

WiLD-TX

WIRELESS PRO AUDIO

WiLD Series Audio Transmitter Master unit



PRODUCT OVERVIEW

WiLD-TX is a transmitter device that communicates with all the receiver devices to create a WiLD wireless network. WiLD is the ultimate long-distance wireless audio solution. Designed for retail spaces, museums, and other markets, WiLD offers a cost-effective, robust, and user-friendly installation that blends seamlessly into any environment. Experience superior sound quality with minimal visual impact. Upgrade to WiLD today and transform your audio experience!

The device features unbalanced (2XRCA) and Bluetooth® inputs with tone control. The main functions include pairing and sending audio content to all receiving devices (WiLD-14, WiLD-SB18), ensuring solid and stable communication. Additionally, it manages the global configuration of the system, including audio inputs in use, equalization, output levels, etc.

KEY FEATURES

- USB-C 5VDC Power Supply.
- 2 audio inputs available:
 - Analogue stereo unbalanced. 2 x RCA connectors.
 - Bluetooth®, class 1 (up to 25 meters range, maximum).
- 1x WiLD wireless audio signal transmitted (a mono conversion of the selected signal).
- Maximum number of receivers under control per transmitter device = 32 units.
- Front panel 3 band EQ controls and general (Master) volume control.
- Recommended maximum range from a WiLD TX transmitter to any WiLD paired receiver: 150 metres, with direct line of sight.
- Rear panel WiLD pair button that allows pairing the receivers to the transmitter quickly and easily.
- External universal Power Supply (100-240VAC 50 -60Hz).
- MUTE port, to allow the system's audio silencing when an external dry contact is closed.
- REMOTE port, to allow a simple general volume control for the end user with a WPaVOL or compatible wall panel.

