



# 2012 Compact Cardioid Microphone

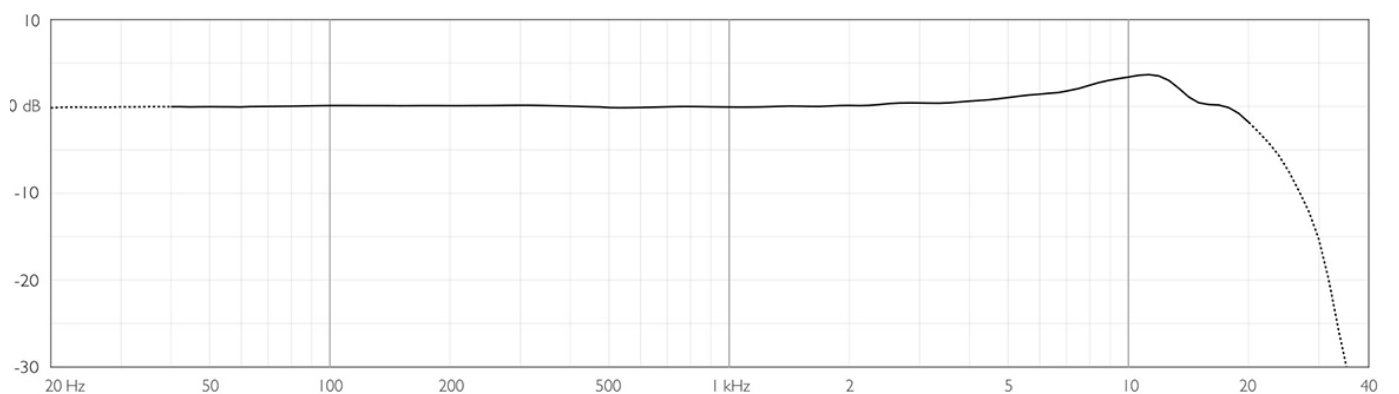
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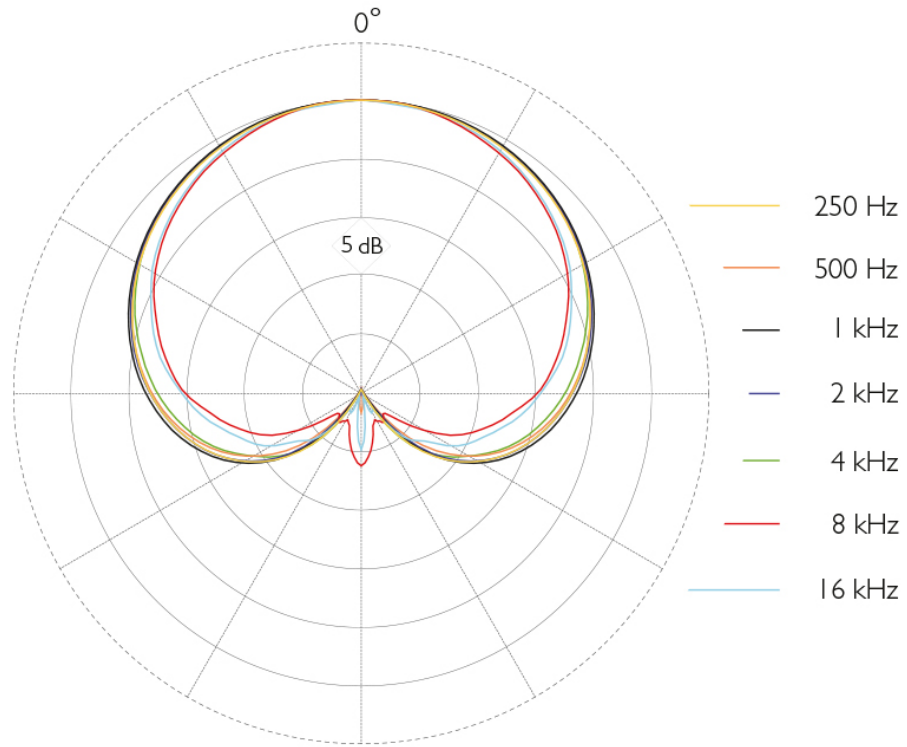
## Specifications - 2012

<b>Directional pattern</b>	Cardioid
<b>Principle of operation</b>	Pressure gradient
<b>Cartridge type</b>	Pre-polarized condenser
<b>Frequency response</b>	20 Hz - 20 kHz
<b>Effective frequency range, ±2 dB, at 30 cm (11.8 in)</b>	40 Hz to 20 kHz
<b>Sensitivity, nominal, ±2 dB at 1 kHz</b>	8 mV/Pa; -42 dB re. 1 V/Pa
<b>Equivalent noise level, A-weighted</b>	Typ. 20 dB(A) re 20 µPa (max. 22 dB(A))
<b>Distortion, THD &lt; 1%</b>	148 dB SPL (151 dB SPL peak)
<b>Dynamic range</b>	Typ. 131 dB

<b>Max. SPL, THD 10%</b>	153 dB SPL (156 dB SPL peak)
<b>Switchable attenuator, filters etc.</b>	-
<b>Rated output impedance</b>	60 $\Omega$
<b>Minimum load impedance</b>	2 k $\Omega$
<b>Cable drive capability</b>	100 m (328 ft)
<b>Output balance principle</b>	Impedance balancing with Active Drive
<b>Common mode rejection ratio (CMRR)</b>	> 60 dB
<b>Power supply (for full performance)</b>	P48 (Phantom Power)
<b>Current consumption</b>	0.7 mA
<b>Connector</b>	XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase
<b>Color</b>	Matte black
<b>Weight</b>	83 g (2.9 oz)
<b>Microphone diameter</b>	19 mm (0.75 in)
<b>Capsule diameter</b>	17 mm (0.67 in)
<b>Microphone length</b>	94 mm (3.7 in)
<b>Maximum output voltage, RMS</b>	8.7 V (21 dBu)
<b>Polarity</b>	+V at pin 2 for positive sound pressure
<b>Temperature range</b>	-40°C to 45°C (-40°F to 113°F)
<b>Relative humidity (RH)</b>	Up to 90%
<b>Sensitivity selection tolerance (at 1 kHz)</b>	$\pm 1.5$ dB



Typical on-axis response of a 2012 measured at 30 cm (11.8 in)



Typical directional characteristics of a 2012