

HBP-2X Beltpack



The HBP-2X is a rugged and ergonomically designed 2-channel digital partyline beltpack that can have access to any two of up to twelve available system channels over a single cable.

DESCRIPTION

The HBP-2X is a full-duplex 2-channel digital partyline beltpack that can carry power and audio over a single cable. Each beltpack has the ability to select up to two of the available channels and program feeds on the system, each with individual control. The HBP-2X can be set up in daisy-chain or star configurations without the need for active splitter boxes.

INTUITIVE OPERATIONS

Like the HMS-4X main station, the HBP-2X has high-resolution, 10-character OLED display labels for each channel. The brightness level of the OLED screen, Talk and Call buttons can be controlled from the beltpack. Because there is a separate program level control, the OLED screen will show the level adjustment and then revert back to the standard 2-channel screen.

The HBP-2X's menu screen allows users to independently select among and change channel assignments as necessary, from any position on the intercom line. The beltpack's menu also displays the existing firmware version and volume level. The HBP-2X also has a micro-USB connector to enable individual firmware updates.

EFFICIENT DESIGN

The HBP-2X buttons and volume knobs are optimally positioned to easily locate, identify and control. Made from lightweight cast aluminum alloy, the HBP-2X is built to withstand rugged environments. Three mounting options are available for the HBP-2X: sturdy beltclip, rubber feet for tabletop surface placement and an integrated strap guide for various mounting options.

KEY FEATURES AND BENEFITS

- 2-channel full-duplex digital partyline beltpack
- Power and audio over a single cable
- Access to any two of up to twelve available channels on each beltpack
- Program audio with separate program level control
- Recessed level rotary knob controls
- Pushbutton menu access
- 10-character yellow OLED label display
- USB Micro-AB port
- XLR-4M and 2.5mm TRS headset hacks
- Rugged, cast aluminum alloy casing



Beltpack Top

1. Menu Access Key
2. Talk Key
3. Channel Call
4. Split Screen OLED Display
5. Level Controls

Beltpack Bottom

1. 3-pin XLR Intercom Line In
2. 3-pin XLR Pass-through
3. Program Level Control
4. 2.5mm TRS Headset Jack
5. 4-pin XLR Headset Jack
6. XLR Lock Release

TECHNICAL SPECIFICATIONS

Channels

Two intercom channels (Selectable)
 Program Audio (Assignable from Main Station)

Connectors

Intercom Line: (2) 3-pin XLR-M-F
 Headset: 4-pin XLR-M & 2.5mm TRS jack
 USB: Micro AB

Microphone Pre-Amplifier

Headset Mic
 Impedance: 200Ω (Dynamic)
 Headset Mic Voltage
 1.7V (Electret
 selectable) Limiter: +23dB

The following specified for a route to
 four-wire output at 0dBu out

Mic Gain: 60dB (Dynamic), 45dB (Electret)
 Frequency Response: 300Hz – 10 kHz ±3dB
 Contoured for Intelligibility
 Distortion: <0.2% THD @ 1kHz
 Noise: <-55dBu (Dynamic)
 <-65dBu (Electret)

Headphone Amplifier

Load Impedance: >32Ω
 Output Level: +12dBu before clipping
 Sidetone: -12dBu (selectable)
 The following specified for a route from
 a four-wire input at 0dBu in
 Max Gain: 0dB
 Frequency Response: 40Hz - 10kHz ±3dB
 Distortion: <0.1% THD @ 1kHz
 Noise: -65dBu
 Headphone Limiter: 0dBu (selectable)

Power Requirements

4W DC Voltage Range: 30-60 volts

Environmental

Max temperature is 45°C (113°F)
 0 - 90% relative humidity

Dimensions

6" H x 4" W x 1" D (152 mm x 102 mm x 25 mm)

Weight

16 oz (.454 kg)

Notice About Specifications

While Clear-Com makes every attempt to maintain the accuracy of the information contained in its data sheets, that information is subject to change without notice. Performance specifications included in this data sheet are design-center specifications and are included for customer guidance and to facilitate system installation. Actual operating performance may vary.