

# STARPOWER™ SERIES

## SP-1 Dynamic Microphone

*Congratulations on purchasing the Nady SP-1 Dynamic Microphone! This versatile professional quality microphone is designed to provide top performance in all live stage and public address applications. Its true, transparent sound also makes the SP-1 a valuable recording tool.*

### USING YOUR SP-1

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

Depending on the application, the SP-1 can either be handheld or mounted on a microphone stand with the mic clip supplied.

Be aware of the proximity effect (an increase in bass response) when the mic is placed close to the mouth or 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. Also, never place your hands over the ballscreen of the mic during use, as this can degrade the performance.

If the microphone is placed too near a speaker, 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 SP-1) are specially designed to accept only signals from the audio source directly in front of the mic cartridge. Thus, the cardioid pattern of the SP-1 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 SP-1 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 SP-1

- 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.
- To protect the mic cartridge and ensure the longest possible useful life, it is highly recommended that for vocal applications, an external foam windscreen be used over the ball grille. This will prevent the buildup of saliva and perspiration on the cartridge diaphragm, which will degrade performance and shorten the useful life of the microphone. Such a wind "sock" will also eliminate wind noise when the mic is used in a windy outdoor environment.

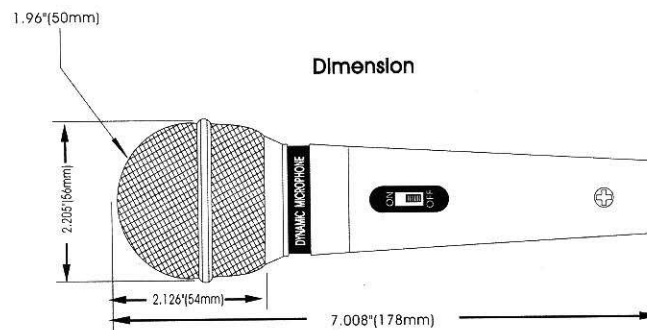
## Special Features

- All-purpose professional stage and recording microphone
- Excellent clear, transparent sound across the spectrum with smooth bass, mid-presence punch and crisp highs
- Unidirectional cardioid pattern with superior feedback rejection
- Rugged metal construction and internal shock mounting for maximum reliability and ultra-low handling noise
- Powerful neodymium element cuts through with accurate, distortion-free sound in even the highest sound pressure level situations
- Mic clip included

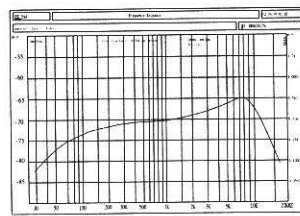
## Specifications:

Cartridge type magnet:	Dynamic, neodymium cartridge
Directivity pattern:	Unidirectional cardioid
Frequency response:	80—12,000Hz
Sensitivity (@1KHz, 74dB SPL):	-73dB, +/- 3dB
Impedance:	500 ohms (Lo Z)
Maximum SPL (@1% THD):	>130dB
Dimensions:	2.2" X 7" (56 X 178mm)
Weight:	7.65 oz (214 g)
Material:	Handle: die-cast Zinc
Ballscreen:	Metal mesh
Accessories included:	Mic clip

## Dimensions



## Typical Frequency Response



## Wiring Diagram - recommended cable wiring

