



## TR-800 & TR-825

### UHF Two-Channel Wireless Synthesized Transceiver & Two-Channel Binaural Wireless Synthesized Transceiver

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.

### Features

#### On/Off & Volume Control

Turns the beltpack power on and controls head set volume.

#### Wireless Talk Around (WTA)

When pressed, the user’s audio is disconnected from the wired intercom, auxiliary input/output and the base station’s local headset. Other beltpack users, on that audio channel, can hear the user as normal.

#### Stage Announce (SA)

When pressed, the user’s audio is routed to the stage announce connector on the back of the base station. The user also loses their sidetone as an indication that stage announce is activated. The other wireless beltpacks and wired users do not hear the user’s audio. The button is non-latching and activates the nearby red LED.

#### Audio Channel Select Button

Allows user to select either audio channel A or B.

#### Bat/Overmod Light (BAT/OM)

Light will flash once when unit is turned on if the battery is good. If the light stays on, battery is low. If the light does not flash, battery is dead. A normal microphone gain setting will cause the LED to flash at the beginning of most words at normal speech levels. If the gain is too high, the LED will be red during the complete word at normal speech levels.

#### Talk Light

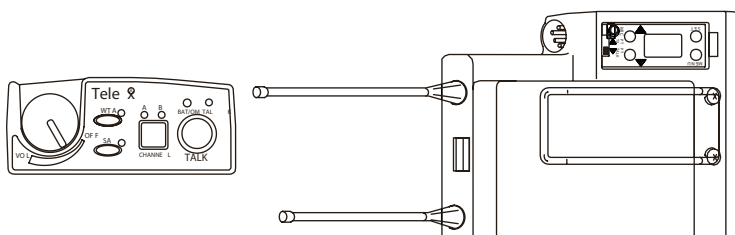
LED is on when the talk button, SA or WTA is active.

#### Talk Button

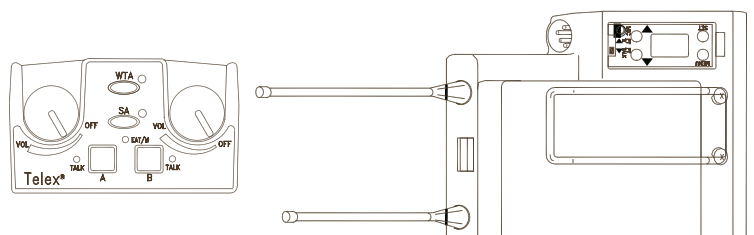
Press to enable the audio path from the local headset microphone. The “TALK” LED, #6, will turn red when enabled. A quick press and release latches the talk function, unless latching has been disabled. Holding the button for over ½ a second will cause the audio path to be enabled only for as long as the button is held. If the talk function is latched on, pressing the talk button again will turn it off.

### Line Drawing

#### TR-800



#### TR-825



# TR-800 & TR-825 Specifications

## 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

## Receiver

### **Type**

Dual Conversion Super heterodyne, Synthesized, FM, 712 channels

### **RF Sensitivity**

<0.7 µV for 12 dB SINAD

### **Squelch Threshold**

20 dB SINAD (About 1.0 µ 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

#### CONSUMER ALERT

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: the system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device. Purchasers should also be aware that the FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change. For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at [www.fcc.gov/cgb/wirelessmicrophones](http://www.fcc.gov/cgb/wirelessmicrophones).

## Ordering Information

**TR-800:** UHF Two-Channel Wireless Synthesized Transceiver with A4M headset connector • Catalog Number: 71306XX

**TR-800-RTS:** UHF Two-Channel Wireless Synthesized Transceiver with A4F headset connector • Catalog Number: 71306XXR

**TR-800-RTS 5-Pin:** UHF Two-Channel Wireless Synthesized Transceiver • Catalog Number: 71306XXR5

**TR-825:** UHF Two-Channel Binaural Wireless Synthesized Transceiver with A4M headset connector • Catalog Number: 71381XX

**TR-825 5-Pin:** UHF Two-Channel Binaural Wireless Synthesized Transceiver with A5M headset connector • Catalog Number: 71381XX5

**TR-825-RTS:** UHF Two-Channel Binaural Wireless Synthesized Transceiver with A4F headset connector • Catalog Number: 71381XXR

**TR-825-RTS 5-Pin:** UHF Two-Channel Binaural Wireless Synthesized Transceiver with A5F headset connector • Catalog Number: 71381XXR5

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

## Contact Information

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Form Number: LIT000275000 Rev B

Date: February, 2010