

BM/WB series

BOUNDARY MICROPHONES



BM series condenser boundary microphone is designed for flush mounting into desktops or ceilings. Apply to televideo conferencing, recording or amplification of round table discussions and the microphones needs to be unobtrusive as possible. The microphones have excellent RF shielding effect, which makes the microphones absolutely insensitive to interference from wireless communication devices such as mobile phones. BM-110 provides a half-spherical polar pattern, making it ideal for large rooms. Due to its high sensitivity, even pick up the sound in far distance, output level won't appear large influence. The elastic bearing rings isolate the mechanical of the surface, thus the microphone can effectively isolate the mechanical noise. BM-111 half-cardioid polar pattern, which increases the gain-before-feedback and decreases the amount of diffuse ambience.

Key Features

BM-110/BM-111 Wired Boundary Microphone



Anti-Interference

- Excellent RF shielding effect, effectively avoiding RF interference.
- High gain-before-feedback



Hidden Installation

- Apply to fix or suspended ceiling installation
- Specially design for flush mounting into desktops or ceilings.



Clear Sound Quality

- Cardioid polar pattern, high-quality speech reproduction.
- Low-impedance balance audio output, the sound is smooth and clear.
- Equipped with auto-gain audio processing circuit, effectively avoiding the feedback.



Super Strong Directivity

- Cardioid polar pattern, increase gain-before-feedback.
- Decrease the environment noise and feedback, guarantee the vocal clarity.



Delicate Workmanship

- Heavy die-case, stable and durable alloy shell and microphone.
- The button is equipped with elastic bearing rings, minimize the coupling of surface vibration to the surface.



Convenient Installation

Accessories: elastic bearing rings
Installation:
The installation hole(with elastic bearing ring)Ø24mm(15/16")
The installation hole(without elastic bearing ring)Ø20mm(13/16")
The maximum thickness of the desktop/ceiling 57mm(2.25)

WB-100 Wired Boundary Microphone



Multi-function Switch

- Ultra-quiet electronic switch can control the microphone sound pickup. External LED control allows for accurate depiction of the live status.
- Logic input and output allows the connection with other central control systems. The microphone switch can control or be controlled by external automatic central control system or other devices. The LED can be controlled by the central control or other devices.



Delicate Workmanship

- Heavy die-cast case and non-slip silicon foam bottom pads minimize coupling of surface vibration to the microphone.



Anti-Interference

- ORF shielding technology, offer excellent anti-interference capability, avoid the interference from the cell phone or other wireless devices.



Four Modes For Selection

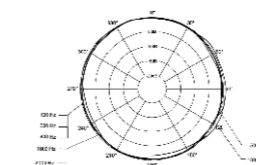
- Mode One: touch-on;
- Mode Two: touch-mute;
- Mode Three: touch-to-talk;
- Mode Four: touch-to-mute.

Product Specification

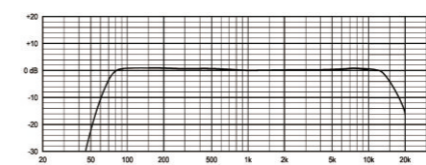


BM-110

Boundary Microphone



BM-110 Polar Pattern



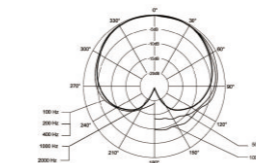
BM-110 Frequency Response

Capsule:	Back of polarization electrostatic condenser type
Polar Pattern:	Hemispherical (omnidirectional)
Frequency Response:	80-18,000 Hz
Sensitivity:	18 mV/Pa = -34.4 dBV
Output Impedance:	< 200 Ω
Max. Input Sound Level:	106 dB [SPL @ 1% THD].
S/N:	68dB, 1 kHz @ 1Pa
Noise Voltage:	6.0 μV [A]
Phantom Supply:	DC12-52V
Current Consumption:	4mA (Typical)
Output Connector:	Built-in 3-pin XLRM
Weight:	95g (include nut and elastic bearing ring)
Dimension:	Length:74mm Width:20mm (steel pipe)39.5 mm(capsule ring)

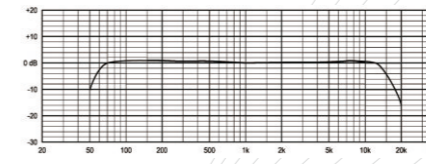


BM-111

Boundary Microphone

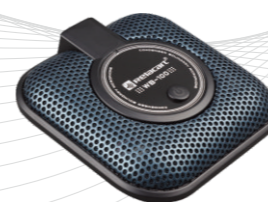


BM-111 Polar Pattern



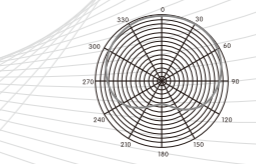
BM-111 Frequency Response

Capsule:	Back of polarization electrostatic condenser type
Polar Pattern:	Hemispherical (unidirectional)
Frequency Response:	80-18,000 Hz
Sensitivity:	18 mV/Pa = -34.4 dBV
Output Impedance:	< 200 Ω
Max. Input Sound Level:	106 dB [SPL @ 1% THD].
S/N:	68dB, 1 kHz @ 1Pa
Noise Voltage:	6.0 μV [A]
Phantom Supply:	DC12-52V
Current Consumption:	4mA (Typical)
Output Connector:	Built-in 3-pin XLRM
Weight:	95g (include nut and elastic bearing ring)
Dimension:	Length:75 mm Width:20mm (steel pipe)39.5 mm(capsule ring)

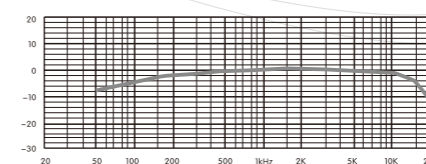


WB-100

Boundary Microphone



WB-100 Polar Pattern



WB-100 Frequency Response

Power Requirement:	24-52V DC Phantom
Consumption:	8mA(Typical)
Element:	Condenser
Polar Pattern:	Cardioid(120°abovemounting surface) Omnidirectional (360°)
Frequency Response:	65Hz-18KHz
Low Frequency Roll-Off:	80Hz, 18dB/octave
Sensitivity:	-36dB 1Pa at 1V
S/NRatio:	>67dB
Output Impedance:	200Ω
Dimension(mm):	110(W)×110(D)×18(H)
Weight:	300g