CALIFONE®

Portable Bluetooth PA
PA419-02

Bluetooth™ | **NFC**

User Manual

Portable Bluetooth PA PA419-02

Thank you for purchasing the Califone® Model PA419-02 Bluetooth PA

We encourage you to visit www.califone.com/registration to register your product for its warranty coverage, to sign up to receive our newsletter, download our catalog, and learn more about the complete line of Califone® audio visual products, including portable and installed wireless PA systems, multimedia players and recorders, headphones and headsets, computer peripheral equipment, visual presentation products and language learning materials.

Before operating the system, please read this guide thoroughly and keep it for future reference.

Watch the video introducing the Bluetooth PA419-02

Table of contents

Package contents

The following materials are included:

- PA419-02 Bluetooth Portable PA
- Power Adapter
- AC Power Cord
- Remote Control
- User Manual

Unpacking the Unit
Inspect the unit once the packaging has been opened for any damage that occurred during shipping and contact us immediately. Please keep the packing material for further use.

Important safety instructions

Before using this product, read the instruction manual for important safety information. Please retain this manual for future reference and warranty information.

Troubleshooting & Servicing
Do not attempt to service or repair the device yourself. Refer all servicing to qualified service personnel. Do not attempt to modify the device in anyway. Doing so could invalidate your warranty.

Moisture and heat sources
Do not use this apparatus near water (for example, sinks, baths, pools) or expose it to rain, moisture, dripping or splashing liquids. Do not expose the unit to high temperatures, high humidity or direct sunlight.

Cleaning
When cleaning the device, please use a soft, dry cloth. Never use benzene, paint-thinner, or other chemicals on the PA.

Location
Place the device in stable location, so it will not fall causing damage to the device or bodily harm.

Intended use
The product may only be used with the original parts intended for it. The product may only be used in closed and dry rooms. The intended use includes adherence to the specified installation instructions. Califone accepts no liability for damage arising due to improper use.

Battery Life
Califone recommends that the battery be recharged after several hours of usage, rather than stored with a low battery. This will prolong battery life. Storing more than 30 days without recharging will deteriorate the battery.

WARNING
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
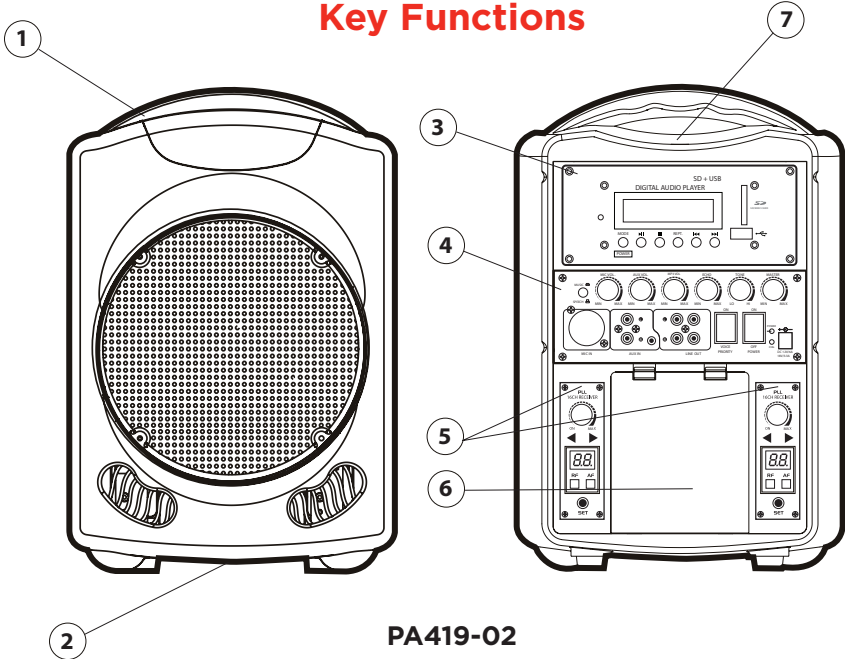
IMPORTANT
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The unit's circuitry may cause interference to nearby radios. To prevent interference, either switch the unit off or move away from the affected radio.

NOTE: This equipment has been tested and found to comply within 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 or more 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.

