

### Universal Beltpack

#### BP-6000

The BP-6000 is a portable user stations compatible with Audiocom and Clear-Com party line systems. The BP-6000 is a 2-channel beltpack equipped with a mode-sensing system configuration, meaning the beltpack determines what type of system it is installed into and configures itself according to the system.

The BP-6000 has a 4-pin male XLR connector with auto-sensing headset inputs. Dynamic and electret headset microphones are supported. The loop and line connection both use 6-pin Switchcraft connectors.

Multiple programming options are available. To simplify programming, voice prompts guide the user through the menus.

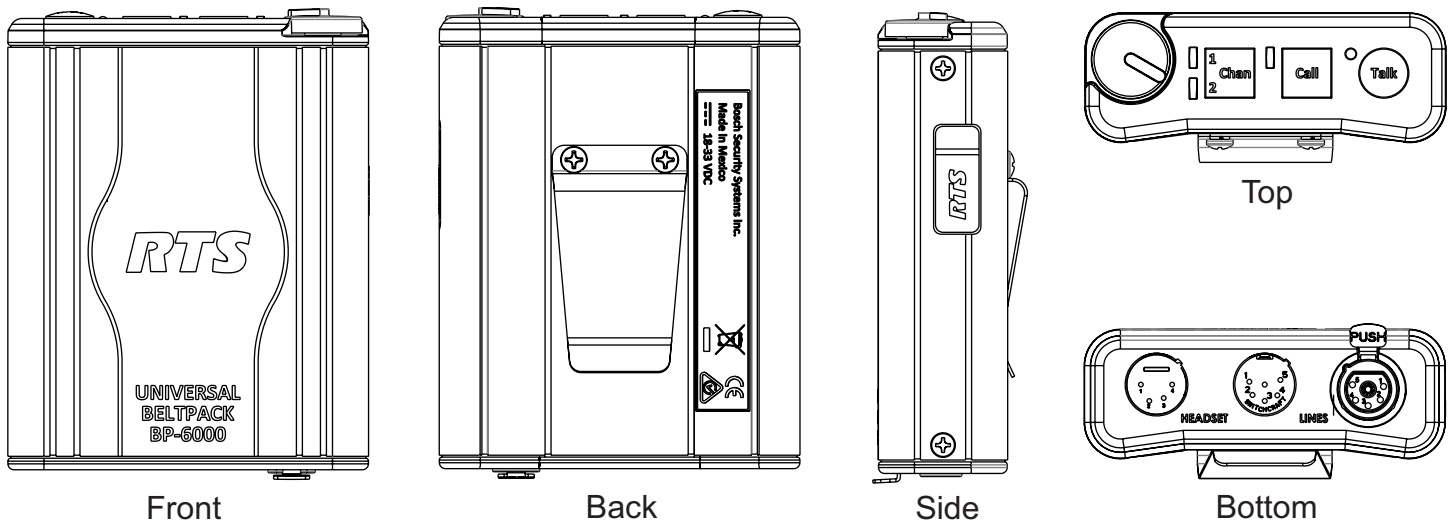
The beltpack is available in black only.



### Features

- Voice prompts for simplified configuration
- Remote Mic Kill turns off all active microphones, reducing background noise.
- Programmable TALK Button, (Always) On, (Always) Off, Switched, or Momentary.
- Mode-sensing System Configuration
- Updated design for modern, sleek appearance
- Reduced current draw allows for more beltpacks being powered by the power supply
- Auto-sensing headset inputs, electret or dynamic
- Uses a 6-pin Switchcraft connectors for line and loop connections.

### Line Drawings



# Specifications

## Power Requirements<sup>1</sup>

Max Operating Current (unbalanced).....	50 mA
Max Operating Current (balanced).....	55 mA
Channel Supplied .....	18–33 VDC
Local Power.....	18–33 VDC

## Environmental

Operating Temperature.....	32° F to 131° F (0° C to 55° C)
Operating Humidity.....	5% to 95%, non-condensing
Storage Temperature.....	-4° F to 158° F (-20° C to 70° C)
Storage Humidity.....	15% to 90%, non-condensing

## Dimensions/Weight

3.75" W x 1.35" D [1.55" D w/beltclip] x 4.69" H [4.79" H with top panel] (95.2 mm W x 34.2 mm D [39.4 mm D w/ beltclip] x 119.2 mm H (121.6 mm H w/ top panel button))	
Weight .....	0.813 lbs (369 g)

## Interface Requirements

Headset .....	50 to 200 $\Omega$ (dynamic) 1k to 13k $\Omega$ (electret)
Headphones .....	50 to 600 $\Omega$

## Balanced Intercom Channel

Output Level .....	0.0 dBu nominal
Noise Contribution.....	<-60 dBu
Total Harmonic Distortion .....	<1.0%

## Terminating Impedance

Balanced.....	300 $\Omega$
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Bridging Impedance.....	>10k $\Omega$
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<sup>1</sup> Proper beltpack operation includes the use of a power supply which has been tested and listed at a recognized safety test laboratory. Safe operation requires that a power supply be selected which supports the maximum current required for the total number of beltacks on the system.

*The specifications are subject to change without notification. Brand names mentioned are the property of their respective companies.*

# Order Information

- BP6000 A4M • BP6000 XLR-4M • BP6000 Beltpack 4-pin Male Headset
- CA 6MSC-6FNT • Cable 6-pin M SWC to 6-pin F NTX (Optional)
- CA 6FSC-6MNT • Cable 6-pin F SWC to 6-pin M NTX (Optional)
- CA-23-16S • Cable 6-pin SWC M to two 3-pin F (Optional)

For ordering information, contact your regional sales representative at: <http://rtsintercoms.com/us/intercom/contact>

## Call Signaling

Send .....	20 kHz
Receive.....	20 kHz

## Mic Off Frequency

Send .....	24 kHz
Receive.....	24 kHz

## Unbalanced Intercom Channel

Output Level .....	0.0 dBu nominal
Terminating Impedance .....	200 $\Omega$
Noise Contribution .....	<-60 dBu
Total Harmonic Distortion .....	<1.0%

## Bridging Impedance

Unbalanced .....	>10k $\Omega$
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## Call Signaling

Send .....	DC Only
Receive.....	DC Only
Total Harmonic Distortion .....	<1.0%

## Headphone Amplifier

Maximum Output .....	>140 mW into 150 $\Omega$ load
Frequency Response .....	200Hz - 8 kHz $\pm$ 2 dB
Audible Alert .....	1 kHz
Total Harmonic Distortion .....	<1.0%
Sidetone .....	>20 dB dynamic range

## Crosstalk

Crosstalk.....	<-60
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