



M319

Beltpack Transmitter
Owner's Manual

Thank you for choosing the M319 Beltpack transmitter. It provides wireless audio transmission to the Califone® PA919SD, PA919, PA919PS PA systems and can be used for indoor and outdoor applications.

We encourage you to visit our website to register your M319 at califone.com/ registration for its warranty coverage, and while there sign up for our newsletter and also learn more about the complete line of Califone audio visual products including: Portable and installed wireless PA systems, multi-media players & recorders, headphones and headsets, computer peripheral equipment, visual presentation products and language learning materials.

Package Contents:
(1) M319 16-Channel UHF Transmitter
(1) User Manual



The M319 is compatible with these Califone UHF products.



PA919SD

PA919PS

PA919

NOTE:

There are two wireless 900MHz mic receivers on the PA919SD and PA919 (single frequency on the PA919PS). These frequencies are not compatible with any PA916 Series PAs, or the M-316 or Q-316 microphones. In the US, only the low power (5dBm) setting should be used to comply with FCC Part 15 requirements.



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Beltpack Transmitter



M319 Owner's Manual

900MHz Frequency

Product Compatibility

The M319 Beltpack Transmitter (and Q319 Microphone) are compatible with the PA919SD, PA919, PA919PS PAs. They are not compatible with the PA916 series PAs or the M-316 or Q-316 microphones.

Warranty Registration

The warranty for the M319 specifically covers use in schools, churches, and business & industry applications, unlike consumer electronic products. This is critical to help avoid lost class time due to "down" equipment and helps stretch budgets.

Califone warrants the M319 to be free from defective material and workmanship for one year from the purchase date. Our "Project Intercept" Customer Satisfaction program will replace defective parts and repair malfunctioning products under this warranty when the defect occurs under normal use, provided the unit is returned to our factory via prepaid transportation only **after the factory issues an RA (Return Authorization) number which must be clearly written on the outside of the shipping box.**

All Damage Claims Must Be Made With The Freight Carrier

Notify the freight carrier immediately if you observe any damage 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.

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Returning your unit for service or repairs

Should your unit require service, contact your dealer or our Customer Service Department directly via email (warranty@califone.com), or by phone at 800-722-0500 / 818-407-2400 to first obtain a Return Authorization (RA) number before sending it back to Califone.

Damage Requiring Service

The M319 should be serviced by qualified service personnel when:

- Objects have fallen on it or liquid has been spilled onto it
- It has been exposed to rain
- It does not appear to be operating normally or exhibits a marked change in performance
- It has been dropped or the enclosure damaged

All shipments to Califone must include the RA number clearly marked on the exterior of the shipping carton and must shipped prepaid. C.O.D. shipments will be refused and returned at your cost.

Servicing

The user should not attempt to service the M319 beyond that described in these operating instructions.

Operating Instructions:

The microphone frequency must first be set to the same frequency as the receiving PA.

1. Open th battery cover and insert a 9V battery (*not included*) into battery compartment. Close the battery cover.
2. Adjust the volume knob to minimum.
3. Connect one of the Califone microphones (shown on pages 3 & 4) to the 3.5mm mic input jack. The M319 can accept dynamic or electret microphones.
4. Turn on the M319 power switch. The LCD will display the current transmit channel.
5. To change the transmit channel:
 - Use a pen to hold the channel down ▼ button for about 3 seconds.
 - The transmit channel will begin to flash on the LCD.
 - Release the down button. ▼
 - Then use the up/down buttons to change to the desired transmit channel.
- After about 3 seconds the transmit channel will be set and the channel on the LCD display will be solid.
- Make sure the transmit channel is not being used by any other transmitters in the area or there could be audible interference. If there is any interference or distortion, try using a different channel.*
6. Set the Califone receiver to the same channel as the transmitter.
7. Turn on the receiver and first adjust its volume level.
8. Then turn the M319 on and adjust its volume level to the desired level.

LM-316



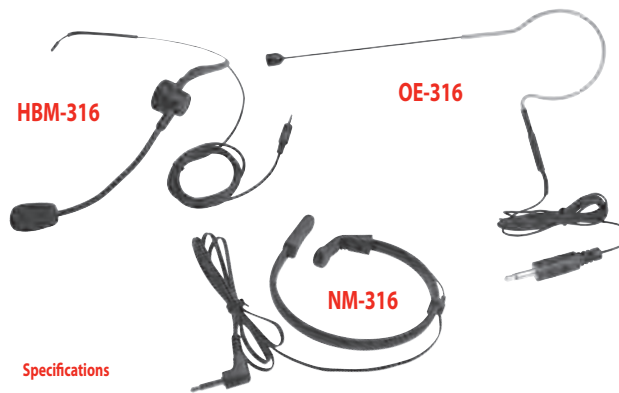
CM-316

* Since the PA919SD and PA919 each have two built-in wireless receivers, make sure the corresponding M319 (or Q319) transmitters are set to different frequencies (one for each channel).

Power Adjustment (Optional):

1. The power output of the M319 can be adjusted between low (5mW) and high (10mW) power settings, depending on the level of interference or the range of required transmission (low power up to 40'/high power up to 200'). When there may be other PA products used in neighboring or adjoining rooms, using the low setting will reduce the occurrence of experiencing any interference.
2. With the power off, simply change the transmit power by moving the switch to the desired setting.

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HBM-316

OE-316

NM-316

Specifications

Carrier Frequencies	902 ~ 928 MHz (16 channels)
Modulation	FM
Frequency Stability	±5KHz
Transmitting Power	Switchable: 5dBm / 10dBm
Spurious Rejection	>55dB
AF Modulation Depth	20K (AF=1KHz50MV)
Volume Code Modulate Depth	3.5K ± 0.5K
AF Frequency Response	80Hz~18KHz (±3dB)
S/N	>90dB
Distortion	<1% (AF=1 KHz)
Dynamic Range	>90dB
Transmission Distances	High setting – approximately 200 feet Low setting – approximately 40 feet
Operating Voltage	DC 6V~9V
Current	<42MA
Safety / Compliance Testing	FCC, RoHS
Battery	Requires 9V battery (not included)
Operational Temperature	-10°C to +60°C
Input Jack	3.5mm

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