MICROPHONES

CROWN PCC160 SURFACE MOUNT MICROPHONE



The Crownï PCCï-160 (Phase Coherent Cardioidï) is a surface-mounted half- supercardioid microphone intended for professional applications on stage floors, lecterns, conference tables, and news desksèwherever improved gain-before-feedback and articulation are important. Similar to the Pressure Zone Microphoneï (PZMï), the PCC is designed to be used on a relatively large boundary surface. Unlike the PZM, the Phase Coherent Cardioid uses a subminiature supercardioid mic capsule. Its directional polar pattern improves gain-before-feedback, reduces unwanted room noise and rejects sounds from the rear. Surface-mounting creates a Çhalf-supercardi- oid‰ polar pattern and increases directivity 3 dB. Since the microphone capsule is placed on a boundary, direct and reflected sounds arrive at the diaphragm in-phase. This coherent addition of direct and reflected waves increases sensitivity 6 dB and prevents phase cancellations. The mic capsule is small enough to ensure phase coher- ency up to the highest frequencies in the audible spectrum, resulting in a wide, smooth frequency response free of phase interference. Clarity and reach are also enhanced. Self-contained electronics eliminate the need for an in-line preamp box. The PCC-160 can be phantom powered directly from the console or other remote power source providing 12 to 48 volts. Thanks to its low profile and black finish, the microphone becomes almost invisible in use. A side-mounted connector complements the form factor of the PCC-160, allowing the unit to be placed effectively at the stage edge, at the top of a lectern or in other tight spots. If desired, the cable can be hard-wired for bottom entry.

Fig. 1 Frequency Response

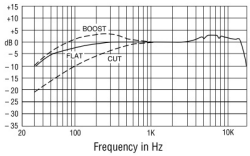


Fig. 3 Horizontal Plane Polar Response

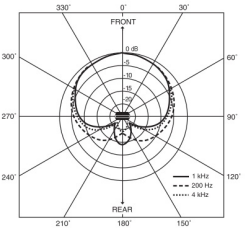
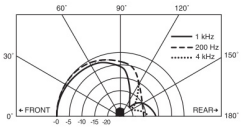


Fig. 2 Vertical Plane Polar Response



Features:

- Industry-standard stage floor microphone Phase Coherent Cardioid design prevents color- ation from surface sound reflections
- High output overrides mixer input noise
- Half-supercardioid polar pattern rejects the pit orchestra and offers high gain-before-feedback
- Very rugged
- Low profile

Applications:

- Theatre
- Conference
- Rock n Roll
- Live Event
- Theme Parks
- Houses of Worship

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