

BP-325 Beltpack User Stations

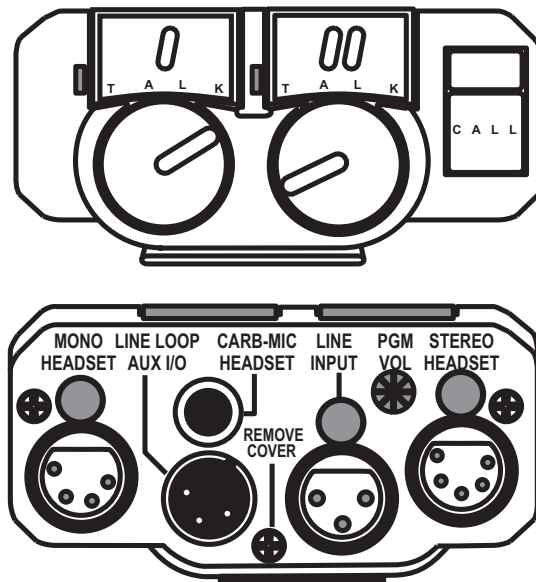


The BP-325 is a portable user stations for use with RTS **TW** (Two-Wire) intercom systems. The BP-325 is a binaural (stereo) programmable 2-channel beltpack with PGM-IN capability. The BP-325 is only for use with a dynamic microphone. Available colors are gray (shown) or black.

Features

- Call function allows the user to send or receive call signals to or from other devices on the intercom channel, including audible call alert on the listen side.
- Microprocessor controlled microphone kill detect.
- Powered externally, via the intercom system power supply on channel 1.
- Headset 4- and 5-pin XLR connection is available.

Line Drawings



BP-325

Specifications

BP-325

General

Power Requirements: +18 to +33 VDC, 30 VDC nominal (standard RTS line), 45 to 85mA

Environmental Requirements:

Storage: -4° F to 158° F (-20° C to 70° C);

0% to 95% humidity, non-condensing

Operating: 32° F to 122° F (0° C to 50° C);

0% to 95% humidity, non-condensing

Dimensions: 5 in (127 mm) H, 3.75 in (96.3 mm)

W, 2.05 in (52.1 mm) D

Weight: 0.66 lbs (300 g)

Impedance Across Intercom Line

10k Ω typical

Noise Contribution to 200 Ω Intercom Line

-75dBu

Headphone Amplifier:

Maximum Voltage Gain: 30 dB

Frequency Response: 100 Hz to 8 kHz,

+/-3 dB

Headphone Impedance: 50 to 600 Ω

Output Power: 150 mW/150 Ω

Output Voltage Level: 8 volt peak-to-peak

Microphone Preamplifier:

Maximum Voltage Gain: 54 dB

Frequency Response: 100 Hz to 8 kHz, +/-3 dB

Input Impedance: >1k Ω

Limiter Range: 30 dB

Program Input

Maximum input level: +20 dBu

Nominal input level: -10 to +8 dBu

Frequency response: 100 Hz to 12 kHz, \pm 3 dB

Monaural Dynamic-mic Headset Connector

XLR-4-31 receptacle (J13)

Pin 1 - Microphone low

Pin 2 - Microphone high

Pin 3 - Common

Pin 4 - Headphone high

Stereo Dynamic-mic Headset Connector

XLR-5-31 receptacle (J14)

Pin 1 - Microphone low

Pin 2 - Microphone high

Pin 3 - Common

Pin 4 - Headphone left high

Pin 5 - Headphone right high

Carbon-mic Headset Connector (J1)

¼-inch, 3-conductor Phone Jack

Used for Headset

Tip - Carbon microphone

Ring - Headphone

Sleeve - Common

Used for Mic Switch

Tip - Remote switch normal-open contact

Ring - No connection

Sleeve - Remote switch common

Intercom Line Input Connector (J11)

XLR-3-31 female receptacle

Pin 1 - Common

Pin 2 - +30 VDC In & audio

Pin 3 - Channel 2 intercom audio

Used for Program Input:

Pin 1 - Common

Pin 2 - Program input high

Pin 3 - Program input low

Used for Remote Mic Switch and/or External

Power:

Pin 1 - Common

Pin 2 - +22 to +24 VDC

Pin 3 - Remote switch normal-open contact

Order Information

BP-325 GRAY • BP-325 • 2-channel binaural (stereo), programmable beltpack; gray
BP325 BLACK • BP-325-BLK • 2-channel binaural (stereo), programmable beltpack; black

The specification information is preliminary and is subject to change without notification.
Brand names mentioned are the property of their respective companies.

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