



SOUND ASSOCIATES, INC.

T4 WIRELESS TRANSMITTER

TRANSMITTER, REPEATER FOR THE AUDIEN® SUITE OF PRODUCTS:
I-CAPTION®, D-SCRIPTIVE™ AND AUDIEN TRANSLATOR

The T4 is designed to serve as both the transmitter and repeaters for the I-Caption, D-Scriptive and Audien systems. It transmits cue information from the control station to R4 or R6 audio and video hand-held receivers. The fully automated system is designed to display captions, audio description subtitles and/or multi-lingual commentary to wireless receivers.

The T4 Transmitter when coupled with the R4 or R6 Receivers and the Control Station Unit will display I-Caption slides of verbatim closed captions or multi-lingual subtitling. The T4 can also trigger playback of prerecorded audio files in mp3 format on the receiver for audio description for the blind or multi-lingual audio commentary.

The primary T4 transmitter / coordinator is hardwired to the control unit and broadcasts cue information to the receivers via a wireless mesh network in the 900 MHz range. Additional, T4 repeaters can be added to the network to increase coverage. Repeaters can be either wireless or hardwired with CAT5E cable terminated in an EtherCon connector. Local 5-7 VDC is required for all T4 transmitters, whether hardwired or wireless.

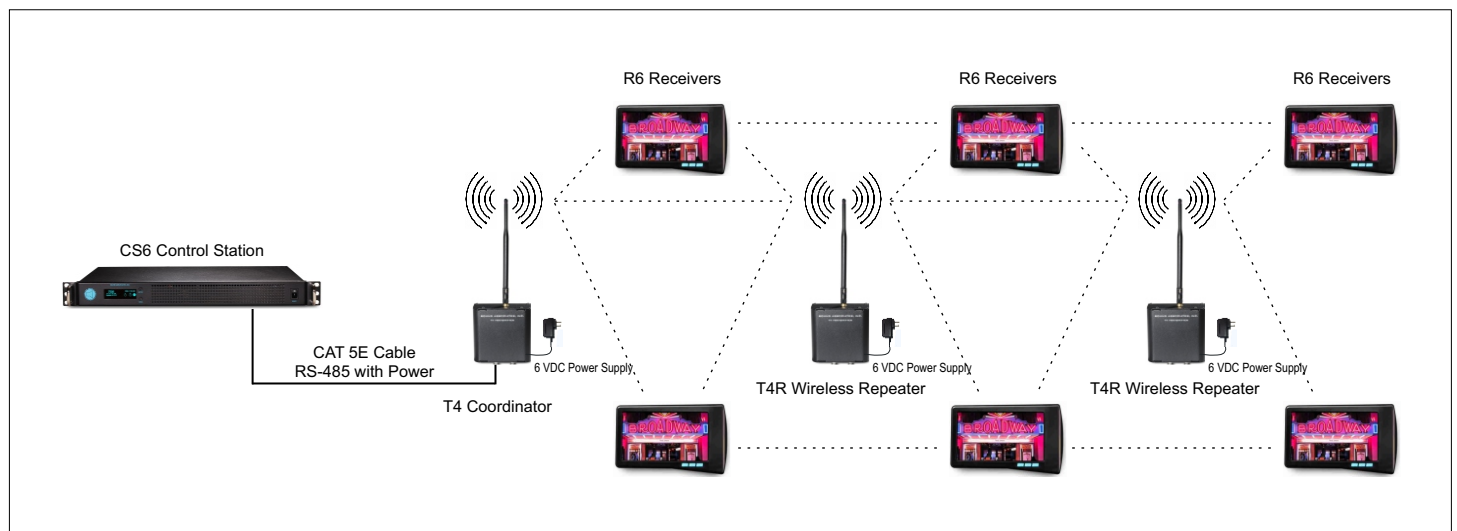
The T4 Repeater unit incorporates a sensitive RF transceiver utilizing a peer-to-peer protocol in 900 MHz or 2.4 GHz range for operation in global markets. This innovative mesh protocol offers added network stability through self-healing, self-discovery, and dense network operation.



Includes:
1/4 wave tilt/swivel antenna
and 5 VDC power supply

Features:

- Utilizes an innovative 900 MHz mesh network specifically designed to work in high traffic radio transmission areas.
- Wireless repeaters can be added as needed.
- Covers approximately 300 ft radius in ideal situations.
- Strong metal case with EtherCon Connectors makes it extremely durable in harsh environments.
- Universal mount allows it to attach to wall, ceiling or microphone stand.
- Hardwired transmitter receive RS-485 information and power down a standard CAT5E cable terminated in a EtherCon connector.



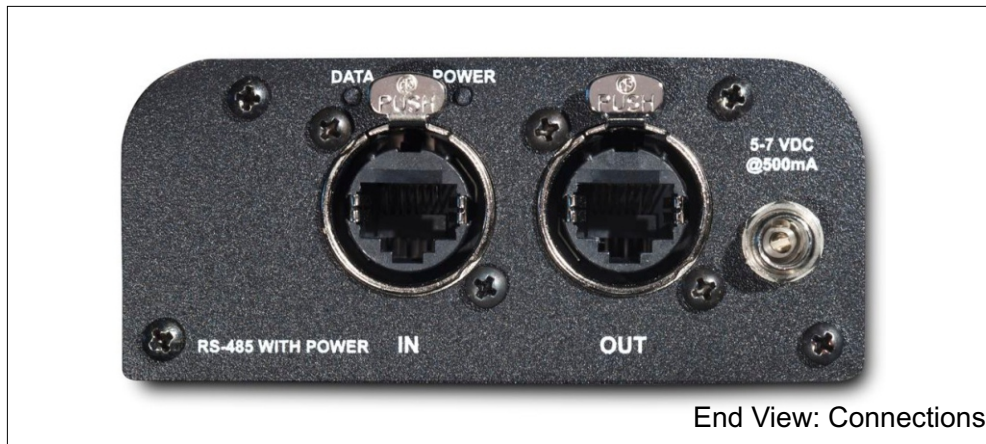
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www.soundassociates.com



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Technical Specification:

I/O Connections/Indicators

Input	EtherCon connection - RS-485 with power
Output/Link	EtherCon connection - RS-485 with power
External Power Jack	2.5 mm DC power jack with locking thread
Antenna Connector	RP-SMA threaded connector
Power Indicator	Solid red LED
Data Indicator	Flashing red LED while data is transmitting

RF Characteristics

Operating Frequency	ISM 900 MHz or (2.4 Ghz for global applications)
Output Power	900 MHz: 250mW (24dBm); 2.4 Ghz: 163 mW (18 dBm)
Range	300 ft. from receiver to closest transceiver, ransmitter or repeater
Receiver Sensitivity	-101 dBm (1% packet error rate)
RF Data Rate	200 kb/s
Agency Approvals	U.S. (FCC Part 15, Canada (ISED), Australia (RCM)

Power

Operation	5 to 7 VDC
Current Draw	Nominal 100 mA
Connection In/Out	CAT5E cable terminated in EtherCon connector
Operation Temperature	0 to 50 degrees C

Mechanical

Mechanical Dimensions	4.25" x 3.75" x 1.5" 12" x 3.75" x 1.5" (antenna fully extended straight out)
Weight	8 oz.
Finish/Material (Front)	Textured black powder-coat aluminum chassis

Warranty

The T4 Transmitter / repeaters is covered by a full three-year warranty, from the original date of purchase, against defects in workmanship or materials. If any component fails due to defects in craftsmanship or materials, we will repair or replace the component without charge. The factory warranty does not cover malfunctions due to abuse or operation other than specified.