



USER GUIDE

CM-100

Condenser Measurement Microphone



Thank you for choosing the Nady CM-100 ultra linear classic diaphragm electret condenser microphone. Optimally designed for precise alignment applications such as room acoustics corrections. Perfect also for many recording uses, both instruments and vocals.

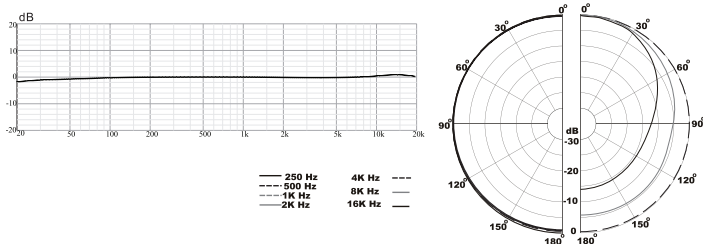
Features

- True, symmetric omni-directional pattern, high sensitivity, minimal self-noise, increased dynamic range, high SPL capability, and extremely smooth, linear 15Hz to 20KHz frequency response provide ultimate precise measurements and transparent recordings
- Perfect for use with realtime analyzers for precise, accurate room acoustics alignments
- Especially suited for highly effective, detailed recording of acoustic guitars and vocals
- Rugged construction, gold-plated XLR, and internal assembly shockmount for maximum reliability
- Includes foam windscreen for outdoor applications and mic stand clip (including 5/8" to 3/8" adapter)

Precautions and Care

- The microphone should never be dropped or subjected to extreme shock. Store only in a padded case to protect it during transport
- Keep the microphone away from extremely high temperatures (above 140°F or 60°C) and humidity and avoid leaving it in direct sunlight for long periods of time
- When using the microphone outdoors, avoid getting it wet
- After use in a high-moisture application such as a stage performance, wipe off the microphone with a dry cloth and allow it to air dry
- Do not store the unit in a closed space (e.g., a plastic bag) until all moisture has evaporated

Frequency Response / Polar Pattern



Standard Items Supplied

- CM 100 microphone
- Microphone clip
- Foam windscreen
- Instruction manual

Optional Accessories

- SMCC-1 Foam padded plastic carrying case
- SMPS-1 48V phantom power supply
- MST-5B microphone stand
- XC-20 XLR low noise 20 ft. microphone cable

Specifications

Transducer Type	Omni-directional electret condenser
Impedance	600 Ohms
Sensitivity	-40dB (0dB = 1V/Pa)
Frequency Response	20Hz-20kHz
Current Consumption	<2mA
Maximum SPL	>120dB
Connector	Gold-plated XLR
Phantom Power	15-48V
Dimensions	Diameter: 0.87" (22.22 mm) Length: 7.5" (190 mm)
Weight	4 oz (120 g)

Specifications subject to change at any time without prior notice for purposes of product improvement

Operation

Connecting the CM-100

The CM 100 can be used in live or studio alignment applications or studio recording. It must be powered by 48V phantom power (such as supplied by the optional Nady SMPS-1 phantom power supply or a mixing console/alignment device equipped with phantom power), and amplified by a microphone pre-amp (such as built into a mixer, or a stand-alone unit).

Note: Make sure to set the pre-amp to the proper gain level—too much gain may distort subsequent amplifiers and too little may result in a noisy signal)

The CM 100 can be connected to your mixer or phantom power supply using a standard balanced 3-pin XLR microphone cable. Before connecting to a mixer directly, turn the channel to which you're connecting to its lowest gain setting. If you are

using the Nady SMPS-1 Phantom Power Supply, connect in the following order:

1. Connect the CM 100 to the SMPS-1
2. Connect the SMPS-1 Signal Output to your mixer
3. Connect the SMPS-1 to the AC power supply (115-230VAC)
4. Turn on the SMPS-1 Power ON/OFF switch

Slowly turn up the channel gain in your mixer to the desired level.

Using the Foam Windscreen

The CM 100 is supplied with a foam windscreen (FW-1/100). This windscreen fits over the grill portion of the microphone and is designed primarily to decrease bass rumble (from wind noise pickup) during outdoor live or recording use. It is also useful in keeping mouth spray out of the microphone head. The FW-1 or other windscreen should be used whenever someone is close miked to both protect the microphone and to also eliminate "popping" sounds from percussive breath sounds.

Note: Be aware that the foam windscreen will slightly attenuate the high frequency response of the microphone.

Service Information

In the U.S. If you are experiencing operational problems with your system, please refer to the Support page at www.nady.com for assistance. Should your wireless system require service, please contact the Nady Service Department at (510) 652-2411 to obtain a Return Authorization (R/A) Number and service quote (if out of warranty). Make sure the R/A Number is clearly marked on the outside of the package that you are returning.

If your unit is out of warranty, please enclose a cashier's check or money order (or pay by credit card) per instructions by the Nady Service Department. Ship your unit prepaid to: Nady Systems, Service Department, 6701 Shellmound Street, Emeryville, CA 94608. Include a brief description of the problem you are experiencing. For service of a unit under warranty, please follow the instructions in the following section.

Outside the U.S. For service or warranty matters please contact the Nady distributor in your country through the dealer/store from which you purchased this product.

Do not attempt to service this unit yourself as it can be dangerous and will also void the warranty.

One Year Warranty

Nady Systems, Inc. warrants to the original consumer purchaser (U.S.A. only) that your unit is free from any defects in material or workmanship for a period of one year from the date of purchase. If any such defect is discovered within the warranty period, Nady Systems, Inc. will repair or replace the unit free of charge, subject to verification of the defect or malfunction upon delivery or shipping prepaid to Nady Systems.

Important: Please do not return our product to the store where it was purchased. Nady Systems, Inc. accepts the responsibility of keeping you a satisfied customer. This warranty does not apply to defects or physical damage resulting from abuse, neglect, accident, improper repair, alteration, or unreasonable use of the unit resulting in cracked or broken cases or parts, or units damaged by excessive heat, and does not apply to batteries or damage caused by leaking batteries. This warranty does not cover finish or appearance items nor items damaged in shipment en route to Nady Systems Inc. for repair. You must include proof of date and place of purchase (i.e. photocopy of your bill of sale) or we cannot be responsible for repairs or replacement. If factory service is required, you must contact our Service Department at 510/652-2411 for a return authorization (RA) number. Make sure the RA number is clearly marked on the outside of the package.

Nady Systems, Inc. will not repair nor be held responsible for any units sent without proper identification and return address or RA number clearly marked on the package.

For service, ship units prepaid to: Nady Systems, Inc., Service Department, 6701 Shellmound St., Emeryville, CA 94608.



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