

## 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.

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## PRYME NANO-99A Audio Accessory Kit with "SMART" PTT Button for Smartphones and Tablets

The NANO is a revolutionary wired microphone kit with a removable earphone, for use with Smart Devices running many different Push-to-Talk over Cellular (PoC) apps.



Made in Taiwan

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## Controls and Connection

### HOOK BUTTON

This button can be pressed to answer or hang up phone calls. Pressing and holding the button will either reject an incoming call or launch your smart device's voice assistant (if no phone call is incoming).



### SMART PTT BUTTON

Pressing and holding this button will cause your PTT Over Cellular (POC) app to transmit a message. Release the button when done speaking.

### POWER SWITCH

Used to toggle the Smart PTT Button function on or off. Turn this switch off to preserve the battery life of the NANO if it will not be used for a long period of time.



### CLOTHING CLIP

The alligator-type clip secures the NANO to the lapel of the user's clothing during use. The clip can be rotated to allow the microphone to be better positioned.

### BUILT-IN MICROPHONE

When using the NANO with a listen-only earphone, this microphone is used for making PTT Over Cellular (PoC) transmissions and phone calls. For best results, the microphone should be positioned a maximum of 6-9" away from the user's mouth. (Note, if an accessory with a microphone is connected to the NANO, the accessory microphone will be used instead.)



### ACCESSORY CONNECTOR

The 3.5 mm audio connector on the PICO connects the kit to the earphone accessory jack on your smart device.

### AUDIO ACCESSORY JACK

Allows the connection of an earphone or an Apple®-compatible wired audio accessory that contains both an earphone(s) and a built-in microphone. (Note that the plug on the audio accessory must use the CTIA or Apple iPhone standard. For more compatibility information see pg 5.) Audio Accessory not included.

## BATTERY LIFE

The NANO uses one CR2032 coin cell type battery. A single battery can provide up to two full years or more of operating time. However, operating time can vary depending on the usage cycle and the age and condition of the battery. At the end of the battery's lifetime, it is necessary to replace the battery with a new one.

**NOTE:** The NANO 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 a long period of time goes by without the Smart PTT button being pressed. While sleeping, the power consumption of the NANO is greatly reduced. To preserve battery life even longer, it is recommended that you turn the NANO's power switch to the off position when you are not using it.



The battery is internal, but can be replaced using only a jeweler's/eyeglass screwdriver. To change the battery:

1. Remove the 2 small Phillips head screws on the rear of the NANO using a jeweler's/eyeglass screwdriver. Separate the two halves of the housing.



2. Locate the remove the 2 small Phillips head screws which secure the PC Board of the NANO inside the housing.

3. Carefully remove the PCB from the housing and flip it over to reveal the battery holder. Be careful not to damage the wire leads that connect the PCB to the microphone element or cabling.



4. Remove the old battery from the battery holder. A ball point pen can be used to push the battery out of the holder if needed.

5. 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.

6. Reseat the PCB and reinstall the 2 Phillips screws. Take care not to crimp any of the wires between the PCB and housing.

7. Reseat the two halves of the housing and reinstall the 2 screws to secure it in place.

**NOTE:** If you are unable to perform the battery replacement yourself, battery replacement service is available from PRYME for a flat fee. Contact PRYME Support for further details.

## CONNECTING AN AUDIO ACCESSORY TO THE NANO

In order to be able to hear audio from the attached handset, the NANO requires an Apple®-compatible wired audio accessory. This audio accessory may be a listen-only earphone or it may be an audio accessory that includes both an earphone and a microphone. The plug on the audio accessory must be a 3.5 mm TRRS type using the CTIA or Apple iPhone wiring standard. This includes several different PRYME audio accessories (sold separately, see below), Apple earbuds such as part number ME186LL/A, or MD827LL/A, or another similar audio accessory.



To connect an audio accessory, simply plug the audio accessory into the accessory jack on the NANO. Make sure that the connector on the audio accessory is pushed all the way into the jack and seats firmly.

### PRYME makes a variety of listen-only earphones that will work with the NANO:

MODEL NUMBER	TYPE	STYLE	
EH-11895C	Listen-only	Ear Bud Earphone	
EH-13995C Recon™	Listen-only	Acoustic Tube Earphone	
EH-30995C Bullet™	Listen-only	Bullet Transducer Acoustic Tube Earphone	
EH-GH995C G-Hook™	Listen-only	G-hook Swivel Earphone	
SPM-499D Ranger™	Mic+Earphone	Boom Mic Headset with D-ring Earphone	
SPM-1599 Gladiator™	Mic+Earphone	Throat Mic Headset with Acoustic Tube Earphone	
SPM-899B Highway™	Mic+Earphone	Motorcycle Helmet Boom Mic Kit	

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## TROUBLESHOOTING

### The earphone and/or microphone on my audio accessory isn't working with my NANO

First, make sure that the accessory is firmly plugged into the accessory jack of the NANO. Keep in mind that the accessory must also be wired using the CTIA or Apple iPhone standard. Some accessories may be wired differently and could therefore be be incompatible with the NANO even though they have a plug which fits the accessory jack. Please contact PRYME Tech Support for further assistance.

### The Smart PTT Button on my NANO isn't working.

First, ensure that the power switch on the NANO is set to the ON position. Then, make sure that you are signed into your POC app, that you have an active cellular data or WiFi connection, and have selected the contact you wish to speak with in your POC app. If pressing the Smart PTT button still does not cause the POC app to transmit a message, then it may be necessary to replace the battery inside your NANO.

### The Smart PTT Button on my NANO is out of synch (transmits when released)

In the unlikely event that this occurs, press and release the Headset Hook button on the NANO. This should restore normal operation.

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## POC App Setup

The NANO is compatible with most PTT Over Cellular apps and in most cases no setup is needed. Just connect the NANO kit to your smart device, sign into your POC app, and make sure that Power Switch on the NANO is set to the ON position!

All of the following apps work with the NANO including Zello, Wave Communicator, KODIAK Networks app (such as AT&T EPTT and Verizon PTT Plus), ES Chat, ZINC, VOXER and many more.

As long as your POC app supports using the Headset Hook button for Push-to-Talk or Toggle-to-Talk, the NANO should work!

## Using the NANO

When the NANO is connected to your smart device:

- Media audio, phone audio and PTT app audio will be heard through the NANO's earphone.
- As long as the power switch on the NANO is set to the ON position, you can make a PTT Over Cellular call by pressing the holding the Smart PTT Button on the NANO.
- You can make or take a phone call by using the controls on the screen of your smart device.
- You can answer an incoming phone call, or hang up a call in progress, by pressing the Headset Hook button on the NANO.
- If you have a listen-only earphone plugged into the NANO's accessory jack, when you make a phone call or PTT Over Cellular (PoC) app call, the sound of your voice will be picked up by the NANO's built-in microphone. You should speak slowly and clearly with the microphone positioned approximately 6 inches away from your mouth. If you have an accessory that includes both an earphone and a microphone plugged into the NANO's accessory jack, then the accessory microphone will be used instead.
- You can press and hold the Headset Hook button on the NANO to launch your smart device's voice assistant feature.

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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.

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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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