

ADI™ RC3/TC3

UHF WIRELESS AUDIO CONVERSION SYSTEM

Professional XLR wireless transmitter and receiver system for microphones, musical instruments and line-level audio applications.

460-950 MHz Wide carrier-frequency range*	20-50 m Typical working distance**	7 Hours Built-in lithium battery	LCD Display Frequency and status monitoring	USB-C 5 V charging input
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Key Features

- XLR Plug-and-Play Design: Connect the transmitter directly to an XLR microphone or compatible source, and connect the receiver directly to a mixer or active speaker.
- Automatic Frequency Tracking: The transmitter automatically tracks the receiver's working channel for fast setup and stable operation.
- Flexible Audio Compatibility: Supports dynamic microphones, small-diaphragm condenser microphones and line input sources; suitable for musical instruments and other audio equipment.
- 48 V Phantom Power: The transmitter provides +48 V phantom power for compatible condenser microphone applications.
- Independent Controls: SET controls allow frequency selection, volume adjustment and signal-strength adjustment on the transmitter.

RECEIVER		TRANSMITTER	
Carrier frequency	460-950 MHz*	Carrier frequency	460-950 MHz*
Sensitivity	-95 dBm	Frequency control	Automatically tracks receiver working channel
S/N ratio	>95 dB	Harmonic radiation	<-55 dBm
Balanced audio output	280 mV	Maximum offset	±45 kHz
Output connector	XLR male	Frequency response	45 Hz-18 kHz
THD	<0.5%	Display	LCD
Frequency response	60 Hz-16 kHz	Battery	Built-in lithium battery
Working distance	20-50 m**, depending on environment	Working current	110-150 mA
Display	LCD	Battery life	Approx. 7 hours
Battery	Built-in lithium battery	Input connector	XLR female
Working current	110 mA	Input methods	Dynamic coil microphone; small-diaphragm condenser microphone; line input
Charging	USB-C input, DC 5 V, >1000 mA	Phantom power	+48 V
Battery life	Approx. 7 hours		

APPLICATIONS	BASIC CONNECTION
• Dynamic microphones • Small-diaphragm condenser microphones • Musical instruments • Mixing consoles • Active speakers and audio equipment • Power amplifier sound systems	Transmitter: Connect to an XLR microphone or compatible audio source. Receiver: Connect the XLR output to a mixer, active speaker or other compatible audio equipment. Pairing: Power on the transmitter and receiver; the system automatically synchronizes the working frequency.

* Carrier-frequency operation is subject to the frequency bands permitted by local regulations. ** Working distance is approximately 20-50 m depending on the environment. Specifications are transcribed from the supplied RC3/TC3 user manual and may vary by production revision.