TR-800 & TR-825

UHF 2-Audio Channel Wireless Synthesized Transceiver & UHF 2-Audio Channel Binaural Wireless Synthesized Transceiver

The RTS RadioCom TR-800 and TR-825 are 2-audio 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 user interface, stage announce activation, **WTA** (Wireless Talk Around), 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 headset 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
When pressed, the user's audio is routed to the SA (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 nonlatching 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 flashes 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 causes the LED to flash at the beginning of most words at normal speech levels. If the gain is too high, the LED is red during the complete word at normal speech levels.
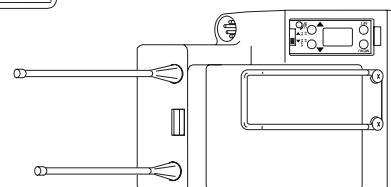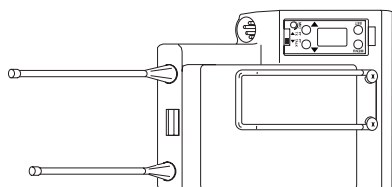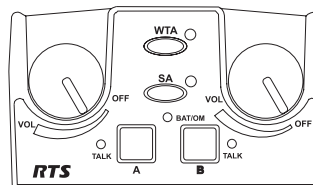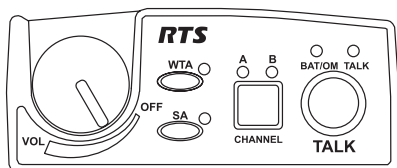
Talk Light
LED is on when the talk button, SA or WTA is active.

Talk Button
The TALK LED, turns red when enabled. A quick press and release latches the talk function, unless latching has been disabled. Holding the button for over half a second causes 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 turns it off.

Line Drawings

Specifications

Overall

RF Frequency Range: .... 470–608MHz, 614–698MHz (614–722MHz, Europe) in 18MHz TX and RX bands

Power Requirements: .... 6 AA Cells Alkaline (NiMH optional)

TR-800 Current Draw: .... 140mA (Push-to-Talk, Talk On)

TR-825 Current Draw: ....190mA (Push-to-Talk A and B Talk On)

Temperature Range:...............-4°F to 130°F (-20°C to 55°C)

TX Antenna:.. 1/4Wave (supplied) Screw type, Replaceable

RX Antenna: .... 1/4 Wave (supplied) Screw type, Replaceable

Frequency Response: 300Hz–8kHz

Microphone Input Sensitivity:..7mV

Local Headset Output:.................... 40mW output into 600W (1% distortion)

Transmitter Type:........................Synthesized, 712 channels

Transmit Power: .... 50mW Max. (Auto-power reduction)

Modulation Type: ....FM

Deviation:...40kHz (35kHz Europe)

RF Frequency Stability: 0.005%

Modulation Limiter: ....Peak-Responding Compressor

Radiated Harmonics
& Spurious: ....Complies with FCC specifications

Receiver Type:... Dual Conversion Super heterodyne, Synthesized, FM 712 channels

RF Sensitivity:..................................<0.7µV for 12dB SINAD

Squelch Threshold:.................... 20dB SINAD (About 1.0µV)

IF Selectivity: .... 3dB at 230kHz

Image Rejection:... 70dB or better

Squelch Quieting: 90dB

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) 16oz (454g) with alkaline batteries

TR-825:..................................... 3.75" W x 5.35" H x 2.02" D (9.5cm x 13.5cm x 5.1cm) 21oz (595g) with alkaline batteries

Shipping Dimensions/Weight

TR-800:.. 7" W x 4" H x 14" D (17.78cm x 10.16cm x 35.56cm) 16oz (454g) with alkaline batteries

TR-825:.. 7"W x 4"H x 14"D (17.78cm x 10.16cm x 35.56cm) 21oz (595g) with alkaline batteries

Order Information

TR-800 • UHF 2-Channel Wireless Synthesized Transceiver with A4M headset connector
TR-800-RTS • UHF 2-Channel Wireless Synthesized Transceiver with A4F headset connector
TR-800-RTS 5-Pin • UHF 2-Channel Wireless Synthesized Transceiver with A5F headset connector
TR-825 • UHF 2-Channel Binaural Wireless Synthesized Transceiver with A4M headset connector
TR-825 5-Pin • UHF 2-Channel Binaural Wireless Synthesized Transceiver with A5M headset connector
TR-825-RTS • UHF 2-Channel Binaural WirelessSynthesized Transceiver with A4F headset connector
TR-825-RTS 5-Pin • UHF 2-Channel Binaural Wireless Synthesized Transceiver with A5F headset connector

For ordering information, contact your regional sales representative at:
http://rtsintercoms.com/us/intercom/contact

The specification information is preliminary and is subject to change without notification.
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RTS

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