NOTE: Shielded cables may be required to be used with this unit to ensure compliance with the Class B FCC limits.
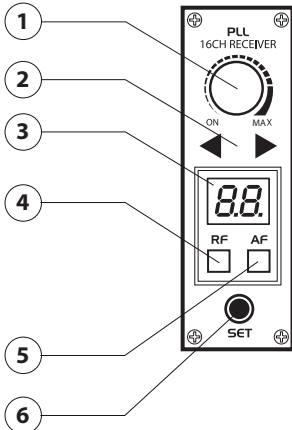
Key Functions

PA419-02

1. Handle
2. Tripod Mounting hole
3. MP3 Player
4. Control Panel

5. Wireless Mic Receivers
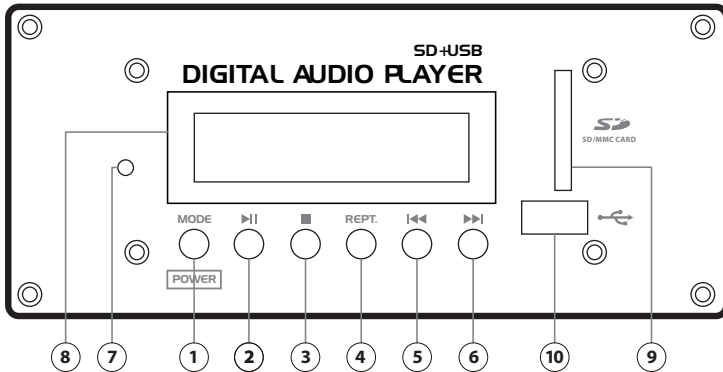6. Battery Compartment
7. NFC

Wireless Mic Receivers

1. Volume Control
2. Channel up /down (used only for adjusting the PA's wireless channel to match the channel of the wireless mic
3. Wireless mic channel
4. Radio frequency successfully matching to wireless mic
5. Audio frequency successfully matching to wireless mic
6. SET button - Syncs wireless channel with mic

Operation

MP3 Player Features

Supports MP3 and WMA audio formats, USB 2.0 or higher, up to 16GB SD Card, Bluetooth 2.1EDR, BDR

1. Audio Input Mode / Power
2. Play / Pause
3. Stop
4. Repeat
5. Skip Previous / Rewind

6. Skip Next / Fast Forward
7. IR Signal receiving port
8. LCD Display
9. SD Card Slot
10. USB Port

In order to operate any of the MP3 or Bluetooth features of the PA419-02, this module must be turned on in addition to the main power of the unit. Long press "MODE" to turn the module on.

Bluetooth Operation

a. Short press "MODE" (1) on the panel or remote control until the screen reads it "BLUETOOTH INITIALIZING".
b. Open the Bluetooth function on the transmitting device. It will search and display "PA System".
c. The PA419-02 screen will then display "Bluetooth Connected" after a few seconds.
d. The PA419-02 is now synced with the your device and is ready to play.

MP3 Operation Guide Basic Menu / Button Operation

1. On front panel or remote control, press "PLAY / PAUSE" (2) once to pause while track is playing, press again to resume play.
2. On front panel or remote control, Short press "Skip Previous / Rewind " (5) : Skip Previous; Long press: Rewind.
3. On front panel or remote control, Short press "Skip Next /Fast Forward" (6) : Skip Next; Long press: Fast Forward.
4. MUTE mode: On remote control, Short press "MUTE" (8) to reach mute mode.
5. Repeat mode : press "REPEAT" (4) enter into repeat play setting:
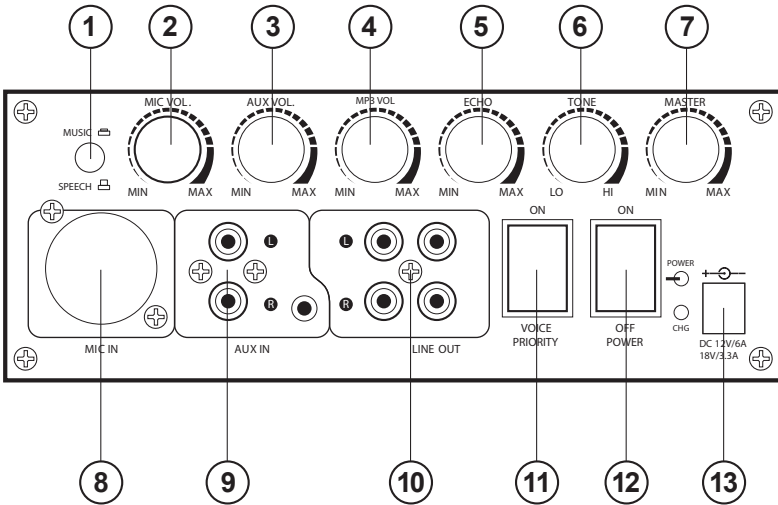
Repeat All	Random Play	Repeat One

