

SONY

C-800G

Vacuum Tube Condenser Microphone

Sony developed the C-800G condenser microphone to be the definitive vocal recording device with the ability to provide full dynamic range, yet reproduce delicate and subtle nuances of sound, even at high levels. Designed for the highest possible sound reproduction quality, this microphone is ideal for critical vocal recording in recording studios and film post-production houses.



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The C-800G utilizes a vacuum tube selected for optimum sonic quality and an innovative cooling system to deliver a warm, natural, rich sound that's powerful, yet delicate, with low noise and minimum distortion. The superb natural sound of the C-800G microphone will meet the most critical expectations of all professionals working in the demanding fields of recording and production. For engineers seeking the ultimate in sound quality, this microphone is the premier choice.

Features

The ultimate in sound quality

The use of a rigorously selected vacuum tube gives this microphone its superb sonic quality, particularly at high frequencies and with exceptionally low noise levels. With a wide dynamic range and ability to resolve subtle sound detail, the sonic quality is expressed as rich, natural and sensitive with an outstanding response to fast transients.

Critical vocal recordings

The C-800G is particularly suitable for critical vocal recording in recording studios and film and video post-production houses, where sound clarity and nuance are essential.

Noise elimination construction

The design incorporates a two-part body construction that effectively helps prevent acoustic vibration from reaching the microphone capsule, resulting in clarity of reproduction.

Advanced cooling system

The first microphone in the world to incorporate a built-in thermo-electric cooling system employing a semiconductor device, heat pipe and heat sink, which greatly contribute to the low noise and low distortion characteristics.

High sensitivity

With a high sensitivity of -32dB/Pa, this microphone can capture subtle nuances at high frequencies with low noise levels and minimum distortion.

Selectable directivity

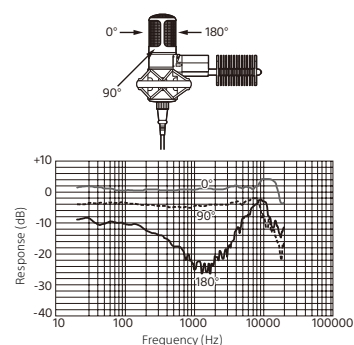
The C-800G provides electronically selectable directivity, either omni-directional or uni-directional, for maximum flexibility and control over pickup angle.

Optional AC power supply unit

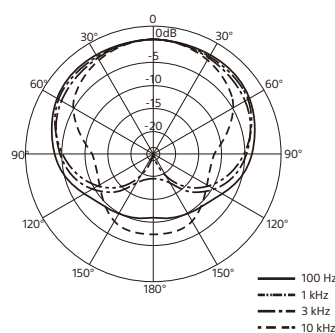
The AC-MC800G AC power supply unit is available as an optional accessory to the C-800G condenser microphone.

Frequency response characteristics

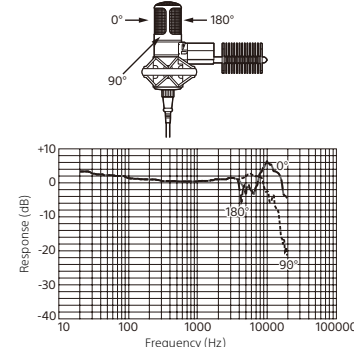
Uni-directional



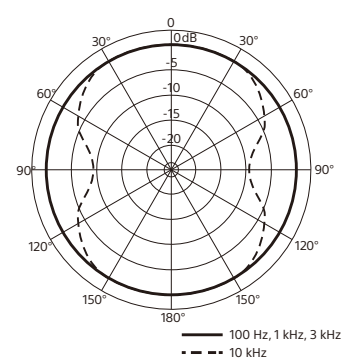
Uni-directional



Omni-directional



Omni-directional



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Specifications

	C-800G		AC-MC800G
Capsule type	Condenser		
Vacuum tube	6AU6A		
Frequency response	20 Hz to 18,000 kHz		
Directivity	Uni-directional/Omni-directional		
Output impedance at 1 kHz	100 Ω \pm 20% balanced		
Sensitivity at 1 kHz	(Uni) -32.0dB/Pa	(Omni) -35.0dB/Pa	
Signal-to-noise ratio (1 kHz, 1 Pa IEC 651, A-weighted)	(Uni) 76dB or more	(Omni) 73dB or more	
Inherent noise (IEC 651, A-weighted)	(Uni) Less than 18dB SPL	(Omni) Less than 21dB SPL	
Max. input sound pressure level (1 kHz 1% distortion)	(Uni) 131dB SPL (71 Pa)	(Omni) 134dB SPL (100 Pa)	
Dynamic range	113dB or more		
Power requirements	AC120V, 60Hz (AC-MC800G)		AC120V, 60Hz (AC-MC800G)
Power consumption	(AC-MC800G) 65W		(AC-MC800G) 65W
Dimensions	2 1/4 dia. x 7 5/8 x 9 3/8 inches (57 dia. x 191 x 237 mm)		8 1/2 x 4 1/4 x 12 inches (214 x 105 x 306 mm)
Weight (approx.)	1 lb 16 oz (900 g)		11 lb 14 oz (5.4 kg)
Microphone connector	MIC output; JIS CNR01SRM016007 type		MIC input: JIS CNR01SRM016007 type Audio output: XLR-3-32 type
Supplied accessories	Wind screen (1), Cradle suspension (1), Stand screw adaptor (PF 1/2 to NS5/8) (1) Stand screw adaptor (PF 1/2 to NS3/8) (1), Mic cable (8m, JIS CNR-01 type, 7-pin) (1) Carrying case (1), Frequency response chart (2)		
Optional accessories	AC-MC800G (AC Power Supply Unit)		

To learn more about how Sony's C-800G Vacuum Tube Condenser Microphone can reproduce the delicate and subtle nuances of vocal sound, even at the highest levels, visit [Pro.Sony](#)