



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

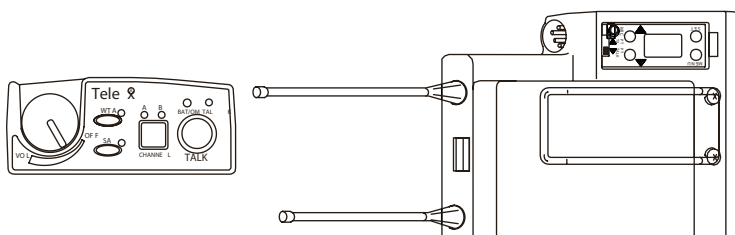
LED is on when the talk button, SA or WTA is active.

Talk Button

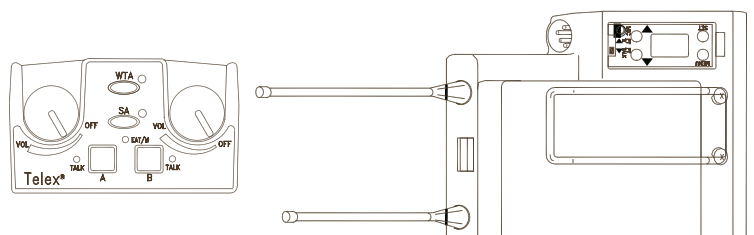
Press to enable the audio path from the local headset microphone. The “TALK” LED, #6, will turn red when enabled. A quick press and release latches the talk function, unless latching has been disabled. Holding the button for over ½ a second will cause the audio path to be enabled only for as long as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

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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