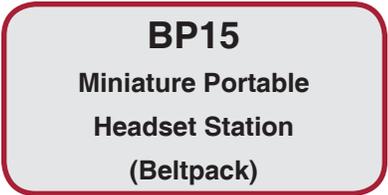




Intercom for Sound, Lighting and Production Professionals



Instructions

1. Plug a headset into the XLR-type 4-pin socket on the back of the unit. The headset wiring standard is shown in Fig.1 on the next page. In Pro Intercom systems, the phase of the earphone is the reverse of that sometimes used. This is done to reduce the effect the headset connector and wiring have on the BP15 bridging impedance and Sidetone (See #8) adjustment stability. Either standard of headset wiring will work with Pro Intercom headset stations.
2. Connect the mini XLR-type plug to the small jack on the bottom (rear) of the beltpack. Plug the standard microphone cable from your power supply or master station into the XLR-type 3-pin female plug on the end of the supplied cable. Note: If you intend to loop onwards to the next beltpack in the system, the end of the cable with the full sized XLR may be split and turned into a Y by adding a male 3-pin XLR. If you prefer, Pro Intercom will provide you with a ready-to-use Y cable at a nominal cost.
3. Important Note: Your BP15 has been engineered to work with either regular dynamic or newer electret microphones in your headset. This allows the use of the large numbers of comfortable light-weight head sets that are now available (but only with electret microphones) to be used with your BP15. Your BP15 has an extra control located behind the rear (back) panel that allows compensation for the varying output of both types of microphones. Once you have your headset plugged in, the beltpack connected to a system, and the Listen Level control set low, this should be the first adjustment you make. You will need a very small screw-driver for this adjustment.
4. Press the mic. button and partly turn up the Listen level control on your beltpack and other stations on the same circuit as you.
5. You should now be able to communicate with any of these other outstations.
6. The thumb operated Listen-level control regulates the loudness of your headset earphone(s). It has NO effect on the microphone level.
7. The flash (signal) push button flashes a light in all outstations connected to your circuit. It is used to attract attention in the event that a user has removed their headset.
8. The screwdriver preset behind the front panel controls the level of your own voice in your head set. This adjustment is called 'Sidetone'. This is set at the factory at a level suitable to the majority of users. This can be altered for personal preference or adjusted for deep cancellation allowing the headset to be removed and used to monitor the audio while off your head . Please note: There are many, many headsets out there manufactured for use with computers. They can usually be identified by the pair of small 1/8" plugs attached. These headsets are NOT suitable for intercom use. Both the microphone and earphone impedances are incorrect as is the phantom voltage.
9. If you are working in a very high noise environment, lowering sidetone will reduce the amount of ambient noise your headset is picking up and amplifying. A very small screwdriver will be required.

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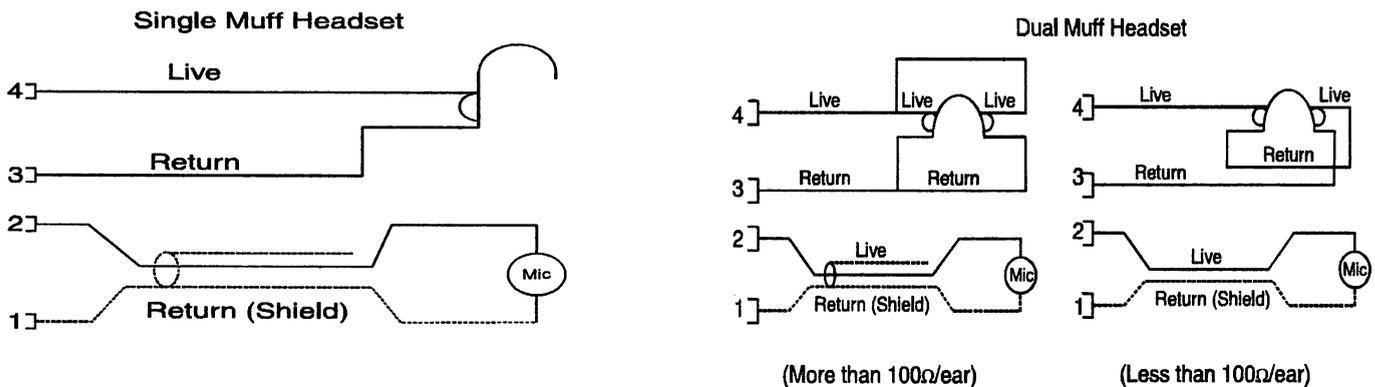
Specifications: (Subject to improvement without notice)

Headset Microphone Impedance: Dynamic: 200Ω Electret: 1.2 ~ 1.8KΩ
 Headset Earphone Impedance: 150-600Ω preferred, 8Ω - 4 KΩ acceptable.
 Voltage: 24VDC nominal, 15-30VDC acceptable.
 Current consumption: 10 mA with speech, 30 mA with signal LED activated.
 Signal Lamp type: Red diffusion 25mA LED
 Microphone-On lamp: Green diffusion 25mA Current reduced to dim.
 Line bridging impedance: 200Ω unbalanced
 Sidetone cancellation: 0dB to 55dB

Controls:

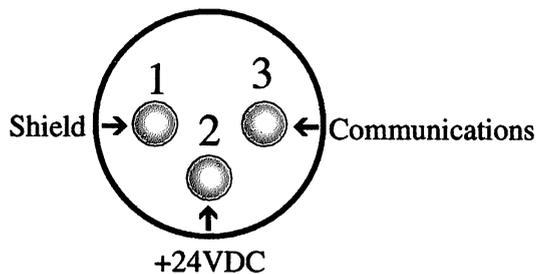
Talk: Push on/push off w/green LED indicator
 Listen level: Thumbwheel operated potentiometer
 Signal: Non-latching push button switch.
 Sidetone: Screwdriver adjust, recessed potentiometer, front panel.
 Microphone sensitivity, recessed potentiometer, rear panel

Headset Connections



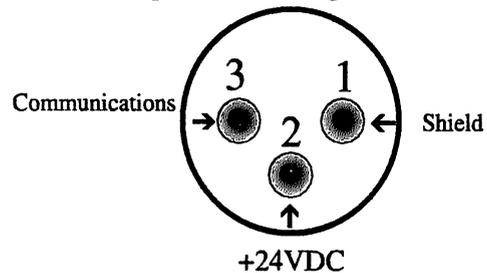
Station Connections

TB3M Male Jack on BP.15 Chassis



Note different (from XLR) positions of Pins 2 and 3

TA3F 3-pin Female Plug on BP.15 Cable



Note Different (from XLR) Positions of pins 2 and 3