

USER GUIDE

Congratulations on purchasing the Nady SCM 2090 Stereo Condenser Microphone. This superior studio-quality microphone uses a pair of closely matched, large diaphragm, uni-directional (cardioid) elements, angled at 90° in an X/Y stereo configuration. By providing realistic spatial imaging of the sound field, this microphone is ideal for many applications including recording acoustic instruments like drums kits, hand percussion, pianos, multi-instrument sections, and soundstage theater use; or for recording live club bands, outdoor performances, orchestras, choral groups, ambient audio, or for home video use.

- Utilizes two gold-sputtered large diaphragm condenser elements for warm, crisp response with improved linearity across the frequency spectrum
- Offers ultra-low self-noise with increased dynamic range and maximum SPL capacity for recording loud audio such as brass, drums, and high-powered amplifiers
- Manufactured with the finest materials featuring a machined housing for structural integrity and rugged reliability
- Superb channel separation, with 5-pin XLR to dual 3-pin XLR “Y” cable (included)

**STANDARD ITEMS SUPPLIED**

- SCM 2090 Stereo Condenser Microphone
- 16.3' (5m) Stereo XLR Y-cable
- Soft, protective leatherette pouch
- User guide
- Warranty card

OPTIONAL ACCESSORIES

- SSM-3 Spider Shockmount
- MBM-7 Mic Basemount
- SMCC-2 Aluminum Flight Case
- SMPS-1X 48V Phantom Power Supply (x2)
- FW-2 Foam Windscreen
- MST-5B Boom Mic Stand
- MST-2B 2' Boom Mic Stand

OPERATION

The SCM 2090 uses a pair of closely-matched, large-diaphragm condenser elements, angled at 90° in an X/Y stereo configuration. Each element is uni-directional (cardioid) in polar pattern. This microphone features superb channel separation; smooth, linear 20Hz-20kHz frequency response with high SPL capability and ultra-low self noise.

The SCM 2090 uses a 5-pin XLR connector for balanced Left and Right output. The supplied Stereo XLR Y-cable outputs two balanced 3-pin XLR, in-phase, low impedance signals which can be connected to two channels of your mixing console or recording equipment.

Placing the mic closer to the sound source will create a more pronounced stereo image while moving the mic further away will lessen the stereo image and result in more room ambience. Placing the mic too close to a multi-voice source may result in some voices being more dominant than others.

For recording some instruments like drum kits, hand percussion, pianos, and kotos, the SCM 2090 is like having two mics in one! Properly placing the microphone above the drum kit will provide the same effect as using two overhead mics. For a conga pair, position the mic so each element captures one of the drum heads. For miking long stringed instruments or pianos try positioning the microphone so one element picks up the attack on the strings while the other element picks up the sustain from the middle of the strings.

As with all microphones, experiment yourself with placement for the best possible results.

CONNECTING THE SCM 2090

The SCM 2090 should be connected to two channels of your mixer, or mic preamp using the supplied stereo XLR cable. Plug the 5-pin XLR connector into the mic and plug the two 3-pin XLR connectors into your equipment.

The SCM 2090 must be powered by 48V phantom power on each channel (such as supplied by many mixing consoles), and amplified by a microphone pre-amp (such as built into a mixer, or a stand-alone unit). Before connecting to equipment directly, turn the channel to which you're connecting to its lowest gain setting.

If your mixer or mic preamps do not provide phantom power, you can use two of the optional Nady SMPS-1X Phantom Power Supply, one for each channel. If you are using the Nady SMPS-1X Phantom Power Supply, connect in the following order:

1. Connect the SCM 2090 to two SMPS-1X units
2. Connect both SMPS-1X Signal Outputs to separate channels of your mixer
3. Connect the SMPS-1X to the AC power supply (115—230VAC)
4. Turn on the SMPS-1X Power ON/OFF switch
5. Slowly turn up the channel gain in your mixer to the desired level

Finally, check the audio to test and verify the stereo response of the SCM 2090 microphone corresponds to your channel configuration. *(Note: During use 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)*

USING THE OPTIONAL MICROPHONE SHOCK MOUNT

Your SCM 2090 microphone can be used with the optional Nady SSM-3 spider shockmount (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.

To insert your SCM 2090 microphone into the SSM-3 shockmount, 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 2090. 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). *(Note: Be aware that the foam windscreen will slightly attenuate the high frequency response of the microphone.)*

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

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

SPECIFICATIONS

ELEMENTS: Dual 22mm gold-sputtered pressure gradient condenser

POLAR PATTERN: Stereo Cardioid 90° directionality

FREQUENCY RESPONSE: 30Hz - 20KHz

SENSITIVITY: -42dB (1V at 1 Pa)

IMPEDANCE: 200 Ohms per channel

CHANNEL BALANCE: < 1dB

S/N RATIO re 1Pa: 70dB

EQUIVALENT NOISE: 18dB (A-Weighted)

MAX. SPL (1% THD @1KHz): 128dB

PHANTOM POWER: 48V DC

SIZE: Length 5.7" (145 mm), Width/Diameter 1.8" (46 mm)

WEIGHT: 13.6 oz (386 g)

CABLE TYPE: Stereo XLR Y-cable (5-pin XLRf - dual 3-pin XLRm)

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

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