a. Repeat all: repeat all the songs in the selected memory
b. Random: play all the songs in random order.
c. Repeat one: repeat only the current selected song.

6. Equalizer: Short press "EQ" on remote (11) to adjust equalizer, the following equalizer preset are available:

Natural	Jazz	Rock	Pop	Classic

7. Insert SD card into slot (9), or insert USB drive into slot (10), the files will be read automatic; If insert SD card and USB into slot simultaneously, press Mode (1) to shift

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Warning: Before using any SD card, make sure it is first formatted. Cards can for formatted by inserting them into a computer and clicking "My Computer", then right-clicking on the drive & clicking "Format". All the data on the drive will be deleted and become unrecoverable. Don't disconnect during the format process or it could completely disable the player so that it will not work. Once formatting is complete, disconnect the USB cable and reconnect it again. The cable when formatting. Disconnect USB after finished formatting, then reconnect to player / computer. If the player freezes up for any reason, turn it off for 3 seconds, and then turn the power back on.

PA Control Section

1. Music Speech Button

2. Microphone Volume

3. Auxillary Volume

4. MP3 Volume

5. Echo Control

6. Tone Control

7. Master Volume Control

8. Microphone Input Jack

9. Auxilliary Inputs, L & R, single 3.5mm from mobile device

10. Audio Line Out, L & R

11. Voice Priority Switch

12. Power Switch

13. DC Power Input Jack

Control Panel

Microphone Input (MIC IN)

Connect a microphone to the microphone (XLR or 1/4" plug) input jack. The Microphone Volume is used to control the level of the input signal.

Music/Speech

Press this button to change the microphone input setting. When button is up, it is set to speech and should be used when a microphone is connected to the input. When connecting a sound source (such as an external media player, the button should be set in the down position to enable full bandwidth music playback.

Line In (AUX IN)

Connect to the aux input jacks using RCA or 3.5mm plugs. The Aux Volume is used to control the level of the input signal.
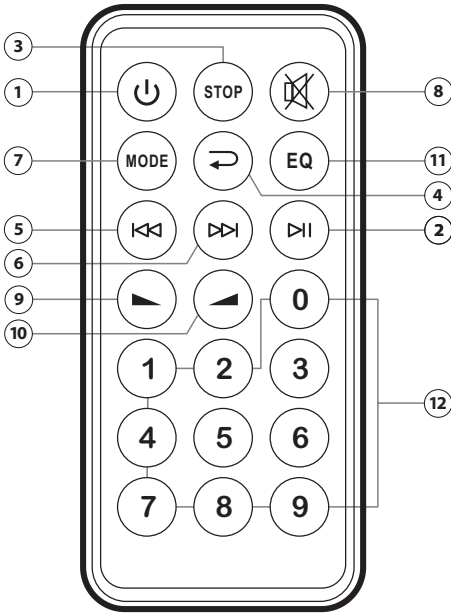
Line Out (LINE OUT, VIDEO OUT)

RCA jacks are used to connect to the input of another piece of equipment such as a stereo, mixer, or another amplified speaker. The line outputs are independent of the Master Volume control.

Voice Priority

This feature is used for voice override of the music program when using any microphone. The "ducking" circuit attenuates the music when a person speaks into the microphone. After a 3 second delay in the speech, the music returns to the previous level. Note: This function does not affect the iPod/iPhone audio output.

