



Intercom for Sound, Lighting and Production Professionals

BP1SL (Switchable Between Circuit A or Circuit B) Portable Headset Station



This BP-1 has an Electret/Dynamic Switch located on the rear panel. When pushed to the "In" position the unit will operate with an Electret Mic. When in the "Out" position the unit will operate with a standard dynamic Mic.

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

Performance: The BP1SL is designed to be connected to two different circuits, but may only communicate with one at a time. **When the user is connected to either circuit, the signal lamp for the other is still active.** The BP1SL 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 (front) panel contains controls for switching the microphone on and off, for controlling listening level, for signaling, and for switching between circuits A and B. 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 pair of long-life, extremely bright, red LEDs serve as the signal lights. The bottom panel provides one 3-pin female XLR for connection to each circuit, 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 connectors, and; recessed controls, all contribute to the outstanding ability of the BP1SL to withstand rough usage.

Value: The comparatively low price of the BP1SL 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 BP1SL is plug-in compatible with Clear-Com[®] and other popular headset intercom systems.

Technical Specifications: (Subject to change without notice)

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

Headphone output: 8 ~ 4K acceptable, 200 ideal

Microphone input: 200~600 Dynamic; 1.2~1.8k electret

Sidetone rejection: 50dB

Audio bridging impedance: 200 unbalanced

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

Weight: 13.5oz. (0.383Kg.)

Pro Intercom LLC

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BP1 Portable Headset Station (Beltpack)



This BP-1 has an Electret/Dynamic Switch located on the rear panel. When pushed to the "In" position the unit will operate with an Electret Mic. When in the "Out" position the unit will operate with a standard dynamic Mic.

✓ Performance

✓ Durability

✓ Value

✓ Compatibility

Performance: The BP1 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 (front) panel contains controls for switching the microphone on and off, for controlling listening level, and for signaling. They are easily identifiable by touch, in the dark. 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 back (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; a 4-pin male XLR for connection of any standard communications headset; and a switch for choosing between dynamic or electret headset 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 BP1 to withstand rough usage.

Value: The comparatively low price of the BP1 is made possible by the minimized assembly cost resulting from simplicity of design & construction. Simple construction also affords the use of higher quality components, and increases the ease (thus lowering the cost) of servicing.

Compatibility: The BP1 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 acceptable, 200 ideal

Microphone input: 200 Dynamic or 1.2K electret

Sidetone rejection: >50dB

Audio bridging impedance: 200 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>)

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BP15 Miniature Portable Headset Station (Beltpack)

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

Performance: The BP15 continues our tradition of superior performance, now in a tiny package, 1/7th (0.15) the size of our BP1 (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 BP15 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 BP15 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.

Durability: Our 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, 200 unbalanced intercom systems.

Technical Specifications:

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

Audio bridging impedance: 200 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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BP2 & BP2B True 2-Circuit Portable Headset Stations (Beltpacks)



✓ Performance

✓ Durability

✓ Value

✓ Compatibility

Performance: The BP2 or BP2B 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 BP2 mixes the incoming audio from both circuits to one earphone.

The BP2B 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 BP2 has a 4-pin headset connector; the BP2B 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 BP2 and BP2B to withstand rough usage.

Value: The comparatively low prices of the BP2 and BP2B 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 BP2 and the BP2B are plug-in compatible with Clear-Com[®] and other popular 200 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 ~ 4K acceptable, 200 ideal

Microphone input: 200 ~ 600 Dynamic

Sidetone rejection: >50dB

Audio bridging impedance: 200 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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HS2 Family Of Headset stations



HS2MTL



HS2T



HS2

Performance: The HS2 Series consists of the 3 products shown above, plus 1 more. The HS2MTL (shown upper left) includes a switch for choosing between one of two circuits. It is also available without the switch as the HS2TL. The HS2T is also available with this switch on special order. The HS2TL and HS2MTL are a combination of two well established products, the HS2 headset station and the xenon (strobe) light elements from our Blazon series. All HS2 versions provide the same facilities as our BP1 portable headset stations (belt packs) but in a format suitable for flush mounting (HS2), wall hanging or the desktop. The heavy metal cabinet used by the 'T' versions has keyhole slots for wall mounting and plastic feet for the desktop. 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 front panel contains controls for switching the microphone on and off, for controlling listening level, for signaling, and for adjusting the mic level to accommodate both dynamic and electret headset microphones. 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 HS2T has 3-pin XLR connectors on the rear (top) panel for connection of the station and daisy chaining on to the next station in the circuit. The HS2MT has 5-pin XLRs. **The flush mount HS2 has a terminal strip on the rear and fits in a standard 2-gang electrical box. The mating plug is included.** The headset or handset connects to the station via a front-panel 4-pin XLR connector. The Call button or the xenon lamp on the front panels light whenever anyone on the same circuit presses their signal light button. A built in timer keeps the xenon signal light circuit activated for 4 seconds and the lamp has a 2 Hz frequency, providing 7 to 8 flashes each time. The xenon lamps can be turned off, while the normal signal lamps continue to operate.

Durability: The component board of the HS2s are mounted to a thick metal mounting plate. Long-life switches and controls are used. The cabinets are constructed to withstand the rugged use associated with touring. All XLR connectors are genuine Neutrik®.

Value: Simplicity of design and construction affords the use of high quality components while maintaining a favorable cost/benefit ratio.

Compatibility: The HS2 Series is compatible with Clear-Com® and other lesser-known (unbalanced 200) party-line headset intercom systems.

Technical Specifications:

(Subject to change without notice)

Power requirement: 24 ~ 30 VDC, 10mA quiescent, 40mA max.	Sidetone rejection: 50dB
(with signal lamp lit)	Audio bridging impedance: 200 unbalanced
Headphone output: 8~4K acceptable, 200~400 ideal.	Size: 3.95 x 6.1 x 1.45 in. (100.33 x 154.94 x 36.83 mm)
Microphone input: 200~600 dynamic or 1.2K~1.8K electret	Weight: 8.5 oz. (2.41 Kg)

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