RTS

Universal Beltpack
BP-4000 & BP-5000

The Universal Beltpacks are portable user stations compatible with RTS, Audiocom, and Clear-Com party line systems. They are available in 1-channel and 2-channel versions. Both have the mode-sensing system configuration, meaning the beltpacks can 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 male, 4-pin female, 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.
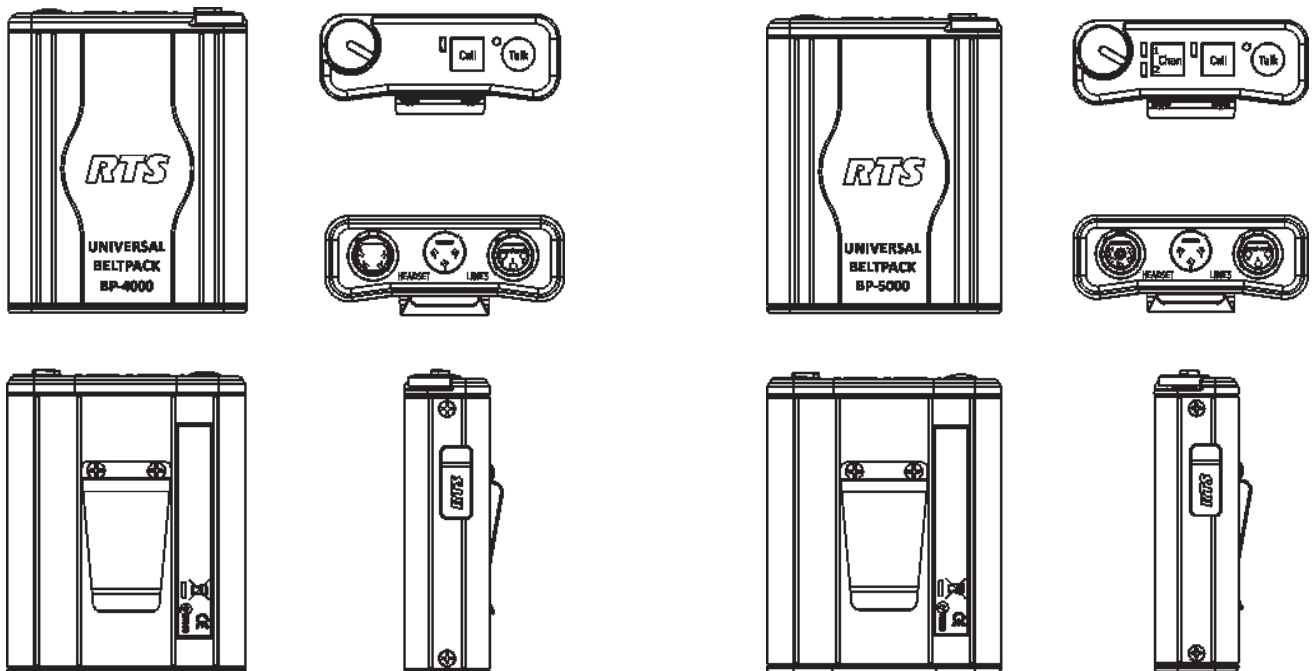
Beltpack are available in black only.

Features

- Voice 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

Line Drawings

Specifications

Power Requirements[1]

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........ 32º F to 131º F (0º C to 55º C)

Operating Humidity................. 5% to 95%, non-condensing

Storage Temperature.........-4º F to 158º F (-20º C to 70º 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])

Weight

BP4000..0.811 lbs (368 g)

BP-5000... 0.813 lbs (369 g)

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

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

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

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1 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

- BP4000 A4M • BP4000 XLR-4 •BP4000 Beltpack 4-pin Male Hdst

- 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

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