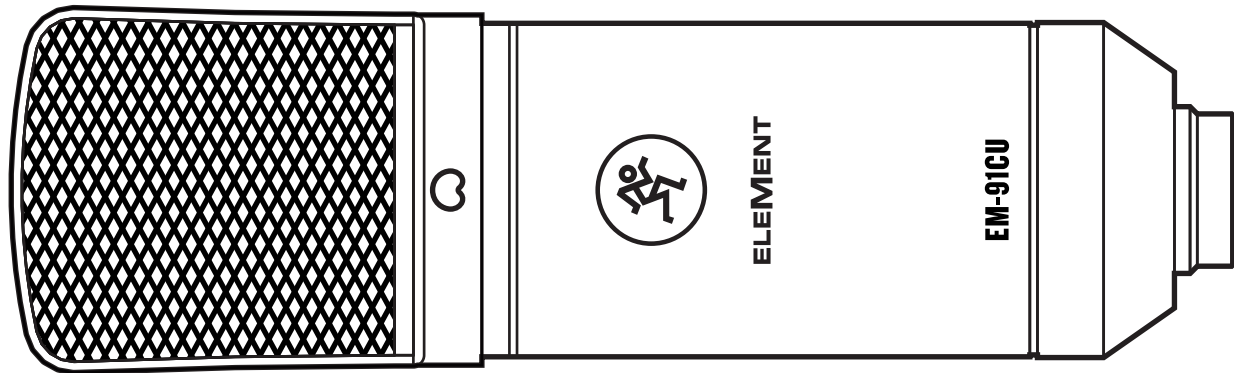




EM-91CU

USB Condenser Microphone



OWNER'S MANUAL



www.mackie.com

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 in the case when not in use.
7. Never attempt to disassemble the microphone.
8. Mackie cannot be held responsible for any damage caused by improper use or modifications of the microphone.
9. 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:
10. This device complies with part 15 of the FCC rules for the U.S. and the ICES-003 for Canada. 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.

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



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.

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.

FEATURES

EFFORTLESS SETUP, INCREDIBLE SOUND

- Great for content creation, live streaming, online meetings, and more
- Plug and play design, no drivers or software needed
- Standard USB connection

PROFESSIONAL DESIGN INSIDE AND OUT

- Low-noise circuitry
- Studio-grade components
- Built-Like-a-Tank™ construction for years of reliability

CARDIOID POLAR PATTERN

- Rejects peripheral noise to keep your recordings and streams crystal clear

INCLUDED SOFTWARE

- Pro Tools® | First and Waveform™ OEM professional software and plugin packages included
- The Musician Collection for ProTools | First includes 23 plugins like BBD Delay, Eleven Lite, 304E EQ, and 304C Compressor
- The DAW Essentials™ Bundle for Waveform OEM includes 16 powerful plugins like Equaliser, Compressor, Reverber8, and Limiter

BIT DEPTH / SAMPLE RATE: 16-BIT / 48KHZ

INCLUDED ACCESSORIES

- Shock mount
- USB type B cable

INTRODUCTION

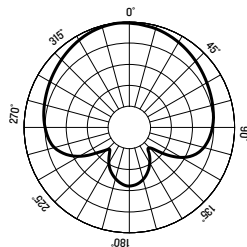
The EleMent Series EM-91CU USB Condenser Microphone delivers immaculate sound reproduction and worry-free reliability every time.

Whether you're needing to have a remote meeting, record your latest video, or track dialogue, the EM-91CU delivers with easy plug and play setup.

Get recording fast with included Pro Tools® | First and Waveform™ professional software.

With incredible sound and built-like-a-tank construction, the EM-91CU USB Condenser Microphone is ready to take your sound to the next level.

SUPER-DIRECTIONAL @1 kHz



SYSTEM REQUIREMENTS

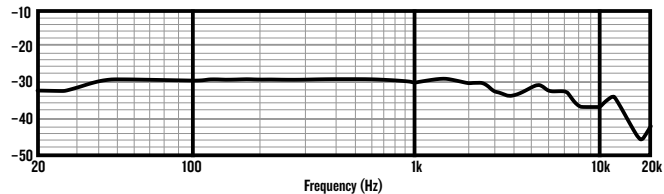
PC

WINDOWS XP PRO, XP HOME, VISTA, 7, 8, 10
USB 1.1 / 2.0 (64 MB RAM MINIMUM)

MAC

MAC OS X (10.11 OR HIGHER)
USB 1.1 / 2.0 (64 MB RAM MINIMUM)

FREQUENCY RESPONSE GRAPH





1. USB-B Port Connect the USB-B side of the included USB cable to the microphone and the USB-A side to the computer's USB port.

GETTING STARTED

1. Read and understand the Important Safety Instructions on page 4.
2. Connect the USB-B side of the included USB cable to the microphone and the USB-A side to the computer's USB port.
NOTE: Do not use a USB hub, keyboard's USB port, etc. Plug directly into an open USB port on the computer.
3. Computer setup instructions [plug-and-play, no drivers required!]:
Mac: System Preferences > Sound > Input (and Output) > USB Microphone
PC: Control Panel > Hardware and Sound > Sound > Playback (and Recording) > USB Microphone (make default).
Make sure the input and output levels of the computer are un-muted and up.

4. Open up your favorite DAW and start a new session.
5. While most DAWs work (relatively) the same, the path to recording may be different. As such, refer to your DAW's manual on how to open new sessions, create tracks, select the USB microphone, arm tracks and the best part... recording! Have fun!

Technical Specifications	EM-91CU
Element	Black Electret Condenser
Polar Pattern	Uni-directional
Frequency Response	20 Hz - 17 kHz
Sensitivity	-34 dB ±2 dB (0 dB = 1 V/Pa @ 1 kHz)
Load Impedance	≥1000 Ω
Output Impedance	100 Ω ±30% (@ 1 kHz)
Max SPL	132 dB (@1 kHz ≤ 1% THD)
Equivalent Noise Level	16 dB A
Signal-to-Noise Ratio	78 dB
Sample Rate	16-Bit / 48 kHz
Size (H × W)	6.3" × 1.7" 160 × 44 mm
Weight	0.46 lb • 0.21 kg
	All specifications subject to change

NEED HELP WITH THE MICROPHONE?

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