

# NADY CM SERIES

## USER GUIDE

### CM 100 Condenser Measurement Microphone

Congratulations on purchasing 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.



This manual covers the operation of the CM 100 and the optional phantom power supply SMPS-1. To take full advantage of the superb features of this microphone, and to enjoy long and trouble-free use, please read this user's guide carefully.

#### UNPACKING, INSPECTION, STORAGE AND TRANSPORT

Your CM 100 microphone was carefully packed at the factory, and the carrying case is designed to protect the unit during shipping. Please retain this container in the highly unlikely event that you ever need to return your microphone for servicing.

#### STANDARD ITEMS SUPPLIED

CM 100 microphone  
Microphone clip  
Foam windscreen  
Instruction manual  
Warranty card  
SMCC-1 Foam padded plastic carrying case

#### OPTIONAL ACCESSORIES

48V phantom power supply (SMPS-1)  
MST-5B microphone stand  
XC-20 XLR low noise 20' microphone cable

#### 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)

#### WARNING

*The capsule is the heart of the condenser microphone. If it becomes dirty or wet, the sound will be degraded. Never spray any liquid on the microphone head. Always use a foam windscreen if you talk or sing close to the microphone grill screen.*

#### 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.)*

## CONNECTING THE CM 100

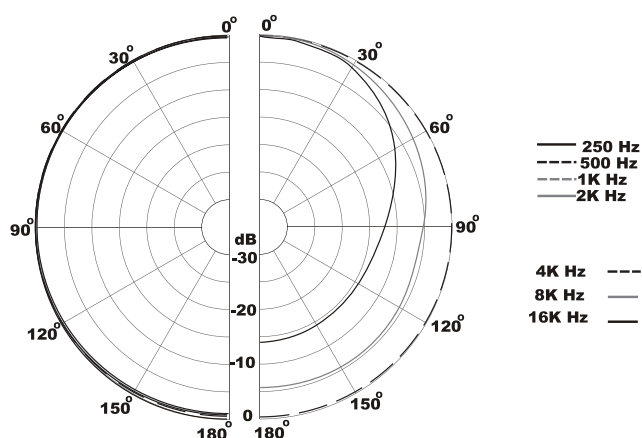
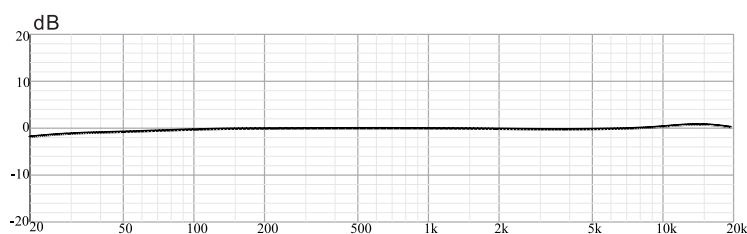
The CM 100 can be used in live or studio alignment applications or studio recording. It must be powered by 48V phantom power (such as supplied by the optional Nady SMPS-1 phantom power supply or a mixing console/alignment device equipped with phantom power), and amplified by a microphone pre-amp (such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

## FREQUENCY RESPONSE



## SERVICE

**(U.S.)** Should your Nady microphone require service, please contact the Nady Service Department via phone at (510) 652-2411 or e-mail at [service@nady.com](mailto:service@nady.com). **(INTERNATIONAL)** For service, please contact the Nady distributor in your country through the dealer from whom you purchased this product.

Date of purchase \_\_\_\_\_

Dealer's Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

*Do not attempt to service this unit yourself as it will void your warranty*

## CM 100 SPECIFICATIONS

Type .....Omni-directional electret condenser  
Impedance .....600 ohms  
Sensitivity .....-40dB (0dB = 1V/Pa)  
Frequency response .....20Hz-20kHz  
Current Consumption .....<2mA  
Max. SPL .....>120dB SPL.  
Connector .....Gold-plated XLR

Phantom power .....15-48V  
Size .....Diameter: .87" (22.22mm);  
Length: 7.5" (190mm)  
Weight .....4 oz (120 grams)

*Specifications and design subject to change for improvement purposes*