside of the device. Remove the old battery from the battery holder if one is installed. A ball point pen can be used to push the battery out of the holder if needed.
3. Insert a new CR2032 3-volt coin cell battery into the battery holder, observing proper polarity. The positive side of the battery (marked with a "+" sign) should face away from the circuit board.
4. Reinsert the two halves of the transmitter housing and rotate the top cover clockwise to tighten.



Wireless Finger PTT is included in all WTX Kits (also available separately)

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### STATUS LED MESSAGES

The meanings of the various status LED messages shown by the PRYME WTX Adapter are shown on the following table:

LED INDICATION	MEANING
No indication	No wired headset connected (WTX-83 model only)
One flash per second	Normal operation
Two flashes per second	Pairing mode
One flash every six seconds	Wireless finger PTT paired but not connected



### TECHNICAL SPECIFICATIONS

Bluetooth Version:	BLE (Bluetooth Low Energy) version 4.1
RF Frequency Band:	2.4 GHz
RF Output Power:	-20 to 4 dBm
Receiver Sensitivity:	-93dbm (typical)
Operating Voltage:	1.8 to 3.6 V DC
Current Draw:	0.6 uA (average), 2.6 uA (max)
Battery Type:	CR2032
Battery Lifespan:	Up to 2 years
Operating Range:	Up to 10 meters (30 feet) maximum
Storage Temperature:	-40° to 125° F
Operating Temperature:	-10° to 120° F

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### STEP FOUR: Pair the Wireless finger PTT and WTX Adapter (if needed)

Before the Wireless finger PTT will function with a PRYME WTX Adapter, the two devices must be paired with one another. Once they have been paired, the two devices will remember each other and should not need to be re-paired again. To pair the WTX Adapter and finger PTT do the following:

- Turn off the radio that the PRYME WTX Adapter is connected to. Wait at least three seconds.
- Make sure that a compatible accessory is plugged into the adapter's Wired Accessory Port.
- Turn the radio on while holding down the Multifunction Button on the PRYME WTX Adapter. Continue to hold the button down.
- While continuing to hold down the Multifunction Button on the WTX Adapter, press and then release the Push-to-Talk button on the finger PTT. Press and release this button approximately once per second for 3-5 seconds.
- Release the Multifunction button on the WTX adapter. Continue to press and then release the Push-to-Talk button on the wireless finger PTT once a second for another 3-5 seconds.
- Pressing the Push-to-Talk button on the wireless finger PTT should now cause the 2-way radio to transmit. If it does not, try repeating the pairing process.

### STEP FIVE: Using the WTX Adapter and finger PTT

Once the PRYME WTX Adapter and Wireless finger PTT have been paired together, you can use the Push-to-Talk button on the wireless finger PTT to cause your 2-way radio to transmit.

- Received signals will be heard through the earphones of your wired cellular phone accessory. The volume of received calls can be adjusted using the volume control on the 2-way radio.
- Push-to-Talk can be activated either by pressing and holding the Push-to-Talk button on the wireless finger PTT or by pressing and holding the Multifunction Button on the PRYME WTX Adapter.
- When transmitting, the operator's voice is picked-up by the microphone in the wired cellular phone accessory.

**NOTE:** Any auxiliary function buttons on your wired cellular phone audio accessory will NOT work when using the accessory with a PRYME WTX Adapter and 2-way radio. This includes volume control, phone answer, audio controls, etc.

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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](http://www.PRYME.com).

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