



**EM-95ML Mobile
Lavalier Microphone
With In Line
Amplifier**



MACKIE EM-95ML Mobile Lavalier Microphone With In Line Amplifier Owner's Manual

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MACKIE EM-95ML Mobile Lavalier Microphone With In Line Amplifier



Specifications

Specification	Details
Element	Condenser
Polar Pattern	Omnidirectional
Frequency Response	50 Hz – 20 kHz
Sensitivity	–41 dB
Signal-to-Noise Ratio	75 dB
Input Voltage	5VDC
Output Impedance	2.2 KΩ
Battery Specification	Polymer Li-ion Battery: 3.7V, 250mAh, 0.925Wh
Size (H × W × D)	0.6" × 1.1" × 2.2" (15 × 28 × 56 mm)
Weight	0.1 lb (0.05 kg)
Note	All specifications subject to change

Product Usage Instructions

- **Setup:**
Before using the EM-95ML Lavalier Microphone with In-Line Amplifier, ensure the built-in rechargeable battery is fully charged. Connect the microphone to your smartphone or DSLR using the provided cables.
- **Adjusting Gain:**
The in-line amplifier features adjustable gain for precise level control. Use the gain control to set the

microphone's output level according to your recording environment.

- **Real-Time Monitoring:**

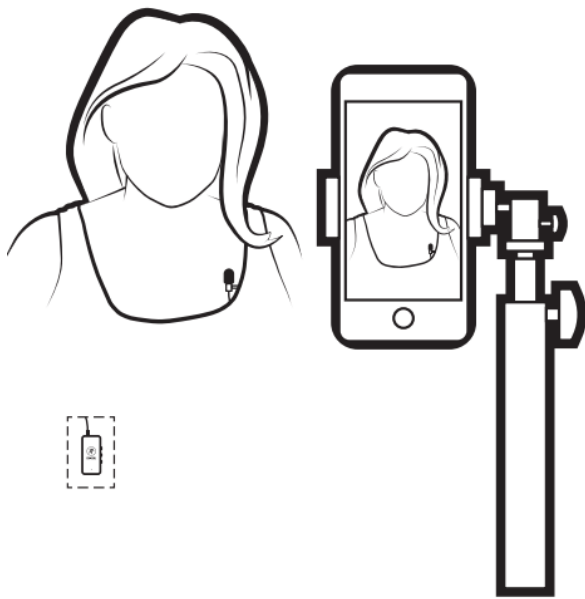
If you require real-time monitoring, connect a pair of headphones directly to the in-line amplifier. This allows you to monitor the audio being recorded and make adjustments as needed.

- **Maintenance:**

After each use, clean the microphone by gently wiping the exterior with a dry cloth. Store the microphone in a safe place away from extreme temperatures and moisture when not in use.

APPLICATIONS

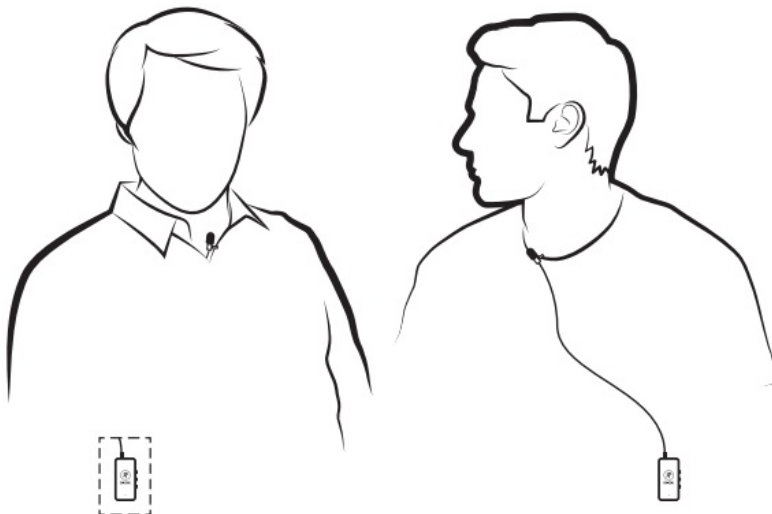
Video Production



Live Streaming



Interviews



Mobile Journalist (MoJo)



