



# NADY CM SERIES

## USER GUIDE

### CM 95 Cardioid Condenser Microphones

Congratulations on purchasing the Nady CM 95 classic small diaphragm (20mm) condenser microphone. This superior microphone is perfect for recording and stage reinforcement of acoustic guitar, drum overheads, hi-hats, snares, piano and horns. Powerful and versatile, the CM 95 meets the stringent requirements of even the most demanding digital recording and live sound applications



This manual covers the operation of the CM 95 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 95 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 95 microphone  
Microphone clip  
Foam windscreen (FW-1/90)  
Instruction manual  
Warranty card  
SMCC-1 Foam padded plastic carrying case

#### OPTIONAL ACCESSORIES

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

#### FEATURES

- Low-cutoff and -10dB attenuation switches for utmost versatility in all applications
- High sensitivity, extended smooth, full frequency response and very high SPL capability
- Transformerless design for minimal self-noise and increased dynamic range
- Rugged, turned-brass housing and internal sub-assembly shockmount for maximum reliability

#### 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 95 is supplied with a foam windscreen (FW-1/90). 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 95

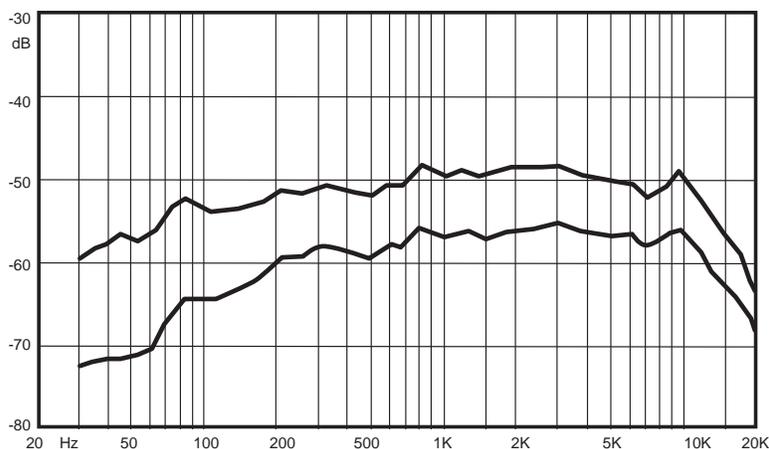
The CM 95 can be used in live sound reinforcement and broadcasting and in studio or live recording. It must be powered by 48V phantom power (such as supplied by the optional Nady SMPS-1 phantom power supply or a mixing console with phantom powering), and amplified by a microphone pre-amp (such as built 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 95 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 95 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 90 SPECIFICATIONS

Type ..... True condenser pressure-gradient mic with  
0.79 inch (20mm) diaphragm and FET

Polar pattern ..... Cardioid

Controls ..... Low cutoff and -10dB attenuation switches

Open circuit sensitivity ..... 14mV/Pa=-37dBV (0dBV=1V/Pa)

Frequency range ..... 40 to 20KHz

Rated output impedance ..... <200 Ohms

Recommended load impedance ..... ≥1000 Ohms

Max. SPL (1% THD @ 1000Hz) ..... 131 dB

Equivalent noise level to DIN  
DIN 45405(CCIR 468-2) ..... 28dB

Max. SPL (1% THD @ 1000Hz) ..... 131 dB

Power requirement ..... +48 VDC phantom power

Equivalent noise level to  
DIN 45405(CCIR 468-2) ..... 28 dB

IEC 268-4(A weighted) ..... 19 dB-A

S/N ratio re 1 Pa ..... 75 dB

Current consumption ..... <3mA

Ambient temperature range ..... 14°F to 140°F (-10°C to +60°C)

Relative humidity range ..... 90% (68°F, 20°C), 85% (140°F, 60°C)

Connector ..... 3-pin XLR (gold plated)

Phasing ..... Positive voltage on pin 2 relative to pin 3

Mic cable ..... 3-pin XLR standard cable (not supplied)

Size: Diameter ..... 0.9" (22mm), Length: 5.9" (150mm)

Net weight ..... 5 oz. (130g)

*Specifications and design subject to change for improvement purposes*