Remote Control

With Bluetooth

Remote Features

1. Power
2. Play / Pause
3. Stop
4. Repeat
5. Skip Previous / Rewind
6. Skip Next / Fast Forward
7. Mode
8. Mute
9. VOLUME DOWN (-)
10. VOLUME UP (+)
11. Equalizer
12. Numeric Key

Before the first use, open the battery cover, located on the back of the remote control. Remove the protective plastic film. The remote is now ready to use.

• The remote control may be used to operate the PA419 within 13 feet (4 meters) from the front or rear of speaker, within a 45 degree angle.

• The remote control battery should last for about a year. When the remote ceases to work, it may be time to change the battery. Open the remote control battery cover and replace the old battery with a new CR2025.

AC Operation

1. Turn all of the volume controls to their minimum setting.
2. Insert the DC plug, at the end of the AC adapter cord into the DC input jack.
3. Plug the AC adapter into AC power outlet socket. Use only with the included power adapter and make sure the local voltage corresponds on the adapter's required AC input voltage.
4. Turn on the power switch.

NOTE: If the AC plug of this unit does not fit in your AC outlet, a plug adapter (not supplied) should be used.

Battery Operation

To enable battery operation, first ensure that the internal battery is fully charged. To do this, follow the instructions above for AC Operation and let the battery recharge for at least 7 hours.

When the battery is charging, the CHG LED will light red. It will turn green when the battery is fully charged.

The pa419-02 can support two wireless mics at the same time for dual presenters.

Wireless Mics

1. Set the PA419-02 UHF Receiver to same frequency as the transmitting microphone by turning the UHF Receiver knob to the desired frequency. If using a 2nd wireless mic, its channel must be different from mic #1.
2. The Power LED will light up red when the UHF Receiver is turned on.
3. When a transmitter is connected, the RF A/B LED will light green.
4. The AF LED will turn green when sound is being transmitted through the microphone to the PA419.
5. Slowly increase the volume to the desired level.

Note: that the master volume of the PA419-02 may also need to be adjusted.

Trouble Shooting

Issue	Resolution
No Sound.	Check that the master volume is turned up as well as the volume control for the appropriate input and/or device.
The volume will not change.	Check each control knob and turn to desired position.
The unit does not power on.	The unit may not be charged. Plug the power supply in.

Specifications & Features

Functions	Amplifier, NFC, Bluetooth, 2 16-channel UHF receivers, XLR/1/4" Mic Input, RCA Aux Input, 3.5mm Aux Input, RCA Line Output, Composite RCA Video Outputs for iPod and DVD Player, Standard 1-3/8" tripod mounting hole on the bottom
Product Weight (incl. accessories)	14.6 lbs (6.6 kg)

Main System

Power Adapter	100-240V~50-60Hz switching-type with DC 18V/3.33A output
Working Voltage	12-18 V (DC)
Max Working Current	5 A
Battery Recharge Time	< 10 hours
Battery Usage Time	> 2 hours (Max Power) **Note: Usage time will depend on program material and battery age. If playing "loud" types of music (pop/rock) at maximum volume, usage time may be less (e.g. 1.5 hours).
Sensitivity (MIC)	7.4 mV
Sensitivity (AUX)	190 mV
Power Output	30 W (RMS)
Speaker	6.5 inch, 4 ohm, full-range
Battery Capacity	6 AH

Trouble Shooting

Receiver

Receiver Frequency	902-928 MHz
Channels	16
Receiver Sensitivity	-95 dBm
Receiver Type	FM

Warranty

Califone warrants this product to be free from defective material and workmanship for two years from the purchase date. Our "Project Intercept" Customer Satisfaction program will replace defective parts and repair malfunctioning equipment under this warranty when the defect occurs under normal use.

All Damage Claims Must Be Made With the Freight Carrier

Notify the freight carrier immediately if you observe any damage to the shipping carton or product. Repack the unit in the carton and await inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

Returning Your Unit for Service or Repairs

Should your unit require service, contact our Customer Service Department online at califone.com/techsupport or via email warranty@califone.com or by phone at 800-722-0500 / 818-407-2400 to first obtain an RA (Return Authorization) number before returning it to Califone. The unit must be returned to our factory via prepaid transportation only after the factory issues an RA number, which must be clearly written on the outside of the box.

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