IMPORTANT SAFETY INSTRUCTIONS

1. Read, follow, and keep these instructions. Heed all warnings.
2. Do not expose the microphone to extreme cold or heat.
3. Do not expose the microphone to rain, use it in water or in damp or wet conditions.
4. Do not expose the microphone to any excessive dust and other foreign particles.
5. Keep the microphone clean by washing outside with a dry cloth.
6. Keep the microphone stored when not in use.
7. Never attempt to disassemble the microphone.
8. The maximum ambient temperature during use of the appliance must not exceed 45° C // 113° F.
9. This device complies with Part 15 of the FCC Rules [and contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS standard(s)].


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 of the device.
10. **NOTE:** 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 or more of the following measures:
- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and the 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. Canada ICES-003(B)/NMB-003(B)
- CAUTION:** Changes or modifications to this device not expressly approved by LOUD Audio, LLC. could void the user's authority to operate the equipment under FCC rules.
11. Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a period of time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible noise level exposures shown in the chart. According to OSHA, any exposure in excess of these permissible limits could result in some hearing loss:

Duration (per day in hours)	Sound Level (dB)
8	90
6	92
4	95
3	97
2	100
1.5	102
1	105
0.5	110
0.25 or less	115

- **WARNING** — The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
- **CAUTION** — Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- **CAUTION** — A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.



Correct disposal of this product: This  symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

