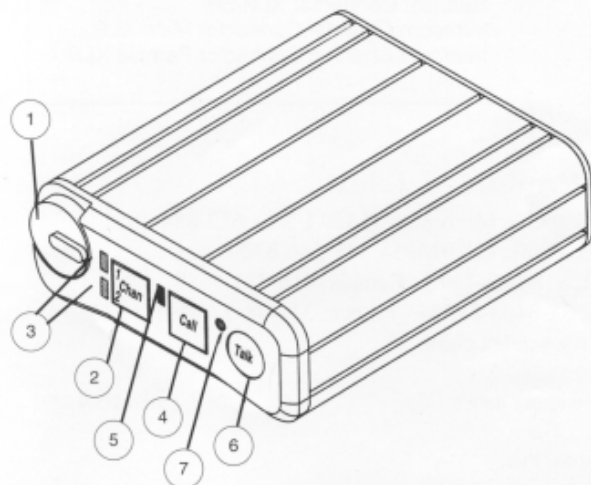


**MODEL BP-318/BP-350 BELTPACK HEADSET STATION**

MICROPROCESSOR ASSISTED/ MULTIFUNCTIONAL

**RTS™****FEATURES AND BENEFITS**

- ☐ 1 channel (BP-318) and 2 channel (BP-350) versions available.
- ☐ Call function allows call signal to be sent and received between units.
- ☐ Call signal detect can activate call light and/or audible call alert signal in headset.
- ☐ Talk key can be operated as latching and momentary as standard.
- ☐ Microprocessor controlled Remote Microphone Kill detection.
- ☐ Dynamic microphone input.
- ☐ Rugged Extruded aluminum case.
- ☐ Water resistant construction.



The RTSTM BP-318 and BP-350 are microprocessor controlled beltpack user stations compatible with the entire RTSTM TW line of products. The BP-318 provides a single channel of intercom, while the BP-350 allows the user to switch between 2 channels of RTSTM compatible intercom.

Both beltpacks include a host of user configurable features, including audible call alert and remote microphone kill enable. The talk key features RTSTM "digi-action" momentary/latching capability. The beltpacks provide a powerful 60 milliwatts of drive to the headset. The RTSTM BP-318 and BP-350 both provide sidetone level adjustment.

For the user that requires dual talk or listen, stereo headset, external program in, or microphone kill signal send, Telex offers the RTSTM BP-325 beltpack user station.

The BP-318 and BP-350 beltpacks are constructed with extruded aluminum bodies and die cast metal end caps for long, long life and reliable operation. The precision fit of the case parts, along with rubber membrane switch covers provide a high degree of water resistance.

The units are powered externally from the RTSTM intercom line using proprietary "Bi-Lateral Current Source" technology. For ease of use, both beltpacks feature male-female loop-through XLR connectors for intercom line.

KEY	FUNCTION
1	Headset Volume Control
2	Channel Select (BP-350 only)
3	Channel 1/2 LEDs (BP-350 only)
4	Call Signal Button
5	Call Signal Detect LED
6	Momentary/Latching Talk Button
7	Talk LED (Mic on indicator)

# MODEL BP-318/BP350 BELTPACK HEADSET STATION

## Model BP-318/BP-350 Specifications

### General:

Channel Supplied Power Requirements: 30 VDC nominal (standard RTS line), 45 to 70 mA

#### Environmental Requirements:

Storage: -20°C to 80°C; 0% to 95% humidity, non-condensing  
Operation: 0°C to 50°C; 0% to 95% humidity, non-condensing

Dimensions: 5.0"(127 mm) H x 3.5"(88.9 mm) W x 1.8"(45.7 mm) D

Weight: 0.75 pounds (0.34 kg)

### Interface Requirements:

#### Headset:

50 to 200 $\pi$  dynamic microphone  
50 to 600 $\pi$  dynamic headphone

#### RTS Intercom Channel:

Output Level: 0.70 Vrms (0 dBu) nominal

Input Level: 200 $\pi$   $\pm$ 5%

Bridging Impedance: greater than 10,000 $\pi$

#### Call Signalling:

Send: 20 kHz  $\pm$ 100Hz, 0.250 Vrms  $\pm$ 10%

Receive: 20 kHz  $\pm$ 200Hz, 100 m Vrms

Mic-Off Frequency Detect: 24 kHz  $\pm$ 200 Hz, 100 m Vrms

Noise Contribution: less than -60 dB on the line

Common Mode Rejection Ratio: greater than 40 dB from the line

### Headphone Amplifier:

Voltage Gain: 27  $\pm$ 3 dB from the line

Maximum Output: 60 mW into 150 $\pi$

Frequency Response: 200 Hz to 8 kHz  $\pm$ 1/-3 dB

Audible Alert: 1 kHz, at the headset

Total Harmonic Distortion: Less than 0.2% at 50 mW from the line

Sidetone: 20 dB minimum range, adjustable

### Dynamic Microphone Amplifier:

Voltage Gain: Mic to Channel; 45  $\pm$ 3 dB, before limiting

Mic to Headphone; adjustable, 65 dB range into 150 $\pi$

Frequency Response: 200 Hz  $\pm$  1/-3 dB

Total Harmonic Distortion: Less than 0.2% at channel output

### Electret Microphone Amplifier:

Voltage Gain: Mic to Channel; 27  $\pm$ 3 dB, before limiting

Mic to Headphone; adjustable, 45 dB  $\pm$ 10% into 150 $\pi$

Frequency Response: 200 Hz to 8 kHz  $\pm$ 1/-3 dB

Total Harmonic Distortion: Less than 0.2% at channel output

### Connector Pin Configurations:

#### Headset Connector:

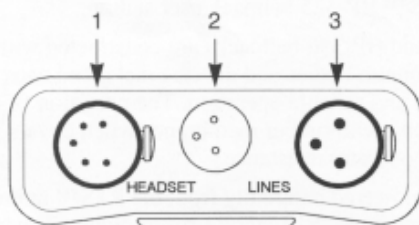
Type: 1/4" Stereo Plug  
Tip: Microphone input high  
Ring: Headphone high  
Sleeve: Common

#### Intercom Channel Connector:

XLR-3M/F Loop thru	BP-318	BP-350
Pin 1	Common	Common
Pin 2	+30 VDC In	+30 In/Syst. Ch. 1
Pin 3	System Channel 2	System Channel 2

#### Headset Connector:

Type: XLR-5M  
Pin 1 Headset microphone low  
Pin 2 Headset microphone high  
Pin 3 Headphone common  
Pin 4 Headphone Left (tied to Pin 5)  
Pin 5 Headphone Right (tied to Pin 4)



BP-318, BP-350

KEY	FUNCTION
1	Headset Connector XLR-5M
2	Intercom Channel Connector Male XLR
3	Intercom Channel Connector Female XLR

## RTS™ Intercom Systems. A Product of Telex

Telex Communications, Inc. • 9600 Aldrich Avenue South • Minneapolis, Minnesota 55420 USA • 612-884-4051

West Coast Office • 2550 Hollywood Blvd. #207 • Burbank, CA 91505 • 818-566-6700

For Fax communication: USA 612-884-0043 • West Coast: 818-843-7943 • Canada: 416-431-4588

Singapore 65-746-1206 • UK 44-1908-694020 • Netherlands: 31-3463-51544 • France: 331-48-77-06-47

E-mail: pro.sound@telex.com • www.telex.com