

# Innovative Industrial Solutions



I.I.S.

## Telex TR-800/825 UHF Wireless Portable Beltpack



The Telex® RadioCom™ TR-800 and TR-825 are Two-channel UHF frequency-agile wireless beltpacks for use with the BTR-800. The TR-825 is a dual listen beltpack, allowing you to listen to “Tech” in one ear and “Production” in the other. Individual volume controls also allow for easy level adjustment. The TR-800 and the TR-825 both have an all metal cast magnesium case, an LCD based graphical user interface, stage announce activation, wireless talk around (ISO) activation, enhanced ClearScan™, detachable antennas and an auto-sensing headset connector that automatically switches between electret and dynamic headset mics.

Innovative Industrial Solutions, Inc.

2830 Skyline Drive Russellville, AR 72802

Phone (479) 968-4266

Fax (479) 890-9072

[www.i-i-s.net](http://www.i-i-s.net)

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## Telex TR-800/825 UHF Wireless Portable Beltpack

### Overall

#### RF Frequency Range

470 - 608 MHz, 614 - 740 MHz in 18 MHz TX and RX bands

#### Power Requirements

6 "AA" Cells Alkaline (NiMH optional)

#### TR-800 Current Draw

140 mA (Push-to-Talk, Talk On)

#### TR-825 Current Draw

190 mA (Push-to-Talk, A and B Talk On)

#### Temperature Range

-4° F to 130° F (-20° C to 55° C)

#### TX Antenna

¼ Wave (supplied), Screw type, Replaceable

#### RX Antenna

¼ Wave (supplied), Screw type, Replaceable

#### TR-800 FCC ID

B5DM518 (TX 470-608 MHz),

B5DM515 (TX 614-746 MHz)

#### TR-825 FCC ID

B5DM517

#### Frequency Response

300 Hz-8 kHz

### Microphone Input Sensitivity

7 mV

### Local Headset Output

40 mW output into 600W (1% distortion)

### Transmitter

#### Type

Synthesized, 712 channels

#### Transmit Power

50 mW Max. (Auto-power reduction)

#### Modulation Type

FM

#### Deviation

40 kHz (35 kHz Europe)

#### RF Frequency Stability

0.005%

#### Modulation Limiter

Peak-Responding Compressor

#### Radiated Harmonics & Spurious

Exceeds FCC specifications

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### Receiver

#### Type

Dual Conversion Super heterodyne, Synthesized,  
FM, 712 channels

#### RF Sensitivity

<0.7  $\mu$ V for 12 dB SINAD

#### Squelch Threshold

20 dB SINAD (About 1.0  $\mu$  V)

#### IF Selectivity

3 dB at 230 kHz

#### Image Rejection

70 dB or better

#### Squelch Quieting

90 dB

#### RF Frequency Stability

0.005%

#### Distortion

<1% at full deviation

#### Product Dimensions/Weight

##### TR-800

3.75" W x 5.05" H x 1.65" D (9.5cm x 12.8cm x 4.2cm)

16 oz (454 g) with alkaline batteries

##### TR-825

3.75" W x 5.35" H x 2.02" D (9.5cm x 13.5cm x 5.1cm)

21 oz (595 g) with alkaline batteries

#### Shipping Dimensions/Weight

##### TR-800

7" W x 4" H x 14" D (17.78cm x 10.16cm x 35.56cm)

16 oz (454 g) with alkaline batteries

##### TR-825

7" W x 4" H x 14" D (17.78cm x 10.16cm x 35.56cm)

21 oz (595 g) with alkaline batteries

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