

DM20

High Definition Tom and Snare Microphone™



DM20 includes RM1
RimMount (shown here)
and windscreen

Architectural & Engineering Specifications

20kHz Cardioid Drum Microphone

The microphone shall be a back-electret condenser type with a wide-range uniform frequency response of 20 Hz to 20 kHz. The microphone shall have an output level of 8mV/Pa. The microphone shall be of a single capsule, single membrane design. The microphone shall have an impulse response with the rise time no longer than 25 microseconds, and total settling time, including the rise time, no longer than 120 microseconds. The microphone shall have polar characteristics uniform in all planes to form a cardioid of revolution. The microphone shall accept sound pressure levels up to 150 dB producing no more than 3% THD. The microphone shall have a wire-mesh windscreen. Dimensions shall be 11.12 in. (282mm) long with and .86 in. (22mm) in diameter. The microphone shall be terminated with a male XLR-3 connector. The microphone shall require 24-48V phantom power at 10mA. The microphone shall be made of metal and stainless-steel with a stainless and black finish. The Earthworks DM20 is specified.

- High Definition Tom & Snare Microphone™
- 20Hz to 20kHz Frequency Response
- Shorter Diaphragm Settling Time to Hear Detail That Other Microphones Miss
- Near-Perfect Polar Response
- Cardioid
- 150dB SPL Max Acoustic Input
- More Gain Before Feedback
- Rugged Gooseneck (will not move when drums are hit hard)
- Mic Head Will Withstand Direct Hit From a Drumstick
- Exceptional Rejection of Sounds at the Rear of the Microphone

Exceptional Tom & Snare Microphone

The Earthworks DM20 DrumMic™ is a precision engineered cardioid condenser microphone designed for close miking snare and toms in live performance and studio recording environments.

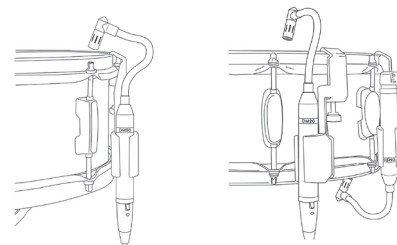
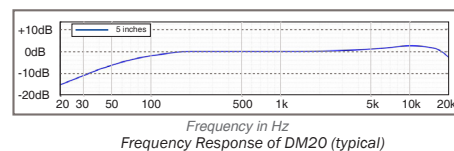
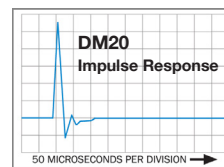
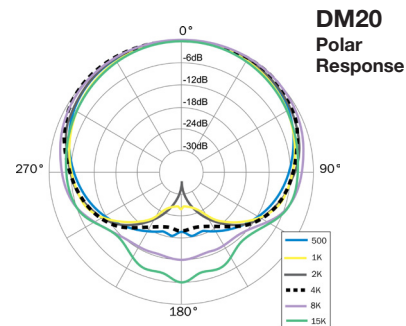
Whether on stage or in the studio, the DM20 captures a drum sound that is larger than life. On stage the DM20 delivers sound so detailed and natural that the sound coming out of the PA sounds like the drummer is right in front of you. For recording, it will reproduce your toms and snare with incredible detail and pristine sound, faithfully reproducing their true character.

Its near-perfect cardioid polar pattern is consistent across all frequencies, simplifying mic placement, virtually eliminating phasing issues and ensuring more gain before feedback. The DM20 transient response is lightning fast, handling sharp attacks with ease, while still picking up all of the subtle nuances and softest dynamics of your playing. Even the loudest drummer cannot overload the DM20 DrumMic™, which can handle up to 150dB SPL.

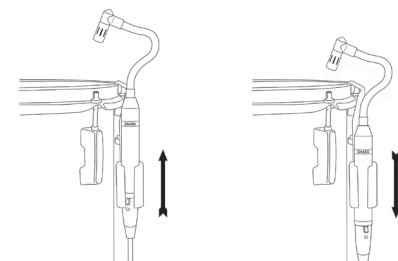
Construction and Mounting

Designed to withstand the rigors of the road while still delivering the sound quality Earthworks is known for, the DM20 DrumMic™ provides the best of both worlds. Capable of withstanding a stray stick hit, the DM20 removes the worry of close miking snare and toms. Its right angle microphone head lets you easily and precisely position the microphone to get the best drum sound. Featuring a stiff yet flexible gooseneck, the microphone will stay put once you have found its sweet spot.

Included with the DM20 is an RM1 RimMount™ for mounting the microphone directly on the rim of a snare or toms, eliminating the need for mic stands. Plus, save time on setup and tear down by storing the DM20 with the RM1 still attached.



DM20 & RM1 miking top & bottom of snare



Adjusting Height of DM20 mic above tom head

Specifications

Frequency response	20Hz to 20kHz ±2dB @ 6" (15cm)
Polar Pattern	Cardioid
Sensitivity	8mV/Pa (-42dBV/Pa)
Power requirements	24-48V Phantom @ 10mA
Peak acoustic input	150dB SPL
Signal-to-Noise Ratio	74dB A-weighted
Output	XLR (PIN 2+)
Output Impedance	200Ω bal. (between pins 2 & 3)
Minimum output load	1,000Ω, balanced between pins 2&3
Noise	20dB (A-weighted)
Dimensions L & D	11.12 inches (282mm) .860 inches (22mm)
Gooseneck L & D	Length 4.75 inches (121mm) Diameter .375 inches (9.53mm)
Weight	.55lb (.25kg)

