

**BCM201W
BCM201B****BOUNDARY MICROPHONE(WHITE)
BOUNDARY MICROPHONE(BLACK)**

SYSTEM OVERVIEW

The School Sound System - a full audio over IP-based classroom solution including teaching, paging, messaging, class change & scheduling, hands-free intercom & emergency communication, providing a safe and secure environment for students and staff. The system incorporates Terra-SAP amp processor, a range of IP loudspeakers and BCM201W/BCM201B boundary microphone which can be used for both intercom and classroom speech monitoring applications.

FEATURES

- The BCM201W/BCM201B is designed in high definition, omnidirectional microphone capsule.
- The BCM201W/BCM201B can be connected to the balanced mic input of TERRA-SAP amp processor, providing intercom and classroom speech monitoring applications.
- The mic is available for white and black models.

TECHNICAL SPECIFICATIONS

ELECTRICAL

- Phantom power requirement: 9 VDC ~ 48 VDC

AUDIO CHARACTERISTICS

- Frequency response: 50 ~ 18 kHz
- Capsule sensitivity: -42 (±3) dBu @ 1 kHz (0 dBu=1VPa)
- Dynamic range: 113 dB
- Maximum SPL: 128 dBA @ 30 cm
- SNR: 58 dB(A)
- Output impedance: 130 ohm

MICROPHONE CHARACTERISTICS

- Capsule type: Electret condenser
- Capsule directivity: Omnidirectional

MECHANICAL

- Dimensions
 - Diameter: 20 mm (0.8 inch)
 - Length: 100 mm (3.9 inch)
 - Mic shield cover diameter: 75 mm (3 inch)
 - Mic cable length: 300 mm (11.8 inch)
- Weight: 0.1 kg (0.2 lbs)
- Color: White/Black
- Finish: ABS plastic
- Installation: Flush-mount or pendant

ENVIRONMENTAL

- Operating temperature: -5 °C ~ +55 °C (+ 23 °F ~ +131 °F)
- Storage temperature: -40 °C ~ +70 °C (-40 °F ~ +158 °F)
- Relative humidity: 20% to 95%

SAFETY

- CE/EMI: EN 55013/CISPR13 (pending)
- CE/EMS: EN 61000-4-2(ESD) (pending)

ORDERING INFORMATION

- BCM201W: Boundary Microphone(White)
- BCM201B: Boundary Microphone(Black)

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SYSTEM STRUCTURE

