



PI30 Series

Field Array Speaker Owner's Manual

califone.com



PI30
16-Channel
UHF Powered
Speaker



PI30-PS
Powered
Speaker



PI30-SP
Non-Powered
Speaker



PI30 Field Array Speaker Owner's Manual

Thank you for purchasing this PI30 Field Array Speaker for use in school, business, house of worship and government facilities.

I invite you to register your product online for warranty coverage at our website: www.califone.com — while you're there — make sure to visit our complete line of portable and installed pa systems, multimedia players and recorders, wired and wireless headphones and headsets, computer peripherals and other Califone products.

While online, make sure you register your Field Array Speaker for its six year warranty.

Sincerely,

A handwritten signature in black ink, appearing to read "Roscoe Anthony". The signature is fluid and cursive, with a long, sweeping tail that extends to the right.

Roscoe Anthony
President, Califone® International, Inc.

Unpacking

Check carefully for damage which may have taken place during transit. Report any damage claim directly to the freight carrier immediately. Save product(s) and packaging for inspection by the carrier's claim agent. Notify your dealer of the pending claim.

Warranty Registration

Please register for your 6-year warranty online at www.califone.com to activate.

Service Repairs

Should your unit require repair contact the dealer or Califone Service Department at: (800) 722-0500 to obtain a Return Authorization number. After receiving the RA, ship the unit to Califone prepaid. Collect shipments will be refused.

Contents

- a) Field Array Speaker
- b) AC/DC power adapter (not with non-powered PI30-SP)
- c) Mounting bracket with assembly hardware
- d) User guide

PI30

16-CHANNEL UHF POWERED FIELD ARRAY SPEAKER

SPECIFICATIONS

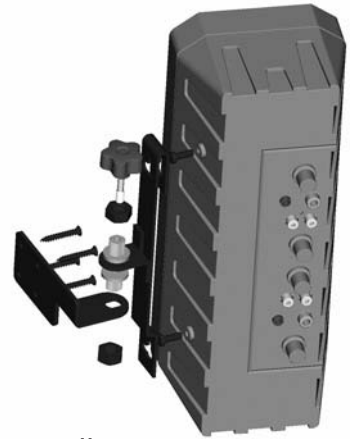


- | | |
|---|---|
| 1 | UHF Channel Selector |
| 2 | 1/4" Microphone Jack (2) |
| 3 | Audio Line-In RCA Jacks (2) |
| 4 | Volume On/Off and Volume Control |
| 5 | Power On LED |
| 6 | Tone Control |
| 7 | DC Jack (2) |
| 8 | Wireless Receiver Power On/Off and Volume |
| 9 | Audio and UHF LED's |

PI30-PS

POWERED
FIELD ARRAY
SPEAKER

SPECIFICATIONS



For Wall
Mounting
of PI30 Series
Field Array
Speaker

- 1 Volume On/Off and Volume Control
- 2 Tone Control
- 3 Audio Line-In RCA Jacks
- 4 1/4" Microphone Jack
- 5 Volume On/Off and Volume Control DC Jack

PI30-SP

NON-POWERED FIELD ARRAY SPEAKER

SPECIFICATIONS



1



For
Clamping
to a White
Board for
PI30 Series
Field Array
Speaker

1 Spring Loaded Terminals

Setup and Operation for Powered Array Speakers (PI30 and PI30-PS)

Power

Plug the power adapter into a standard AC outlet and the DC plug into either of the DC jacks on the rear of the speaker.

Microphone

For a cabled microphone, plug it into one of the 1/4" phone jacks before turning on the power. Turn the power ON (the red LED will light) and adjust the volume to the desired level while speaking into the microphone.

Receiver

If using a wireless microphone transmitter, first turn on the receiver power and adjust the volume to 10 o'clock. Then turn the speaker power and adjust the volume level to 10 o'clock.

Line-In

Two pair of RCA jacks are provided to connect audio from CD, LCD Projector or other audio sources. The Left and Right channels are "summed" because the speaker system is monaural.

Tone Control

The tone control would normally be set at 12 o'clock and will have little effect when using a microphone. When playing music turning the control clockwise will increase the treble, while turning counter clockwise will increase the bass.

LED Indicators

There are two LED indicators behind the speaker grille. Red indicates that there is a UHF transmission signal from the microphone. The green lights when audio is being transmitted.

For 16-Channel UHF Powered Speaker Only

Transmitters

There are two wireless microphone transmitters available; Q-316 handheld microphone and M-316 Beltpack transmitter.

Q-316

Install 2 AA Alkaline batteries (included) and switch ON the Microphone. Wait 5 seconds prior to talking into the microphone. Adjust the UHF receiver volume and speaker volume to the desired level.

M-316

Install 2 AA Alkaline batteries (included). Plug in one of the three available microphones. (see page 5). The M-316 has a volume control which should be set at the lowest level before turning on the power. After turning the power ON gradually increase the volume to a comfortable level. As with the handheld microphone there is a 3-5 second delay before transmitting.

Microphone Lockout

Two wireless microphones cannot be used at the same time unless one is turned off while the other is being used. Otherwise the first to be turned on will block out the other.

NOTES

Turn the transmitter power switch off when not being used to minimize battery drain.

Specifications

Speaker System (PI30, PI30-PS and PI30-SP)

Power Capacity 30 Watts RMS power capacity, 6 Ohms impedance
Sound Pressure Level: 93 dB, 1 Watt @ 1 Meter
Dispersion: -3dB @ 120 degrees off axis
Frequency Response: 250Hz to 12KHz
Transducers: Three each 3.5" Diameter, High Energy Neodymium Magnets,
10 Watts RMS capacity 3/4" Dia. Voice Coil, 16 Ohm

Amplifier: 15 Watts RMS @ 5% THD
Power Source: 100-240 volt AC universal power supply
12 VDC to amplifier

Dimensions: 12" H x 5" W x 4" D

Weight:
Speaker 3 lbs.
Bracket 1.3 lbs.

