



# DM SERIES MICROPHONES

## DM 70 and DM 80 Drum and Instrument Microphones

Congratulations on purchasing the Nady DM 70 or DM 80 Microphone! Capable of handling high sound pressure levels without distortion, the DM Series microphones are 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. This guide is for both the DM 70 and DM 80, with the differences as noted.

**DM 70:** Snare drum mic for close-miking snares, toms, all percussion, brass and woodwinds

**DM 80:** Kick drum mic with extended low-end response specially tailored for bass drums and other large diameter drums

### USING YOUR DM-70/DM-80

The DM-70/DM-80 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-70/DM-80 and the other end (male XLR or 1/4" phone plug, as appropriate) to your equipment.

The DM-70/DM-80 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, those with a unidirectional polar pattern (such as the DM-70 and DM-80) 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-70/DM-80 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-70/DM-80 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.

### PRECAUTIONS AND CARE FOR YOUR DM 70/DM 80

- 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.

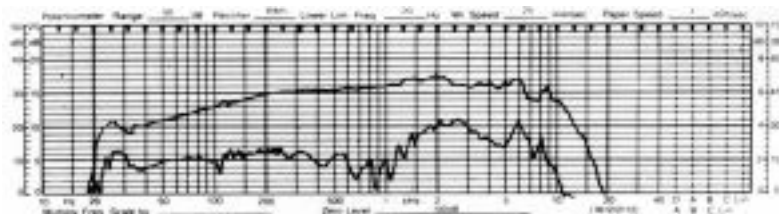
## FEATURES

- Cardioid pattern allows close miking without bleed-through from other drum kit pieces
- Neodymium element delivers maximum output
- Up to 140dB SPL handling capacity for distortion-free reproduction of even the loudest drums and other instruments
- Transformerless moving-coil dynamic design for enhanced bass and fast transient response
- All metal construction for maximum reliability
- Special rubber shockmount mic holder minimizes floor vibration pick-up
- Incredibly small, low-profile design for minimum visibility and versatile close-miking placement around the drum kit
- Gold-plated XLR for maximum conductivity
- Full frequency response for sonic punch with exceptional clarity

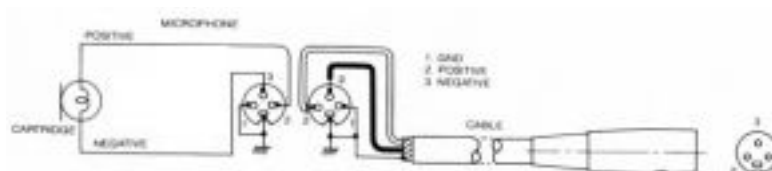
## SPECIFICATIONS

Cartridge Type, Magnet:	Dynamic, neodymium cartridge
Directional Pattern:	Unidirectional Cardioid
Frequency Response:	<b>DM 70:</b> 70~16,000 Hz <b>DM 80:</b> 30~15,000 Hz
Sensitivity (@ 1KHz, 74dB SPL):	<b>DM 70:</b> -73dB, +/- 3dB <b>DM 80:</b> -72dB, +/- 3dB
Impedance:	<b>DM 70:</b> 600 Ohm, <b>DM 80:</b> 250 Ohm
Maximum SPL (@1% THD):	<b>DM 70:</b> >130dB, <b>DM 80:</b> >140dB
Dimensions:	<b>DM 70:</b> 1.65" X 4.5" (42 X 115mm) <b>DM 80:</b> 2.1" X 4.7" (54 X 120mm)
Weight:	<b>DM 70:</b> 8.5oz (237g), <b>DM 80:</b> 10.6oz (295g)
Material:	Handle: die-cast zinc Holder Mount: rubber, plastic and with brass insert Ballscreen: steel mesh Gold-plated XLR contacts

## TYPICAL FREQUENCY RESPONSE



## WIRING DIAGRAM - recommended cable wiring



## 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@nadywireless.com](mailto:service@nadywireless.com)  
(INTERNATIONAL) For service, please contact the Nady distributor in your country through the dealer from whom you purchased this product.