NADY SCM 800

USER GUIDE

Congratulations on purchasing a Nady SCM 800 FET Condenser Microphone. These superior microphones are perfect for recording studio vocals, acoustic instruments, orchestras and choral groups, ambient instrument audio, and many live sound applications. Powerful and versatile, the SCM 800 microphones meet the stringent requirements of even the most demanding digital recording and live broadcasting applications.

This user guide covers the operation of the SCM 800 microphone and the available optional accessories.
To take full advantage of the superb features of your microphone, and to enjoy long and trouble-free use, please read this user's guide carefully.

UNPACKING, INSPECTION, STORAGE AND TRANSPORT

Your SCM 800 microphone was carefully packed at the factory, and the shipping carton that was designed to protect the unit during shipping. Please retain this container for subsequent transport and in the highly unlikely event that you ever need to return your microphone for servicing. The optional SMCC-2 aluminum carrying case is highly recommended for the most convenient and safe transport or permanent storage. It has roomy compartments for your SCM 800 microphone and all available accessories, plus XLR cables.

STANDARD ITEMS SUPPLIED

SCM 800 microphone
User guide
Warranty card

OPTIONAL ACCESSORIES

48V phantom power supply (SMPS-1)
Aluminum flight case (SMCC-2)
Shockmount (SSM-3)
Foam windscreen (FW-2)

FEATURES

- Perfect for all recording and broadcasting applications—featuring large-diaphragm true condenser design, transformerless low-noise/high-dynamic-range output, high SPL capacity, cardioid polar pattern pickup, FET preamps, and rugged internal shock mounts
- Provides the accurate, no-compromise sound reproduction of a high end studio mic at a fraction of the cost
- Compact and durable, with a precision turned brass housing

WARNING

The capsule is the heart of your 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 OPTIONAL MICROPHONE SHOCK MOUNT

Your SCM 800 microphone can be used with the optional Nady SSM-3 spider shock mount (or equivalent), which uses an elastic suspension to isolate the microphone from vibration, thereby lowering noise transmitted to the microphone from the stand. This is a useful tool in many situations, such as when the performer is tapping his or her feet, or when there is noise pickup from the rumbling of traffic outside of the building. The disadvantage of using the shock mount is that the weight of the microphone may make it drift in the elastic suspension, so mic placement may take a little longer.

To insert your SCM 800 microphone into the SSM-3 shock mount, pinch close the levers on the sides of the mount to the open position, then slide the microphone into place.

USING THE FOAM WINDSCREEN

The FW-2 optional foam windscreen can also be used with your SCM 800. 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-2 or some other windscreen should be used whenever someone is close miked to both protect the microphone and to also eliminate "popping" from percussive breath sounds.

(Note: Be aware that the foam windscreen will slightly attenuate the high frequency response of the microphone.)

CONNECTING THE SCM 800

The SCM 800 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 SCM 800 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 SCM 800 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
5. Slowly turn up the channel gain in your mixer to the desired level

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

(INTERNATIONAL) For service, please contact the Nady distributor in your country through the dealer from whom you purchased this product.

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

SPECIFICATIONS

Type: True condenser pressure-gradient microphone with 25mm cartridge and FET preamplifier.
Polar pattern: Cardioid
Sensitivity: -40dB +/- 2dB
Frequency range: 30 to 20,000Hz
Impedance: < 250 Ohms
Recommended load impedance: ≥1000 Ohms
Max. SPL (1% THD @1000Hz): 128dB
Equivalent noise level to IEC 268-4(A weighted): 20dB-A
S/N ratio re 1Pa: 70dB
Power requirement: +48VDC phantom power
Current consumption: <5mA
Connector: 3-pin XLR (gold plated)
Mic cable: 3-pin XLR standard cable (not supplied)
Size: Diameter: 2.0" (50.5mm), Length: 5.94" (151mm)
Net weight: 11.8oz

Specifications subject to change for improvement purposes