



Headset Station (Belt Pack)

Performance: The BP-1 portable headset station may be worn on the belt or hung on the wall by its sturdy belt-clip. Soft plastic strips on the underside help hold it in place when set on top of a console. The matte black finish minimizes visibility.

Frequency response has been carefully shaped to optimize both intelligibility and long-term listening comfort. A mic. limiter circuit reduces overload distortion. The high bridging impedance ensures that system and sidetone levels do not vary as other stations are switched in and out of the circuit.

The top panel contains controls for switching the microphone on and off, for controlling listening level, and for signaling. They are

easily identifiable by touch. A recessed, screwdriver-adjust control is provided for varying the level of the user's voice to be heard in his own earphone (Sidetone). A long-life, extremely bright, 4-segment LED serves as the signal light. The bottom panel provides a 3-pin female XLR for connection to the system; a 3-pin male XLR for looping onwards to the next station, and; a 4-pin male XLR for connection of any standard communications headset with a dynamic microphone.



Durability: The ribbed, extruded aluminum case; glass-filled nylon end bezels; internal support system for the PC board; best-quality XLR-type connectors, and; recessed controls, all contribute to the outstanding ability of the BP-1 to withstand rough usage.

Value: The comparatively low price of the BP-1 is made possible by the minimized assembly cost resulting from simplicity of construction. Simple construction also affords the use of higher quality components, and increases the ease (thus lowering the cost) of servicing.

Compatibility: The BP-1 is plug-in compatible with Clear-Com[®] and other popular headset intercom systems

Technical Specifications: (Subject to change without notice)

Power requirement: 24~30VDC, 10 mA quiescent,
30mA max. (with signal lamp lit)

Headphone output: 8~4K Ω acceptable, 200 Ω ideal

Microphone input: 200 ~ 600 Ω Dynamic

Sidetone rejection: >50dB

Audio bridging impedance: 200 Ω unbalanced

Size: 3.70 x 4.30 x 2.50 in. (93.98 x 109.22 x 63.5 mm)

Weight: 13.5 oz. (0.385Kg>)

Production Intercom Inc.

P.O. Box 3247, Barrington, IL 60011-324

Voice: (847) 381-5350 Fax: (847) 381- 4360 Sales & Technical Assistance (US & Can): (800) 562-5872
e-mail: info@beltpack.com Web: beltpack.com



Miniature Portable Headset Station (Belt Pack)

Performance: The BP.15 continues our tradition of superior performance, now in a tiny package, 1/7th (0.15) the size of our BP-1 (by volume). 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, in the dark. Two LEDs are mounted, one to indicate signaling (red, bright) and one (green, low output) to indicate that the microphone is On. The BP.15 is available with an optional vibrator in addition to the standard signal LED. The volume control is a thumbwheel, again reducing the likelihood of accidental damage. 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, but with a wide enough frequency response to minimize the possibility of ear fatigue during a long performance. Miniaturization has its costs. The size will not accommodate the conventional three XLR jacks on the bottom (rear) panel.



The 4-pin headset jack had to be retained but we have substituted a miniature XLR-type jack for the other two. The BP.15 comes with a cable constructed from a length of our 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.

All The Features In A Compact Size

Actual Size
3.8 x 2.3 x 1.4 in
9.7 x 5.5 x 3.3 cm
Weight: 4.8oz 136g

Durability: Our BP-1 has a long reputation for ruggedness and reliability. The BP.15 incorporates the very same characteristics that earned the BP-1 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 BP-1 is used on the BP.15. 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 BP.15 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 BP.15 is designed to operate with all

Technical Specifications:

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

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

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Two Circuit Headset Station (Belt Pack)

Performance: The BP-2 or BP-2B portable headset station may be worn on the belt or hung on the wall by its sturdy belt-clip. Soft plastic strips on the underside help hold it in place when set on top of a console. The matte black finish minimizes visibility. Both are true 2-circuit units, permitting the user to talk and/or listen to either or both circuits simultaneously. Separate controls are provided for each circuit.



The BP-2 mixes the incoming audio from both circuits to one earphone.

The BP-2B supplies separate audio from each circuit to each ear (binaural).

The top (or front) panel contains controls for switching each microphone circuit on and off, for controlling each listening level, and for signaling on each circuit. They are easily identifiable by touch. A recessed, screwdriver-adjust control is provided for varying the level of the user's voice to be heard in his own earphone (sidetone). The bottom (or back) panel provides two 3-pin female XLRs for connection to two circuits, and a male XLR for connection of any standard communications headset with a dynamic microphone. Since each of the two back panel 3-pin female XLRs are dedicated to one of the two circuits, it is not possible to loop-through these stations. To loop onwards requires a y-cable consisting of one 3-pin male

XLR and two 3-pin female XLRs. The BP-2 has a 4-pin headset connector; the BP-2B has a 5-pin.

Durability: The ribbed, extruded aluminum case; glass-filled nylon end bezels; internal support system for the PC board; best-quality XLR-type connectors, and; recessed controls, all contribute to the outstanding ability of the BP-2 and BP-2B to withstand rough usage.

Value: The comparatively low prices of the BP-2 and BP-2B are made possible by the minimized assembly cost resulting from simplicity of construction. Simple construction also affords the use of higher quality components, and increases the ease (thus lowering the cost) of servicing.

Compatibility: The BP-2 and the BP-2B are plug-in compatible with Clear-Com[®] and other popular 200Ω unbalanced headset intercom systems.

Technical Specifications: (Subject to change without notice)

Power requirement: 24 ~ 30VDC, 10 mA quiescent, 30mA max. (with signal lamp lit)

Headphone output: 8 ~ 4KΩ acceptable, 200Ω ideal

Microphone input: 200 ~ 600Ω Dynamic

Sidetone rejection: >50dB

Audio bridging impedance: 200Ω unbalanced

Size: 3.70 x 4.30 x 2.50 in. (93.98 x 109.22 x 63.5 mm.)

Weight: 13.5 oz. (0.383 Kg.)

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