

SM Pro Audio

Operational Manual - SM MC01 Condenser Microphone -

Version 1.1

Welcome, and thank you very much for expressing your confidence in SM Pro Audio products by purchasing this microphone. The SM MC01 large diaphragm condenser microphone has been designed to be used as a standard tool for home/pro studios. With much experience in the audio industry over a long period of time, and along with valuable suggestions from our customers, our engineers have developed a microphone we know you will be satisfied with. We guarantee you uncompromising quality as well as excellent technical and audio properties at an extremely affordable price.

Regards,
SM ProAudio

Foreward

The SM MC01 large diaphragm professional condenser microphone is designed for use in studios, concert halls, and broadcast applications. They are well-known for their wide frequency response, smooth response curve, large dynamic range, and low distortion.

The combination of tapered low end and upper presence rise really lends the SM MC01 to vocals, however you will find the microphone equally well suited to many other applications including acoustic guitar etc.

Featuring our precision 1" Gold Sputtered Diaphragm, discrete Class A FET electronics with transformer coupled balanced output, -10dB PAD, -10dB 100Hz Bass roll-off, the SM MC01 will find a place in any studio.

User's Guide

1. Connect the microphone using a standard XLR microphone cable. Please note - Phantom power is required for this condenser microphone. Your mixer or microphone pre-amp must have phantom power enabled for the microphone to operate.
2. The direction of the operational polar patterns is in relation to the front face of the microphone. The front face can be identified as the side that has a small polar pattern logo and the bass roll-off and PAD switches present. Point this face of the microphone towards the direction of the source of the sound.
3. If you need to cut the input sensitivity, please use the -10dB PAD switch provided on the right hand side of the front face of the microphone.
4. If you need to cut the bass frequency, please use the bass roll-off switch on the left hand side of the microphone.



Specifications

TYPE:	True Condenser Pressure Gradient Microphone
CAPSULE:	1" Diameter, Low Micron, Gold Vapor-Deposited Gradient Design
ELECTRONICS:	Low Noise Discrete FET
FREQUENCY RANGE:	20 Hz to 20 kHz
SENSITIVITY:	15 mV/pA 9-36.5 = 1 V/pA
EQUIVALENT NOISE LEVEL:	(A-Weighted per IEC 286-4) < 17db Typical
MAXIMUM SPL FOR THD:	<0.5% (1 kHz) 140 dB
SWITCHABLE LOW FREQUENCY CUT-OFF:	100 Hz
SWITCHABLE PAD:	- 10dB
CONSTRUCTION:	Heavy Duty Durable Scratch Resistant Aircraft Grade Machined Brass
WEIGHT:	470 grams / 1.03 lbs.
DIMENSIONS:	50 x 190 mm / 2 x 7.5
OPERATING VOLTAGE:	48 V Phantom Power

Applications

Vocals - Choirs - Acoustic Guitar and all other fretted instruments (Banjo, Mandolin, violin) - Reeds - Woodwinds - Drums (Especially Floor Toms, Overheads) - Electric Guitar and Bass - All Percussion Instruments - Piano.

Essentially, the "SM MC01" is well suited to almost anything and is a great addition to any studio.

Accessories/Options

SMPS1 - Optional Pop Shield

It is advised to always use a pop-filter/shield to help minimize percussive sounds making their way onto your recording. A pop-filter will also help prevent damage from any mouth spray moisture. Ask your dealer about getting the optional SMPS1 pop shield.

TB101/202 - Tube Microphone pre-amplifier

The SM MC01 is a great microphone, yet coupled with either the TB101 or TB202 tube microphone preamplifier your audio can really shine. A good tube preamplifier can add roundness and warmth to your recordings, just the thing to help retain some smooth tonality in a digital environment. Also featuring a built in compressor and EQ stage, the TB101/202 is perfect for tailoring your sound before you have to "fix it in the mix". The SM MC01 and TB101/202 combination make a great combination to improve the front end of your recording process. Check them out at your local dealer!

Visit www.smproaudio.com to see the latest products for your home studio.

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