



# DM-90 Jumbo Kick Drum/Instrument Microphone

## USER GUIDE

*To take full advantage of the superb features of the DM-90, and to enjoy long and trouble-free use, please read this User's Guide carefully.*

Congratulations on purchasing the Nady DM-90 Jumbo Kick Drum/Instrument Microphone. Capable of handling high sound pressure levels without distortion, the DM-90 microphone is ideal for live or recording close-miking of all types of drums and percussion instruments, and also for accurate sonic reproduction of brass, woodwind and other instruments producing high sound fields.

### UNPACKING, INSPECTION, STORAGE AND TRANSPORT

Your DM-90 microphone was carefully packed at the factory in a carrying case designed to protect the unit during shipping. Please examine your microphone before using and retain the external shipping package for reuse should you ever need to return your microphone for servicing. A foam padded plastic carrying case is provided for safe, convenient transport and storage.



### STANDARD ITEMS SUPPLIED

- DM-90 microphone
- User Guide
- Warranty card
- Foam padded plastic carrying case

### OPTIONAL ACCESSORIES

- XC-10 — 10' XLR to XLR mic cable
- XC-20 — 20' XLR to XLR mic cable
- XC-25 — 25' XLR to XLR mic cable
- XC-50 — 50' XLR to XLR mic cable

### FEATURES

- Large-size housing especially acoustically designed for the most accurate reproduction of the extended low frequencies of kick drums and other bass instruments and amps.
- Large diaphragm dynamic element with excellent attack and punch for truest sound
- Supercardioid pattern for ultimate feedback rejection
- Ultra-high SPL capability-ideal for live or recording close-miking of all types of drums and percussion instruments, and also for accurate sonic reproduction of brass, woodwind and other instruments producing high sound fields
- Rugged die-cast body with internal shock mount and hardened steel grille

### PRECAUTIONS AND CARE OF YOUR DM-90

- 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. Avoid leaving the microphone 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 permit it to air dry. Do not store the unit in a closed space (e.g., a plastic bag) until all moisture has evaporated.

## USING YOUR DM-90

The DM-90 can be used with any standard mixer, powered mixer/ amplifier, or mic preamp. Using either an XLR to XLR or XLR to 1/4" phone plug low impedance cable, connect the female XLR end to the DM-90 and the other end (male XLR or 1/4" phone plug, as appropriate) to your equipment.

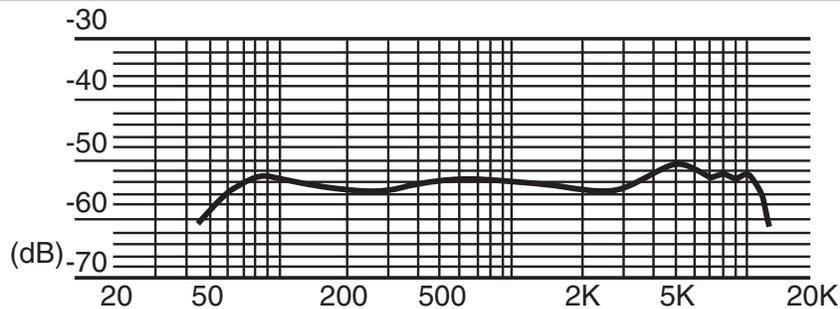
The DM-90 can be mounted on a microphone stand with the integral mic holder mount supplied. Depending on the threading of the mic stand you are using, you may need to remove the threaded adapter from the mic holder.

Be aware of the proximity effect (an increase in bass response) when the mic is placed close to the instrument. This may or may not be desirable. Experimenting with the position of the mic with respect to the audio source will ensure the optimum results you are seeking in any given application.

If the microphone is placed too near a speaker during live stage use, an unpleasant howling effect (acoustic feedback) may occur. Although all microphones are prone to feedback to some extent, with a unidirectional polar pattern are specially designed to accept only signals from the audio source directly in front of the mic cartridge. Thus, the cardioid pattern of the DM-90 ensures that it will deliver only the desired audio in front of the mic, rejecting the unwanted audio from the rear, even in noisy ambient conditions with high sound pressure levels from the P.A. and monitor speakers. This means that feedback will be greatly minimized with the DM-90 in all live performance miking applications.

Some useful ways in which to totally eliminate annoying feedback include: experimenting with mic positions with respect to the speakers, decreasing speaker volume (whenever possible), and adjusting the equalization of the mic audio with the mixer.

## FREQUENCY RESPONSE



## SERVICE

**(U.S.)** Should your Nady microphone require service, please contact the Nady Service Department via telephone 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 \_\_\_\_\_

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

## SPECIFICATIONS

CARTRIDGE TYPE .....	Moving coil dynamic
POLAR PATTERN .....	Unidirectional (Supercardioid)
FREQUENCY RESPONSE .....	20Hz to 10KHz
SENSITIVITY (0dB=1V/Pa @ 1kHz) .....	-58dB,±3dB
OUTPUT IMPEDANCE (@ 1kHz) .....	150 Ohms, ±30%
DIMENSIONS .....	2.5" x 4.75" ( 64 mm x 121 mm)
WEIGHT .....	.86lb. (390g)

*Specifications and design subject to change for improvement purposes without prior notice.*