



RCM SR | Professional Cardioid Condenser Microphone

Introducing, the Rockville RCM SR, our newest high-quality, professional studio/recording condenser microphone! With its large diaphragm it provides smooth, natural sound and low noise, it also delivers great bass, mids, and highs on all of your recordings. This microphone is very sensitive to incoming sounds to give you the best possible sound! In addition, it includes a 25mm cartridge that allows for a bigger pickup area to pick up incoming sound. The cartridge is the most important aspect that determines the sound quality, and the RCM SR has one of the best quality cartridges available for any microphone in its class.

The RCM SR can be used in multiple ways. You can connect this to the phantom power of your mixer or you can connect it directly to your computer sound card. We include a cable to connect it to your mixer as well as a cable to connect the mic to your computer!

This microphone has two capacitors (22 μ 50V and 47 μ 16V). We used Samsung capacitors from Korea, which are the highest quality capacitors on the market. These are important to help stabilize the voltage so that your recordings are consistent throughout, even if there are sudden changes in the volume or frequency ranges.

The PCB (circuit board) uses surface mounted components which is the same method the expensive brands use. We use only top components that under-go extreme testing by our own audio engineers.

The last thing you should know is that our product is very sturdy. When you are recording, you do not want even the slightest noises coming from your mic. Microphones consist of a casing inside of which there is a cartridge. You definitely do not want that cartridge moving around. We made sure to adjust our mechanism so as to ensure the cartridge is firmly in place and not creating any unwanted noises.

It is important to position the microphone directly in line (on axis) with the person speaking/singing or instrument (or other sound source) to achieve the best frequency response. For use in speaking/singing applications, the ideal placement for the microphone is directly in front of the person speaking/singing. The same placement is optimal when mic'ing an instrument such as an acoustic guitar, drums or piano. Experiment with different mic placements to find the best sound for your particular setup.

FEATURES and SPECIFICATIONS

- Best Applications: Home-studio, recording studio, broadcasting, podcasts, live performances, and much more!
- 25mm Large cartridge - allows for bigger pickup area
- Two large capacitors: 22 μ 50V and 47 μ 16V
- Large diaphragm - provides smooth natural sound, low noise, and great bass, mids, & highs
- High SPL handling and wide dynamic range
- Cardioid polar pattern reduces pickup of sounds from sides and rear, reducing unwanted noise
- Element: Fixed-charge back plate, permanently polarized condenser
- Microphone head is made of high quality steel featuring one-piece head design
- Microphone body is made of special aluminum metal material - prevents noise from shock and vibrations
- Frequency response: 20Hz – 20 kHz
- Open circuit sensitivity: -30dB \pm 2dB (0dB = 1V/Pa @ 1kHz)
- Impedance: 100 Ohms
- Equivalent noise level: = 23dB A (IEC581-5)
- Maximum input sound level: 142dB SPL (THD = 1.0% @ 1kHz)
- Electrical current: \geq 500Ua
- Noise: 20dB SPL
- Dynamic range (typical): 124 dB, 1kHz @ Max SPL
- Signal-to-Noise ratio: 74 dB, 1kHz @ 1 Pa
- PCB layout: Surface mount
- Fixed crossover filter cutoff frequency: 50Hz – 16kHz
- Power requirements: 48V DC Phantom power or computer sound card
- Output connector: 3-Pin XLR
- Microphone weight: 0.67 Lbs (305 grams)
- Microphone height: 6.18" (157mm)
- Microphone diameter: 1.89" (48mm)

INCLUDED

- RCM SR Condenser Microphone
- 100% Copper 10 foot 3.5mm jack to XLR cable to connect mic to your computer
- 100% 10 foot XLR to XLR cable to connect to any mixer with phantom power
- Metal shock mount
- Large Wind-Screen/Pop Filter
- Owners manual
- Warranty card