

## Universal Beltpack

### BP-4000 & BP-5000

The Universal Beltpacks are portable user stations compatible with RTS, Audiocom, and Clear-Com partyline systems. Available in 1-channel and 2-channel versions, both have the mode-sensing system configuration, meaning the beltpacks determine what type of system they are installed into and configure themselves according to that system.

The BP-4000 and BP-5000 can be ordered with either a 4-pin female XLR connector or a 5-pin female XLR connector providing a wide-range of headset options. Dynamic and electret headset microphones are supported.

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

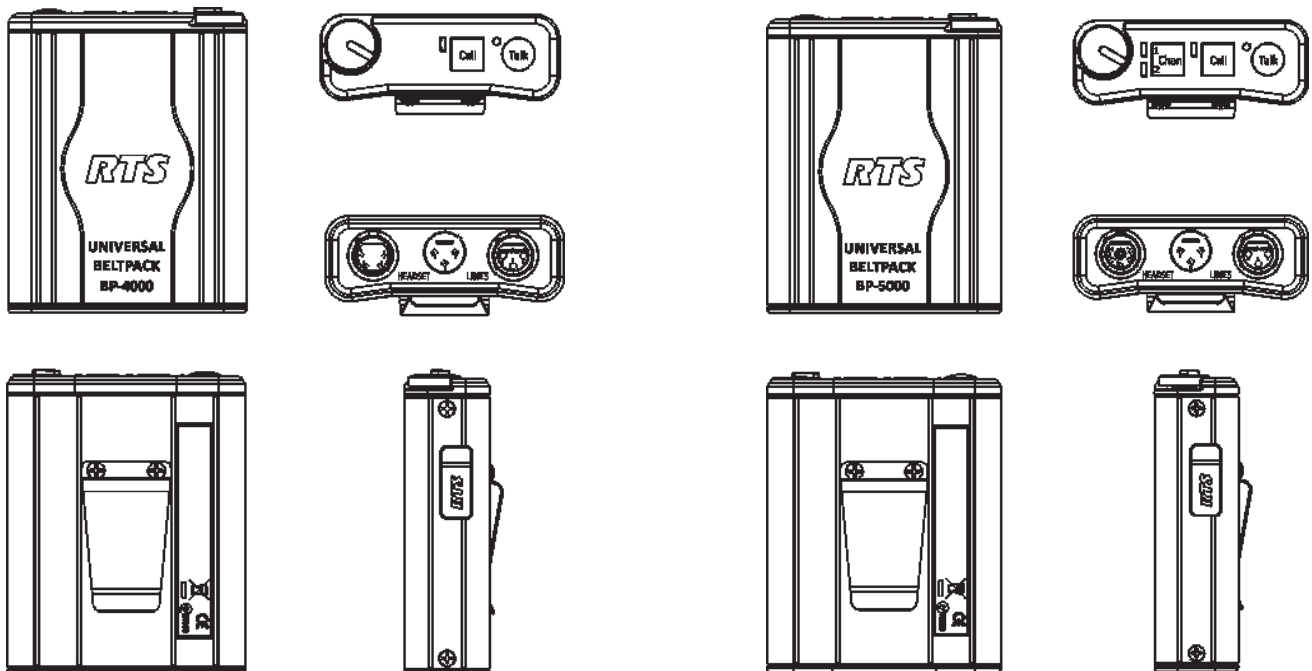
Beltpack are available in black only.



## Features

- Voice Prompt Configuration 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 more modern, sleek appearance
- Reduced current draw allows for more beltpacks being powered by the same power supply
- Auto-sensing headset inputs, electret or dynamic

## Line Drawings



# Specifications

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

Max Operating Current (unbalanced)	45 mA
Max Operating Current (balanced)	52 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

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))

## Interface Requirements

Headset	50 to 200 Ω (dynamic) 1k to 13k Ω (electret)
Headphones	50 to 600 Ω

## Balanced Intercom Channel

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

## Terminating Impedance

Balanced	300 Ω
Bridging Impedance	>10k Ω

<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 beltpacks on the system.

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

# Order Information

- BP4000A5F • BP4000 XLR-5 • BP4000 Beltpack 5-pin Headset
- BP4000A4F • BP4000 XLR-4 • BP4000 Beltpack 4-pin Headset
- BP5000A5F • BP5000 XLR-5 • BP5000 Beltpack 5-pin Headset
- BP5000A4F • BP5000 XLR-4 • BP5000 Beltpack 4-pin Headset

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 Ω
Noise Contribution	<-60 dBu
Total Harmonic Distortion	<1.0%

## Bridging Impedance

Unbalanced	>10k Ω
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## Call Signaling

Send	20 kHz/DC
Receive	20 kHz/DC
Total Harmonic Distortion	<1.0%

## Headphone Amplifier

Maximum Output	>140 mW into 150 Ω load
Frequency Response	200 - 8 kHz ±2 dB
Audible Alert	1 kHz
Total Harmonic Distortion	<1.0%
Sidetone	>20 dB dynamic range