Compliance: Power Adapter CE, C-UL

PI30 Only

Wireless System

Receiver: One 16 channel selectable UHF diversity wireless receivers 798-805 MHz.
Antennas are hidden internally.



Microphone Transmitters: Handheld wireless microphone or beltpack transmitters
optional. Powered by 2 ea. 1.5 volt AA batteries (included). Choice of headset,
collar or lapel microphone for the beltpack.


PI30 and PI30-PS

Line In Line level RCA jacks (2) providing for audio input from CD, Tuner,
LCD projector via cable.

Mic. In 1/4" jack for microphones with a cable.

	CAUTION RISK OF ELECTRIC SHOCK - DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		

 <p>The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.</p>	 <p>The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.</p>
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	<p>This product is not designed to function normally in strong electromagnetic fields. Consequently, the audio quality may degrade while the product is exposed to strong electromagnetic fields. Normal audio quality operation will be recovered when the strong electromagnetic field is no longer present.</p>
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<p>WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, SO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.</p>
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	<p>Ce produit n'est pas conçu pour un fonctionnement dans de forts champs électromagnétiques. Par conséquent, la qualité sonore peut diminuer si ce produit est exposé à un fort champ électromagnétique. La qualité sonore redeviendra normale après affaiblissement du champ électromagnétique.</p>
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IMPORTANT SAFETY INSTRUCTIONS

ATTENTION: ALL SAFETY AND OPERATING INSTRUCTIONS SHOULD BE READ BEFORE OPERATING APPLIANCE. ALL OPERATING AND USE INSTRUCTIONS SHOULD BE FOLLOWED WHEN OPERATING THE APPLIANCE. HEED AND ADHERE TO ALL WARNINGS ON THE APPLIANCE AND IN THE OPERATING INSTRUCTIONS. RETAIN ALL SAFETY AND OPERATING INSTRUCTIONS FOR FUTURE REFERENCE.

WATER & MOISTURE - DO NOT USE THE APPLIANCE NEAR WATER; I.E. BATHTUB, WASHBOWL, KITCHEN SINK, LAUNDRY TUB, WET BASEMENT OR SWIMMING POOL.

VENTILATION - DO NOT SITUATE THE APPLIANCE SO THAT ITS LOCATION OR POSITION INTERFERES WITH ITS PROPER VENTILATION. FOR EXAMPLE, THE APPLIANCE SHOULD NOT BE SITUATED ON A BED, SOFA, RUG OR SIMILAR SURFACE THAT MAY BLOCK THE VENTILATION OPENINGS. THE APPLIANCE SHOULD NOT BE PLACED IN A BUILT-IN INSTALLATION, SUCH AS A BOOKCASE OR CABINET, THAT MAY IMPEDE THE FLOW OF AIR THROUGH THE VENTILATION OPENINGS.

HEAT - SITUATE THE APPLIANCE AWAY FROM HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES OR OTHER APPLIANCES (INCLUDING AMPLIFIERS) THAT PRODUCE HEAT.

POWER SOURCES - CONNECT THE APPLIANCE ONLY TO A POWER SUPPLY TYPE DESCRIBED IN THE OPERATING INSTRUCTIONS OR MARKED ON THE APPLIANCE.

GROUNDING OR POLARIZATION - PRECAUTIONS SHOULD BE TAKEN SO THAT THE GROUNDING OR POLARIZATION MEANS OF THE APPLIANCE ARE NOT DEFEATED.

POWER CORD PROTECTION - POWER SUPPLY CORDS SHOULD BE ROUTED SO THAT THEY ARE NOT LIKELY TO BE WALKED ON OR PINCHED BY ITEMS PLACED UPON OR AGAINST THEM, PAYING PARTICULAR ATTENTION TO CORDS AT PLUGS, CONVENIENCE RECEPTACLES, AND THE POINT WHERE THEY EXIT FROM THE APPLIANCE.

CLEANING - THE APPLIANCE SHOULD BE CLEANED ONLY AS RECOMMENDED BY THE MANUFACTURER.

NON USE PERIODS - UNPLUG THE APPLIANCE POWER CORD FROM THE OUTLET WHEN LEFT UNUSED FOR A LONG PERIOD OF TIME.

OBJECT & LIQUID ENTRY - CARE SHOULD BE TAKEN SO THAT OBJECTS DO NOT FALL AND LIQUIDS ARE NOT SPILLED INTO THE ENCLOSURE THROUGH OPENINGS.

DAMAGE REQUIRING SERVICE - THE APPLIANCE SHOULD BE SERVICED BY QUALIFIED SERVICE PERSONNEL WHEN: (A) THE POWER SUPPLY CORD OR THE PLUG HAS BEEN DAMAGED (B) OBJECTS HAVE FALLEN OR LIQUID HAS BEEN SPILLED INTO THE APPLIANCE (C) THE APPLIANCE HAS BEEN EXPOSED TO RAIN (D) THE APPLIANCE DOES NOT APPEAR TO BE OPERATING NORMALLY OR EXHIBITS A MARKED CHANGE IN PERFORMANCE (E) THE APPLIANCE HAS BEEN DROPPED OR THE ENCLOSURE DAMAGED.

SERVICING - THE USER SHOULD NOT ATTEMPT TO SERVICE THE APPLIANCE BEYOND THAT DESCRIBED IN THE OPERATING INSTRUCTIONS. ALL OTHER SERVICING REFER TO A QUALIFIED SERVICE PERSONNEL.



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