4018 Supercardioid Microphone

Designed for a broad range of long-distance broadcast, ENG and film miking applications, such as booming, dialogue, interview and table or podium use, the 4018 Supercardioid Microphone offers superb flexibility through modular accessories.

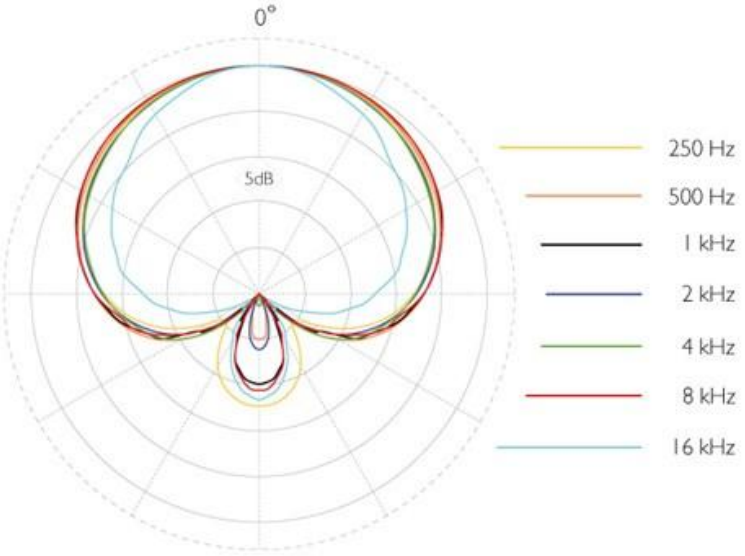
Accessories

- MMP-GR/GS Preamp with Modular Active MicroLock Cable for Pencil Microphone, 1.8 m (5.9 ft)
- GSM4000 Gooseneck Shock Mount for Pencil Microphone
- SB0400/SBS0400 Lightweight Stereo Boom for Pencil Microphone
- SM4000-C Suspension Mount for Pencil Mics with MMP-C Preamp
- UA0639 Clip for Pencil Microphone
- UA0836/837 Premium Stereo Boom for Pencil Microphone
- UA0897 Shock Mount for Pencil Microphone
- DUA0020 Foam Windscreen for Pencil Microphone, Ø19 mm, Length 56 mm (2.2 in)
- UA0896 Foam Windscreen for Pencil Microphone, Ø19, Length 92 mm (3.6 in)

Specifications

Directional pattern	Supercardioid
Principle of operation	Pressure gradient
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz
Effective frequency range, ±2 dB, at 30 cm (11.8 in)	40 Hz - 18 kHz
Sensitivity, nominal, ±2 dB at 1 kHz	12 mV/Pa; -38.4 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 16 dB(A) re. 20 µPa (max. 19 dB(A))
Equivalent noise level, ITU-R BS.468-4	Typ. 23 dB
Distortion, THD < 1%	134 dB SPL RMS, 137 dB SPL peak
Dynamic range	Typ. 121 dB
Max. SPL, THD 10%	142 dB SPL peak
Rated output impedance	100 Ω
Minimum load impedance	2
Cable drive capability	100 m (328 ft)
Output balance principle	Impedance balancing
Common mode rejection ratio (CMRR)	> 40 dB
Power supply (for full performance)	P48 (Phantom Power)
Current consumption	3.5 mA
Connector	XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase
Weight	109 g (3.8 oz)
Microphone diameter	19 mm (0.75 in)
Capsule diameter	19 mm (0.75 in)
Microphone length	35 mm (1.38 in)
Maximum output voltage, RMS	2.2 V
Polarity	+V at pin 2 for positive sound pressure
Temperature range	-40°C to 45°C (-40°F to 113°F)
Relative humidity (RH)	Up to 90%
Matching tolerance (frequency response and sensitivity)	±1 dB
Phase deviation for kit	< 10°

Polar pattern



Frequency response graph