

# PRO INTERCOM

by M<sup>c</sup>CORMICK'S



## BP15 Miniature Portable Headset Station (Beltpack)

- ✓ Performance
- ✓ Durability
- ✓ Value
- ✓ Compatibility

**Performance:** The BP15 continues the Pro Intercom tradition of superior performance, now in a package 1/7th the size of the BP1. All the functions of a full-sized belt pack are retained. The signal button and the mic. On/Off button are shaped differently for easy recognition by touch. Two LEDs are mounted, one to indicate signaling (red, bright) and one (green, low output) to indicate that the microphone is On. The volume control is a thumbwheel. There are two recessed controls. One controls 'sidetone' - the sound of your own voice which you hear in your own earspeaker. The second recessed control adjusts the sensitivity of the microphone input circuit to allow for different outputs of dynamic and electret microphones. The microphone input circuit includes a limiter which keeps the microphone input from being overloaded, causing distortion. The amplifier circuit delivers a crisp, clear signal to the earspeakers for excellent speech recognition, and with a wide enough frequency response to minimize the possibility of ear fatigue during a long performance. The connectors are a 4-pin headset jack and miniature XLR-type jacks for the other two. The BP15 comes with a cable constructed from a length of steel reinforced cable with the miniature plug on one end and a 3-pin female XLR on the other. A second cable is available with the miniature plug on one end feeding into a Y with a male XLR on one leg and a female on the other for looping onward to the next station in the system.

**Durability:** The BP1 has a long reputation for ruggedness and reliability. The BP15 incorporates the very same characteristics that earned the BP1 those accolades. The cabinet is a strong, aluminum extrusion with internal ribbing which not only adds to its strength but provides for support of the printed circuit board along the full length of both sides. The durable end bezels deflect damage. The same (almost indestructible) belt clip used on the BP1 is used on the BP15. Realizing that belt packs are bound to live a rough life, we take every possible opportunity to secure components and 'ruggedize' the complete product.

**Value:** Simple, quick assembly has kept the cost of the BP15 very competitive. Use of only the best available components results in a low predicted incidence of warranty repairs - probably the most important cost savings of all.

**Compatibility:** The BP15 is designed to operate with all 18~30VDC, 200W unbalanced intercom systems.

#### Technical Specifications:

Power requirement: 18~30VDC, 10mA quiescent  
30 mA max, with both lamps lit.  
Headphone output: 8~4K $\Omega$  acceptable, 200 $\Omega$  ideal  
Microphone: Dynamic 200~600 $\Omega$  Electret: 1.0~1.8k $\Omega$

Audio bridging impedance: 200 $\Omega$  unbalanced  
Size: Case only: 3.4 x 2.1 x 0.9 in 8.6 x 5.3 x 2.3 cm  
Overall: 3.8 x 2.3 x 1.4 in 9.7 x 5.5 x 3.3 cm  
Weight: 4.8oz 136g

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