



SM7dB DYNAMIC VOCAL MICROPHONE WITH BUILT-IN PREAMP

OVERVIEW

The SM7dB is a cardioid dynamic microphone with a Shure-designed built-in preamp providing up to +28 dB of low-noise, flat, transparent gain ideal for lower-output interfaces and simplified audio chains. Delivers warm and smooth audio for vocal and studio applications. Preamp bypass switch, adjustable bass roll-off and presence boost, electromagnetic hum shielding, internal shock mounting, and external windscreen ensure clear and consistent audio reproduction.

FEATURES

- Built-in active preamp providing either +18dB or +28dB of extra gain delivers levels suitable for any interface.
- Flat, wide-range frequency response for exceptionally clean and natural reproduction of both music and speech.
- Preamp bypass switch to revert to original SM7B performance.
- Bass roll-off and mid-range emphasis (presence boost) EQ switch controls.
- Superior rejection of electromagnetic hum, optimized for shielding against broadband interference emitted by computer monitors.
- Internal "air suspension" shock isolation virtually eliminates mechanical noise transmission.
- Highly effective pop filter eliminates need for any add-on protection against explosive breath sounds, even for close-up vocals or narration.
- Yoke mounting with captive stand nut for easy mounting and dismounting provides precise control of microphone position.
- Classic cardioid polar pattern, uniform with frequency and symmetrical about axis, to provide maximum rejection and minimum coloration of off-axis sound.
- Rugged construction and excellent cartridge protection for outstanding reliability.



SM7dB
Dynamic vocal microphone with built-in preamp

SPECIFICATIONS

Type	Dynamic (moving coil)
Polar Pattern	Cardioid
Frequency Response	50 Hz to 20 kHz
Output Impedance	150 Ω in Bypass Mode 27 Ω in Preamp Mode
Sensitivity (at 1 kHz, open circuit voltage) [1] 1 Pa=94 dB SPL	-59 dBV/Pa[1] (1.12 mV) Flat Response Bypass Mode -41 dBV/Pa[1] (1.12 mV) Flat Response +18 Preamp Mode -31 dBV/Pa[1] (1.12 mV) Flat Response +28 Preamp Mode
Polarity relative to Pin 3	Positive pressure on diaphragm produces positive voltage on Pin 2
Net Weight	837 g (1.875 lbs)
Housing	Black enamel aluminum and steel case with black foam windscreen

AVAILABLE MODELS

SM7dB	Includes foam windscreens & 3/8" thread adapter
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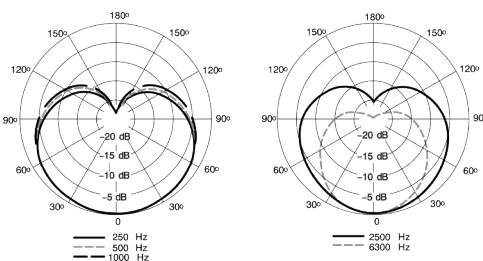
OPTIONAL ACCESSORIES AND REPLACEMENT PARTS

RK345B	Black Close-Talk Windscreen
A7WS	Black Large Close-Talk Windscreen
RPM106B	Internal Microphone Cartridge
RPM604B	Yoke Nut & Washer Replacement Kit



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POLAR PATTERN



FREQUENCY RESPONSE

