TELEX Audiocom *Innovative solutions for today's communications*





BP-1002 and BP-2002

Beltpacks

The BP-1002 and BP-2002 are ideal beltpacks that keep users connected and offer mobility as well as hands free convenience. The power circuitry has been redesigned and reinforced to improve overall performance. For a completely portable intercom system, directly connect your belt pack to the back of an intercom Power Supply or Master Station. Alternately, passive wall connector plates can be permanently installed at strategic locations, and the beltpacks can then be connected to these using cables. Both the BP-1002 and BP-2002 are Clear-Com compatible.

Features

Talk Button and Indicator
The Talk button activates the headset and can operate in either Hands-Free-Talk or Push-to-Talk Mode.

Channel Button and Indicators
On the BP-2002 only. Allows the user to select which intercom channel is active. A yellow indicator light shows the active channel.

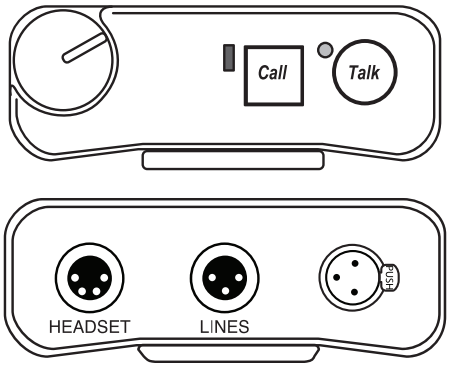
Sidetone Control
The sidetone control adjusts your own voice level heard in the headphone.

Call Button and Indicator
The call function allows the user to send or receive signals to other user stations on the intercom channel. The user can receive call light signals as well as send signals easily.

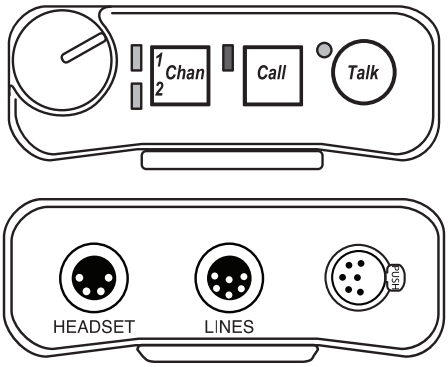
The BP-1002 and BP-2002 are Clear-Com Compatible.

Line Drawing

BP-1002



BP-2002



BP-1002 and BP-2002 Specifications

General:

Power Requirements:
- Channel Supplied: 24 VDC nominal, 45 to 70 mA
- Local-Power: (BP-2002 only) 24 VDC nominal (22 to 30 VDC), 45 to 70 mA

Environmental Requirements:
- Storage: -20°c to 80ºc; 0% to 95% humidity, noncondensing
- Operating: -15ºc to 60°c; 0% to 95% humidity, noncondensing

Dimensions: 5.0” (127 mm) high, 3.5” (88.9 mm) wide, 1.8” (45.7 mm) deep

Weight: 1.5 pounds (0.68 kg)

Headset:

50 to 200 ohm dynamic microphone

150 to 600 ohm headphones

Balanced Intercom Channel:

Output Level: 1 Vrms nominal

Bridging Impedance: greater than 10,000 ohm

Call Signalling:
- Send: 20 kHz ±100 Hz, 0.5 Vrms ±10%
- Receive: 20 kHz ±800 Hz, 100 mVrms

Mic-Off Frequency:
- Detect: 24 kHz ±800 Hz, 100 mVrms

Noise Contribution: less than -60 dB on the line

Connector Type: One XLR-3M and XLR-3F pair, wired in parallel, for each channel (permits “loop-thru” connection).

XLR-3 Balanced Configuration Pinouts

Pin 1: Common

Pin 2: Intercom audio low and +24 VDC input

Pin 3: Intercom audio high and +24 VDC input

XLR-6 Balanced Configuration Pinouts

Pin 1: Audio and DC Common

Pin 2: Local power (22 to 30 VDC, 65 to 150 mA)

Pin 3: Intercom channel 1 audio low and +24 VDC phantom power

Pin 4: Intercom channel 1 audio high and +24 VDC phantom power

Pin 5: Intercom channel 2 audio low and +24 VDC phantom power

Pin 6: Intercom channel 2 audio high and +24 VDC phantom power

Unbalanced Intercom Channel 1

Output Level: 775 mVrms ±10%

Bridging Impedance: greater than 10,000 ohms

Call Signalling:
- Send: 12 ±3 VDC
- Receive: 4 VDC minimum

Connector Type: Uses same connectors as for balanced mode, above, but with pinouts modified as follows:

XLR-3 Unbalanced Configuration Pinout
- Pin 1: Common
- Pin 2: +24 VDC input
- Pin 3: Intercom audio high

XLR-6 Unbalanced Configuration Pinouts
- Pin 1: Common
- Pin 2: Local power (22 to 30 VDC, 65 to 150 mA)
- Pin 3: Channel 1 +24 VDC input
- Pin 4: Channel 1 Intercom audio high and DC call
- Pin 5: Channel 2 +24 VDC input
- Pin 6: Channel 2 Intercom audio high and DC call

Headphone Amplifier

Maximum Output: 60 mW into 150 ohm

Frequency Response: 200 Hz to 8 kHz with no more than 4 dB deviation

Audible Alert: 1 kHz, tone

Total Harmonic Distortion: Less than 2% at 50 mW from the line

Sidetone: 20 dB minimum range, adjustable

Contact Information

Telex Communications, Inc.
12000 Portland Avenue South
Burnsville, Minnesota 55337
Telephone: (800) 392-0498
Fax: (800) 323-0498

Form Number: 38110-214
Date: August, 2007

Ordering Information

BP-1002 • 1 channel select portable metal belt-pack with call light; balanced and unbalanced mode operation. • Catalog Number: 90007740000

BP-2002 • 2 channel select portable metal belt-pack with call light; balanced and unbalanced mode operation. • Catalog Number: 90007740001

This specifications information is preliminary and is subject to change without notification.

Brand names mentioned are the property of their respective companies.