APPLICATIONS

- Retail
- Hospitality
- Education
- Corporate
- Sport & Wellness

ACCESSORIES AND COMPATIBLE DEVICES

- WiLD-14



- WiLD-SB18



- WPaVOL



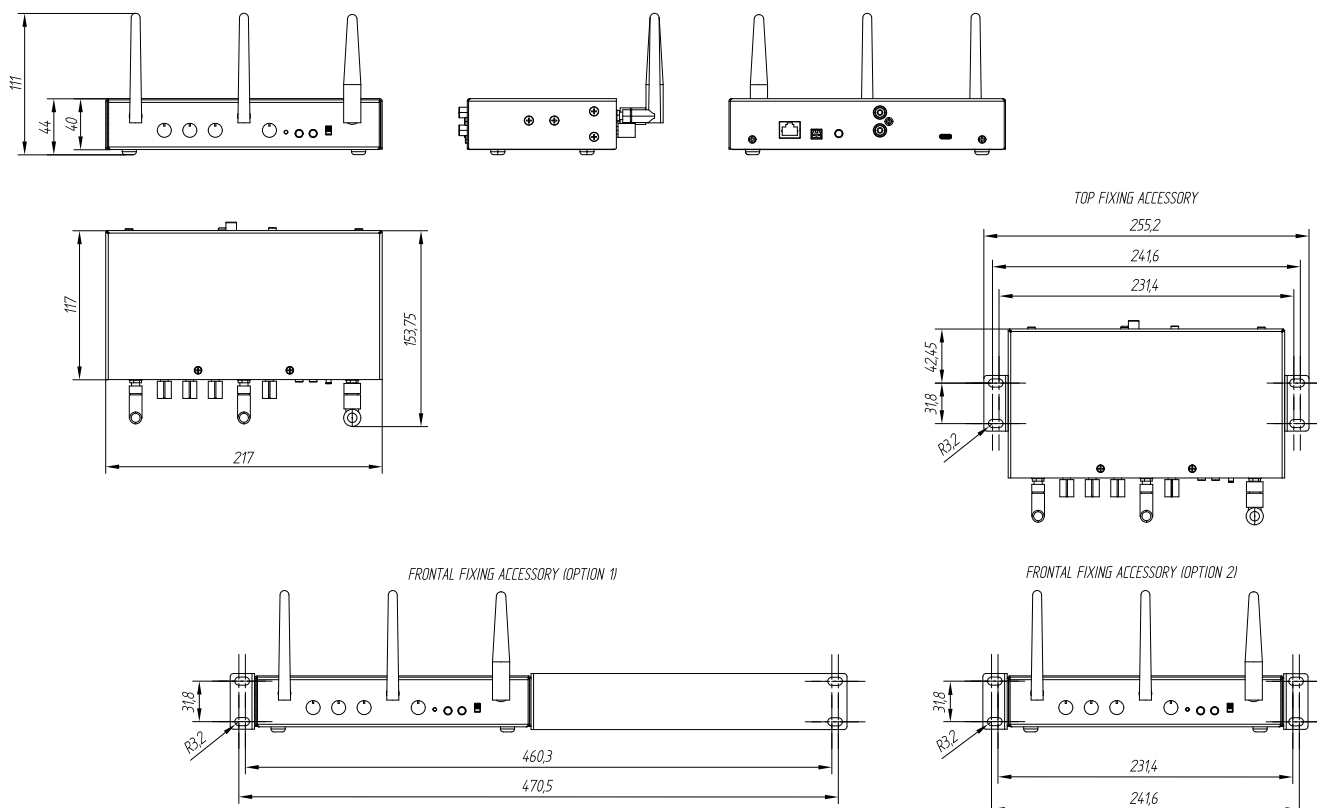
TECHNICAL SPECIFICATIONS

WiLD-TX

WiS (RF Wireless Digital Audio)		
Frequency band	1880 - 1930MHz,EU DECT, US DECT	
Coverage range	Up to 150m from a TX to any paired RX, direct line of sight	
Audio channels	1 stereo audio ch received from the WiLD -TX network	
Audio transmission	16 bit uncompressed, 48kHz SR	
Digital Audio Sample size	16bit	
Digital Audio Sampling rate	48kHz	
Digital Audio Frequency Response	10Hz – 15kHz (-1dB)	
Digital Audio converters	ADC Resolution: 24 bits	
	Dynamic range	
	ADC: 96 dB	
Latency	From TX Analog Audio IN to RX Speaker <26ms	
Analogue Audio Inputs		
Number of inputs	1	
Connection type	2 xRCA unbalanced	
Input sensitivity	-10dBV to 0dBV	
Input impedance	>20kΩ	
Max input level	+6.021dBV	
THD + Noise	<1% (1kHz)	
Bluetooth Audio Input		
Class	Compliant 5.3, Class 2&3	
Range	25m (ideal conditions)	
Profiles	A2DP1.3.2/AVRCP1.6.2	
Supported codecs	SBC	
Control Connectivity		
USB	Power supply and Service & firmware updates	
Analogue remote control	Compatible with WPa series analogue volume control panels	
External MUTE	Normally Open	
Electrical		
Power supply	External, universal Power Supply	
AC mains requirement	100-240 VAC @ 50-60Hz, using supplied DC adapter	
AC mains connector	5VDC IN mains USB-C	
Power consumption	1A at 5V	
Monitoring and Control		
Paring control	Back panel button	
Source selection	Front panel switch	
Volume control	Front panel knob	
Tone control	Front panel knob	
MUTE control	GPI	
LED Indicators	Status	
Auto standby time	1200 seg	
Auto standby threshold	20 dB	
Physical		
Installation options	1 Rack U, Wall or under a surface (table, shelf, cupboard, etc.)	
Enclosure material	Metal	
Mounting system	Surface & Rack ears	

Operating temperature	Min: -10°C ; 14°F Max: 40°C ; 104°F
Operating humidity	<85% HR
Storage temperature	Min: -10°C ; 14°F Max: 50°C ; 122°F
Storage humidity	<90% HR
Included accessories	1x External universal Power Supply, 2x DECT antennas, 1x BT Antenna, 1 x Half Rack Front Adapter, 2x Mounting ears, 1x Wall -mount. bracket, 1x Euroblock connector (mute).
Optional accessories	WPaVOL for volume control
Finished colour	Black (RAL 9005)
Dimensions (WxHxD)	217 x 44 x 117 mm / 8.54 x 1.73 x 4.61 in. 217 x 111 x117 mm / 8.54 x 4.37 x 4.61 in. (including antennas)
Weight	0.9 kg / 1.98 lb
Pieces per box	1 unit
Shipping dimensions (WxHxD)	300 x 60 x 240 mm / 11.81 x 2.36 x 9.45 in.
Shipping weight	1.5 kg / 3.31 lb

MECHANICAL DIAGRAM



A&E SPECIFICATIONS

The wireless audio transmitter shall be a master unit designed to operate within the WiLD wireless audio system, capable of transmitting high -quality digital audio to up to 32 paired receiver devices (e.g., WiLD -14, WiLD -SB18). It shall be suitable for fixed installations in retail, hospitality, education, corporate, and wellness environments.

The device shall feature two audio input options: one analogue stereo unbalanced input via 2 x RCA connectors and one Bluetooth® input (Class 1, up to 25 meters range). The transmitted signal shall be a mono conversion of the selected input. The unit shall include front panel controls for 3 -band EQ and master volume, as well as a rear panel pairing button for quick receiver association.

The wireless transmission shall operate in the 1880 –1930 MHz frequency band (EU/US DECT), with a maximum recommended range of 150 meters (line of sight). The audio signal shall be transmitted uncompressed-at 16 bit resolution and 48 kHz sampling rate, with a frequency response of 10 Hz– 15 kHz (± 1 dB) and latency below 26 ms from analogue input to speaker output.

The unit shall include a USB-C port for 5VDC power supply and firmware updates, and shall be powered via an external universal power supply (100 –240 VAC, 50–60 Hz). It shall also include a MUTE port (dry contact) and a REMOTE port compatible with WPa series analogue volume control panels.

The enclosure shall be made of metal and finished in black (RAL9005). It shall be mountable in 1U rack space, on a wall, or under a surface (e.g., table, shelf). The unit shall include surface and rack mounting accessories.

The dimensions shall be 217 x 44 x 117 mm (WxHxD), or 217 x 111 x 117 mm including antennas. The weight shall not exceed 0.9 kg. The unit shall be supplied with 2 DECT antennas, 1 Bluetooth antenna, 1 half-rack front adapter, 2 mounting ears, 1 wall-mount bracket, 1 Euroblock connector (mute), and 1 external power supply. Optional accessories shall include the WPaVOL wall panel.

The product shall be the ECLER WiLD-TX.