HS-1 & 2
Headset Stations

Operating Instructions

These instructions cover the following versions of the HS-1& 2 headset stations:
HS-1: A single-circuit version ready for flush mounting, and an **HS-1M** multi-circuit version.
HS-2: A single-circuit version mounting in a 2-gang electrical box, and an **HS-2M** multi-circuit version
HS-1T: An HS-1 mounted in a table-top or surface mounting enclosure, and an **HS-1TM** multi-circuit version.
HS-1R: An HS-1 mounted in a 2U enclosed rack-mount cabinet and an **HS-1RM** multi-circuit version.
HS-1T/L: An HS-1 in a table-top cabinet with a round strobe lamp mounted on the face.
HS-1 R/L: An HS-1 in a 2U rack-mount cabinet with a round strobe lamp mounted on its face.
HS-2 R/L: An HS-1 in a 1U rack mount cabinet with a rectangular strobe lamp mounted on its face.

Connections to the flush mount versions are made via a terminal strip on the edge of the circuit board. A mating plug is provided with the unit.

1. Plug a headset into the XLR type 4-pin jack (socket) on the front of the unit. The headset wiring standard is shown in Fig.1. In **Production Intercom** systems, the phase of the earphone is the reverse of that sometimes used. This was done to reduce the effect that the headset connector and wiring has on the headset station bridging impedance and 'Sidetone' (See #8) adjustment stability. Either standard of headset wiring will work with **Production Intercom** headset stations.

2. Plug the standard microphone cable from your power supply or master station into the XLR-type 3-pin jack on the back of the unit.

3. Press the mic. button and partly turn up the volume control on your unit and others on the same circuit as yourself.

4. You should now be able to communicate with any other outstations.

5. The volume control regulates the loudness of your headset earphone(s). It has NO effect on how loudly others hear you.

6. The microphone amplifier gain is factory adjusted to suit most types of headset microphones. It contains a limiter/compressor which compensates for differences in microphone output and voice levels. Should your chosen headset have too little mic. output, please contact your dealer.

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 his/her headset. The strobe light on the HS-1TL, HS-1RL and HS-2R/L are even more noticeable. Strobe light versions have a switch for disabling the light.

Production Intercom Inc.
P.O. Box 3247, Barrington, IL 60011-3247
Voice: (847) 381-5350 Fax: (847) 381- 4360 Sales & Technical Assistance (US & Can): (800) 562-5872
e-mail: support@beltpack.com Web: beltpack.com

Printed in U.S.A.
Rev.11/06

8. The screwdriver preset controls the level of your own voice in your headset. This adjustment is called 'Sidetone'. This is set at the factory at a level suitable to the majority of the users. This can be altered for personal preference or adjusted for deep cancellation allowing the headset to be removed and used to monitor.

9. Aside from a reduction in 'Sidetone' stability incurred when a Clear-Com® station is used in a **Production Intercom** communications system, the two systems are compatible.

Specifications:

Headset Microphone Impedance: 200Ω preferred, 30Ω to 1KΩ acceptable.

Headset Earphone Impedance: 150-600Ω preferred, 8Ω - 4KΩ acceptable.

Voltage: 24VDC nominal, 15-30VDC acceptable.

Current consumption: 10 mA with speech, 30 mA with signal lamp activated, 60mA with xenon.

Lamp type: 20 mA incandescent. 56mA xenon on /L models

Line bridging impedance: 200Ω unbalanced

Sidetone cancellation: 0dB to 55dB

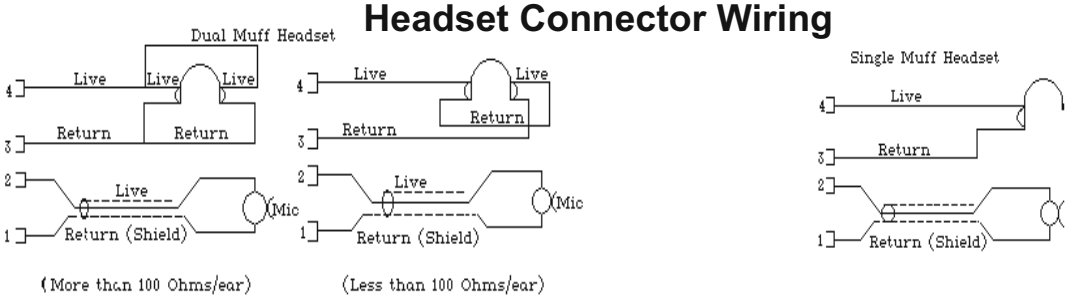
Controls: Talk: Push on/push off, self indicating switch

Listen level: rotary potentiometer

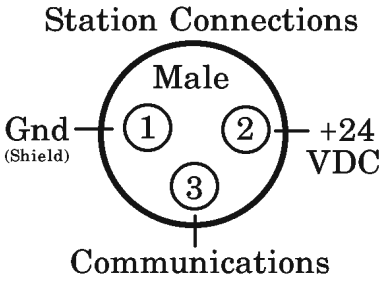
Signal: Non-latching push button switch.

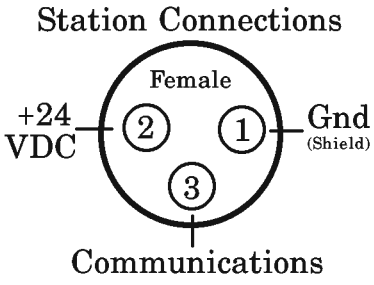
Sidetone: Screwdriver adjust, recessed potentiometer.

Headset Connector Wiring



Station Connections





Flush-mount HS-1& 2 Single Circuit and HS-1& 2M Multi-circuit Connections