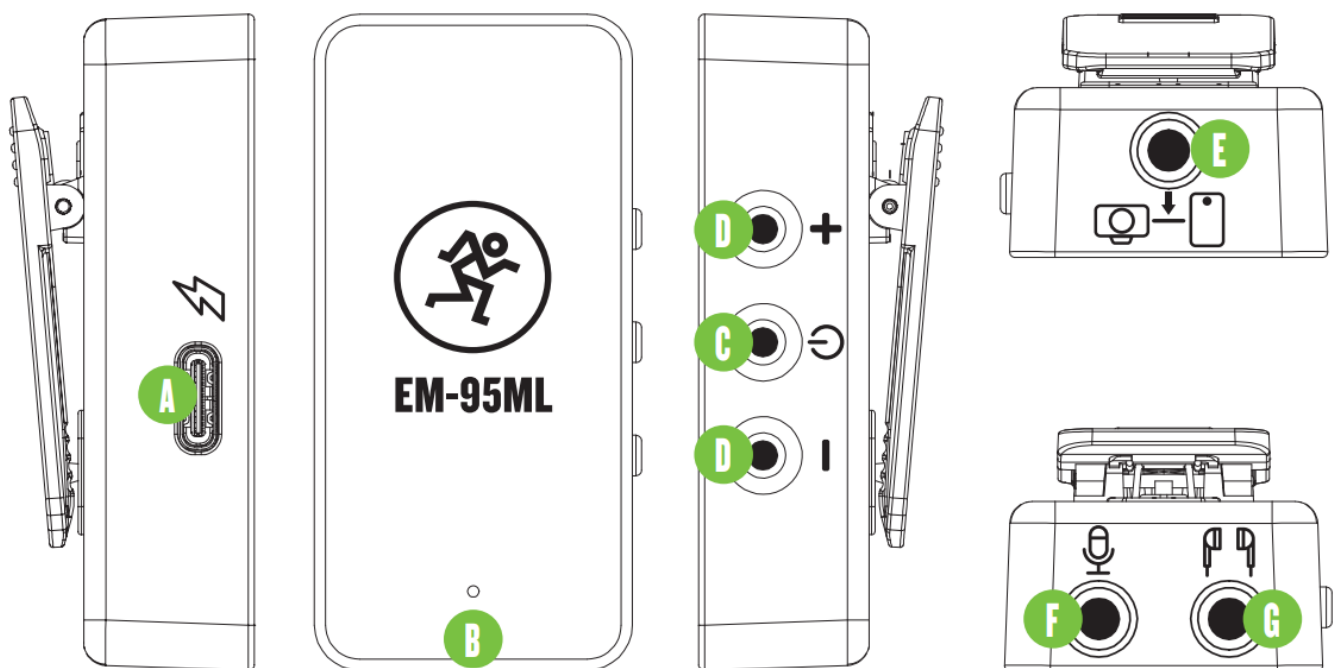
INTRODUCTION

- The EM-95ML Lavalier Microphone with In-Line Amplifier makes professional recordings on smartphones and DSLRs easy thanks to a specially designed in-line amplifier and broadcast-worthy microphone.
- The clip-on in-line amplifier keeps your audio clean while boosting output for clear, broadcast-worthy recordings. And with a built-in rechargeable battery, you can use it all day with no worries.
- If you need real time monitoring, you can connect a pair of headphones directly to the amplifier. Adjustable gain provides precise level control for your mic allowing you to dial it in just right.
- Using an omnidirectional condenser design, the included lavalier mic is designed to capture all the rich detail from your voice.
- So clip on an EM-95ML and see what it can do for your on-the-go recordings, podcasts, video productions, live streams, and more.

FEATURES

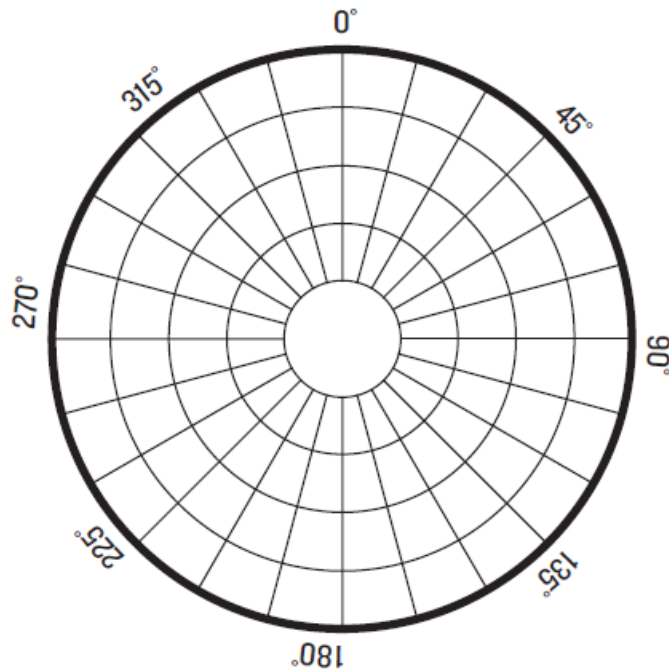
- PREMIUM LAVALIER MICROPHONE WITH IN-LINE AMPLIFIER PROVIDES CLEAR, HIGH-OUTPUT AUDIO
- OMNIDIRECTIONAL CONDENSER DESIGN DELIVERS DETAIL AND WARMTH
- CLIP-ON IN-LINE AMPLIFIER PROVIDES HIGH LEVEL OUTPUT FOR HIGHER QUALITY AUDIO AND LESS NOISE
- ADJUSTABLE GAIN ON THE AMPLIFIER ALLOWS FOR PRECISE LEVEL CONTROL
- PERFECT FOR BOTH SMARTPHONES AND DSLRS
- INCLUDES A FOAM WINDSCREEN
- RECHARGES VIA USB-C WITH INCLUDED CABLE

GETTING STARTED



- The USB-C port (A) is used for charging. Connect the USB-C side of the included USB cable to the in-line amplifier and the USB-A side to a USB port.
- The front panel LED (B) will illuminate solid red when charging and turns off when fully charged.
- The EM-95ML may be powered on by pressing and holding the power button down (C) to turn the amp on and off. When powered on, the front panel LED will illuminate solid green.
- Press and hold the volume switch (D) down to adjust the overall gain. Note that maxing the volume here will cause the noise floor to increase. These noises are undesirable and should be kept in check. We suggest recording at a more nominal level where extraneous noise will be much lower – or even inaudible – to most.
- Plug one end of the included long black cable (1/8" TRS to 1/8" TRS) into the EM-95ML (E). The other end of the cable connects either (1) to the “audio in” of a DSLR device: camera, camcorder, audio recorder or other audio/video recording device, OR (2) to the included short adapter (1/8" TRRS) which then connects to a phone, tablet or laptop.
- Connect the included lavalier microphone with clip and foam windscreen to the 1/8" input (F) in order to transmit audio.

