

# BP 1002

# BP 2002

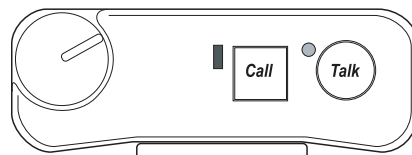
BELT PACK HEADSET STATIONS



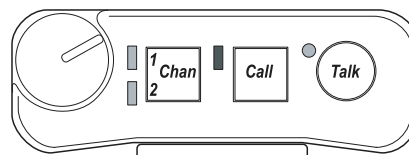
*The BP-1002 and BP-2002 are ideal belt packs that keep users connected and offer mobility as well as hands free convenience. The power circuitry has been redesigned and reinforced to improve overall performance. An RTS Standard Compressor Limiter has been added to improve audio performance. For a completely 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 belt packs can then be connected to these using cables. Both the BP-1002 and BP-2002 are Clear-Com® compatible.*

#### Features:

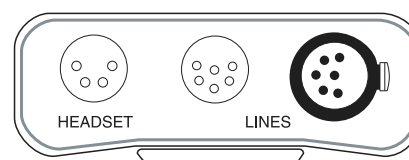
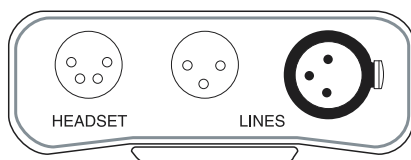
- **Talk Button and Indicator** - The Talk button activates the headset and microphone and can operate in either Latched or Momentary Mode.
- **Chan Button and Indicators** - On the BP-2002 only. Allows the user to select which intercom channel is active. A yellow indicator light shows the active channel.
- **Sidetone Control** - The sidetone control adjusts your own voice level heard in the head phone. The sidetone control is accessible by removing the left screw of the belt clip. To adjust the sidetone level, tap the Talk button once to turn on the headset microphone. Then, using a flat blade screwdriver, increase or decrease your voice level while talking into the microphone.
- **Call Button and Indicator** - The call function allows the user to send or receive signals to other devices on the intercom channel. The user can receive signals as well as send signals easily.



BP-1002



BP-2002



## BP1002 & BP2002 Specifications

### General

<b>Power Requirement:</b>	Channel supplied: 24 VDC nominal, 45 to 70 mA Local Power: (BP-2000 only) 24 VDC nominal (14 to 30 VDC), 45 to 70 mA
<b>Environmental Requirements:</b>	Storage: -20°C to 80°C; 0% to 95% humidity, non-condensing Operating: -15°C to 60°C; 0% to 95% humidity, non-condensing
<b>Dimensions:</b>	5.0" (127 mm) H x 3.5" (88.9 mm) W x 1.8" (45.7 mm) D
<b>Weight:</b>	1.5 pounds (0.68 kg)

### Interface Requirements:

<b>Headset:</b>	50 to 200 ohm dynamic microphone 150 to 600 ohm headphones
<b>Balanced Intercom Channel:</b>	
<b>Output Level:</b>	1 Vrms nominal
<b>Input Impedance:</b>	300 ohm $\pm 5\%$
<b>Bridging Impedance:</b>	greater than 10,000 ohm
<b>Call Signalling:</b>	
	Send: 20 kHz $\pm 100$ Hz, 0.5 Vrms $\pm 10\%$ Receive: 20 kHz $\pm 800$ Hz, 100 mVrms
<b>Mic-Off Frequency:</b>	
	Detect: 24 kHz $\pm 800$ Hz, 100 mVrms less than -60 dB on the line
<b>Noise Contribution:</b>	
<b>Unbalanced Intercom Channel:</b>	
<b>Output Level:</b>	700 mVrms $\pm 10\%$
<b>Input Impedance:</b>	200 ohm $\pm 5\%$
<b>Bridging Impedance:</b>	greater than 10,000 ohms
<b>Call Signalling:</b>	
	Send: 12 $\pm 3$ VDC Receive: 4 VDC minimum

### Ordering Information

Model No.	Description	Order by Cat.
BP-1002	1 channel select portable metal beltpack with call light; balanced and unbalanced mode operation	90007740000
BP-2002	2 channel select portable metal beltpack with call light; balanced and unbalanced mode operation	90007740010

### Distributed by:

All specifications are subject to change without notice.

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## BP1002 & BP2002 Specifications *continued*

### Headphone Amplifier:

<b>Voltage Gain:</b>	27 $\pm 3$ dB from the line
<b>Maximum Output:</b>	60 mW into 150 ohm
<b>Frequency Response:</b>	200 Hz to 8 kHz with no more than 4 dB deviation
<b>Audible Alert:</b>	1 kHz, at the headset
<b>Total Harmonic Distortion:</b>	Less than 2% at 50 mW from the line
<b>Sidetone:</b>	20 dB minimum range, adjustable

### Dynamic Microphone Amplifier:

<b>Voltage Gain:</b>	Mic to Channel; 45 $\pm 3$ dB, before limiting Mic to Headphone; adjustable, 65 dB range into 150 ohm
<b>Frequency Response:</b>	200 Hz to 8 kHz +1/-3dB
<b>Total Harmonic Distortion:</b>	Less than 1% at Channel output at 1 kHz

### Electret Microphone Amplifier:

<b>Voltage Gain:</b>	Mic to Channel; 27 $\pm 3$ dB, before limiting Mic to Headphone; adjustable, 65 dB range into 150W
<b>Frequency Response:</b>	200 Hz to 8 kHz +1/-3dB
<b>Total Harmonic Distortion:</b>	Less than 1% at Channel output

### Warranty

Products are warranted by Telex Communications, Inc. to be free from defects in materials and workmanship for a period of one year from the date of sale.