PRYME®
RADIO PRODUCTS

PRYME SPM-4299-ZA
Wired Speaker Microphone with "SMART PTT" Button for iPhone

The SPM-4299-ZA is a revolutionary wired speaker microphone, for use with the Zello and Wave Communicator Push-to-Talk over Cellular (PoC) apps on Apple iPhone

Model No.: SPM-4299-ZA
Made in Taiwan

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) of Canada, and the regulating entities of other countries.

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 placing more distance between your body and the device, since exposure level drops off dramatically with distance.

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Version 1.00 SEPTEMBER 2018

Controls and Connection

Front Firing Speaker
Received calls are heard over this speaker. The volume level can be controlled using either the Volume Up / Down buttons on the speaker microphone, or by using the volume controls on the smart phone

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.

Clothing Clip
The alligator-type clip secures the speaker microphone to the user's clothing during use. The clip can be rotated to allow the microphone to be better positioned.

Phone/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)

Earphone Jack
This jack is used to connect an (optional) wired listen-only earphone to the speaker microphone for enhanced privacy.

Charge Jack
This mini-USB jack is used to recharge the removable battery of the speaker microphone by connecting the SPM-4299-ZA to a USB charger or any powered USB source.

Accessory Connector
The 3.5 mm audio connector on the SPM-4299-ZA connects the kit to the earphone accessory jack on your smart device.

Microphone:
This microphone picks up the user's voice audio when sending a call.

Volume Up and Down Buttons
These buttons can be used to turn the receive audio volume of the speaker microphone up or down.

Status LED
The status LED will briefly flash green when the speaker microphone is plugged into a smart phone to let you know that the microphone is powered on and ready to be used.

Battery Cover
The rear cover of the speaker microphone can be removed by loosening the thumbscrew on the rear of the microphone. This allows the user to gain access to the removable battery pack.

Removable Battery
The speaker microphone is powered by a removable Lithium battery pack

2

Installing or Replacing the Battery Pack

The SPM-4299-ZA Bluetooth speaker microphone gets its power from a rechargeable Lithium-Ion type battery pack. The battery pack must be installed inside the microphone prior to operation. Under normal usage, this battery should have a lifespan of over 1,500 charge/discharge cycles before needing to be replaced.

To access the battery compartment:

1. Rotate the clothing clip on the back of the speaker microphone 90° to expose the thumbscrew at the top of the battery compartment cover. Rotate the thumbscrew counter-clockwise until the cover opens. Remove the battery door.
2. Insert the rechargeable battery pack into the battery compartment. Ensure that the battery terminals are properly lined up with the contacts inside of the battery compartment.
3. Reinstall the battery compartment cover and rotate the thumbscrew clockwise to tighten. DO NOT over tighten.

Install optional Button Hook for vehicular mounting (P-CLIP-MP16-BUTTON)

1. Press tab and slide off belt clip
2. Slide on P-CLIP-MP16-BUTTON

3

Charging the Speaker Microphone

The SPM-4299-ZA speaker microphone has a replaceable Lithium Ion rechargeable battery pack which must be charged prior to operation, and must be recharged regularly.

A fully charged battery will provide up to 32 hours of continuous 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.

When the battery is low the status LED will light red and short beep sound will inform the user.

To charge the speaker microphone

1. Ensure the speaker microphone is unplugged from the smartphone.
2. Plug the charge cable into any powered USB outlet, such as an AC wall charger, and then into the charge jack on the bottom of the speaker microphone.
3. Once the charging process has begun, the LED indicator on the bottom of the speaker microphone will show a constant red light.
4. Typical charge time is approximately five hours. Actual charge time will vary depending on several factors including the battery's charge state, condition, and age.
5. When the battery is fully charged the LED indicator on the side of the speaker microphone will turn off.
6. Disconnect the charger from the adapter when charging is completed.

Charging Cautions:
- Do not use a wall charger or charge cable that appears to be damaged. (Example: frayed wires, melted plastic, etc.) Contact PRYME to get a new manufacturer-approved replacement charger.
- Do not tamper with or modify the speaker microphone or charger.
- Always disconnect the speaker microphone from the smartphone when charging.

4

Zello POC App Setup

The SPM-4299-ZA is compatible with the Zello PTT Over Cellular app on iOS devices.

To setup the Zello app to work with the speaker microphone:
1. Open the Zello app.
2. Go to **Options > Push- to-Talk button** menu.
3. Make sure that the **Headset / remote control option** is checked.

The Smart PTT button on the speaker microphone should now be setup to work with the app.

Wave POC App Setup

The SPM-4299-ZA is compatible with the Wave Communicator 5.11 and 5.12+ PTT Over Cellular apps on iOS devices. It is not compatible with the Wave on Cloud app.

To setup the Wave app to work with the speaker microphone:
1. Open the Wave app.
2. Go to the Settings > Application Settings menu.
3. Make sure that the Use Earpiece for Audio option is checked.
4. Make sure that the Disable headset for PTT option is NOT checked.

The Smart PTT button on the speaker microphone should now be setup to work with the app.

Using the Speaker Microphone

When the SPM-4299-ZA s connected to your smart device:
• Media audio, phone audio and PTT app audio will be heard through the SPM-4299-ZA's speaker or through an optional earphone if one is connected.
• You can make a PTT Over Cellular call through the PTT over Cellular app by pressing the holding the Smart PTT Button on the SPM-4299-ZA.
• 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 Phone Hook button on the SPM-4299-ZA.
• When you make a phone call or PTT Over Cellular (PoC) app call, the sound of your voice will be picked up by the SPM-4299-ZAs built-in microphone. You should speak slowly and clearly with the microphone positioned approximately 6 inches away from your mouth.
• You can press and hold the Headset Hook button on the SPM-4299-ZA to launch your smart device's voice assistant feature.

OPTIONAL EAPRHONES

Although the SPM-4299-ZA has a built-in speaker for listening to received calls, some users may prefer to use a listen-only earphone for enhanced privacy.

The accessory jack on the speaker microphone will accept any mono earphone with a 3.5 mm audio plug. When an earphone is used, the front-firing speaker is disabled.

PRYME EH-1389SC model shown. Earphone sold separately.

PRYME makes a variety of listen-only earphones in different styles that will work with the SPM-4299-ZA.

Model	Model	Cable Length/Type	Connector
EH-389SC	Rubber Ear Hook	15" Coiled	3.5mm right angle
EH-389XC	Rubber Ear Hook	25" Coiled	3.5mm right angle
EH-1289SC	Plastic D-Ring	15" Coiled	3.5mm right angle
EH-1289XC	Plastic D-Ring	25" Coiled	3.5mm right angle
EH-1389SC	Acoustic Tube	15" Coiled	3.5mm right angle
EH-1389XC	Acoustic Tube	30" Straight	3.5mm right angle
EH-1399X	Acoustic Tube	30" Straight	3.5mm right straight
EH-GH89-SC	G-Hook (swivel)	10" Coiled	3.5mm right angle

TROUBLESHOOTING

The Smart PTT Button on my SPM-4299-ZA isn't working.
First, make sure that the speaker microphone is fully plugged into the smartphone's accessory jack and that the green LED on the microphone lights briefly when the SPM-4299-ZA is plugged in. If the LED does not light, then the microphone may need to be recharged before use.

Next, 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.

Lastly, make sure that the POC App Setup procedure shown on page 5 has been completed.

The Smart PTT Button on my SPM-4299-ZA is out of synch (transmits when released).
In the unlikely event that this occurs, press and release the Phone Hook button on the SPM-4299-ZA. This should restore normal operation.

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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