OMNIDIRECTIONAL



The 1/8" phones jack (G) supplies the output to stereo headphones for direct monitoring. NOTE: Your ears are important to us! Be careful of permanent hearing damage. Lower the volume on your device. Even intermediate levels may be painfully loud. Always turn the volume all the way down before connecting the headphones or doing anything new that may affect the headphone volume. Then, turn it up slowly as you listen carefully.

NEED HELP WITH THE MICROPHONE?

- Visit www.mackie.com and click Support to find: FAQs, manuals, and addendums.
- Telephone 1-[800-898-3211](tel:800-898-3211) to speak with one of our splendid technical support chaps (Monday through Friday, normal business hours, Pacific Time).

LIMITED WARRANTY

Please keep your sales receipt in a safe place.

- This Limited Product Warranty ("Product Warranty") is provided by LOUD Audio, LLC. ("LOUD") and is applicable to products purchased in the United States or Canada through a LOUD-authorized reseller or dealer. The Product Warranty will not extend to anyone other than the original purchaser of the product (hereinafter, "Customer," "you," or "your").
- For products purchased outside the U.S. or Canada, please visit www.mackie.com to find contact information for your local distributor and information on any warranty coverage provided by the distributor in your local market.
- LOUD warrants to Customer that the product will be free from defects in materials and workmanship under normal use during the Warranty Period. If the product fails to conform to the warranty then LOUD or its authorized service representative will at its option, either repair or replace any such nonconforming product, provided that Customer gives notice of the noncompliance within the Warranty Period to the Company at: www.mackie.com or by calling LOUD technical support at 1.800.898.3211 (toll-free in the U.S. and Canada) during normal business hours Pacific Time, excluding weekends or LOUD holidays. Please retain the original

dated sales receipt as evidence of the date of purchase. You will need it to obtain any warranty service.

- For full terms and conditions, as well as the specific duration of the Warranty for this product, please visit www.mackie.com.
- The Product Warranty, together with your invoice or receipt, and the terms and conditions located at www.mackie.com constitutes the entire agreement and supersedes any and all prior agreements between LOUD and Customer related to the subject matter hereof. No amendment, modification or waiver of any of the provisions of this Product Warranty will be valid unless set forth in a written instrument signed by the party to be bound thereby.

CONTACT

- 19820 North Creek Parkway #201 Bothell, WA 98011
- **USA Phone:** 425.487.4333
- **Toll-free:** 800.898.3211
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- www.mackie.com

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FAQ

Q: Can I use the EM-95ML with other devices besides smartphones and DSLRs?

A: The EM-95ML is specifically designed for use with smartphones and DSLRs. While it may work with other devices, optimal performance is guaranteed with the recommended devices.


Q: How long does the battery last on a full charge?

A: The built-in rechargeable battery provides all-day usage. The exact duration may vary depending on usage and settings.



Q: Is the microphone waterproof?

A: No, do not expose the microphone to rain, water, or damp conditions. Keep it clean by wiping with a dry cloth.

Documents / Resources

	MACKIE EM-95ML Mobile Lavalier Microphone With In Line Amplifier [pdf] Owner's Manual EM-95ML Mobile Lavalier Microphone With In Line Amplifier, EM-95ML, Mobile Lavalier Microphone With In Line Amplifier, Lavalier Microphone With In Line Amplifier, Microphone With In Line Amplifier, Line Amplifier
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References

-  [One moment, please...](#)
-  [MACKIE](#)
- [User Manual](#)

