



Configuration:

- AURI-TX2N-A0 Auri 2 Channel Transmitter (North America)
- AURI-TX2N-A0-D Auri 2 Channel Transmitter (Dante) (North America)
- AURI-TX2N-E0 Auri 2 Channel Transmitter (Rest of World)
- AURI-TX2N-E0-D Auri 2 Channel Transmitter (Dante) (Rest of World)

Product Overview:

The Auri™ 2 Channel Transmitter is a sleek, low-profile transmitter designed for professional installations, resembling a Wi-Fi access point. It features balanced analog mic/line inputs, a single ethernet connection for PoE, network control, and Audio over IP, with optional Dante® support. Additional features include a balanced line output, USB-C for power, and a versatile ceiling/wall mounting bracket for easy installation.

Note: this unit does not come with a power supply, it can be powered by PoE or a USB-C supply available separately (LA-425)

Download the most current data sheet (November 2024), subject to change. Check back regularly for updates

Highlights:

- 2 radios with flexible routing options
- Expandable with repeater mode
- Network management
- 2 balanced mic/line inputs with phantom power
- Optional integrated Dante
- Powered by USB-C or PoE

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Includes:

1x AURI-TX2N or AURI-TX2N-D Transmitter 1x Universal mounting bracket 3x Euroblock connectors 1x 1.8 m (6 ft) Cat6 cable 1x Quick Start Guide and Safety Data Sheet

Product Specification: Auri 2 Channel Transmitter			
Inputs			
Input Selection	2 x audio inputs individually selectable between mic, line or optional Dante modes		
Mic/Line Inputs			
Connection	2x 3-way 3.5 mm pitch Euroblock		
Input impedance	15kΩ		



Product Specification: Auri 2 Channel Transmitter		
THD+N	0.03% at 0dBu (line mode) 0.02% at -25dBu (mic mode)	
Common Mode Rejection	56dB	
	Microphone Mode	
Max level before clipping	-25 dBu	
Sensitivity	-65 dBu	
Switchable phantom power	+24 V	
	Line Mode	
Max level before clipping	+16 dBu	
Sensitivity	-25 dBu	
	Dante (optional)	
Connection	Dedicated RJ45 socket	
Port Speed	100 Mbit	
Channels	2	
Sample Rates	48 kHz	
	Line Output	
Connection	1x 3-way 2.5 mm pitch Euroblock	
Nominal output level	+1dBu	
Output impedence	150Ω	
	Radio	
Bluetooth Version	5.3	
Operating Frequency	2400 to 2482 MHz	
Operating Mode	Auracast™ Compliant, Broadcast Only	
Support Codec	LC3	
Maximum Output Power	North America: +20 dBm, Rest of World: +10 dBm	
Output Power Control	Attenuation from regional max to -10dBm	
Encryption	AES128-CCM encryption, with 4-16 character password	
Supported formats	Mono or Stereo	
	Network Audio	
Input routing	Additional input source for each audio stream, must be selected from another TX2N on same network	
Connection	Shared RJ45 with control and PoE	
Channels	2x stereo inputs, 2x stereo outputs	
Format	Multicast RTP	
Bit depth	16 bit	
Sample Rate	16kHz, 24kHz, or 48kHz, matched to broadcast	
Bandwidth	0.5Mbit/s (16kHz) to 1.5Mbit/s (48kHz) per stereo stream	
Latency	5 ms nominal	
	Audio Processing	



Product Specification: Auri 2 Channel Transmitter		
Input routing	Disabled, Input 1 only, Input 2 only, input 1 & 2 Stereo Pair, Input 1 & 2 Mono Sum	
AGC	Switchable, 20dB gain control range	
Low Cut	Switchable, 24 dB/oct, frequency based on sample rate	
	16 kHz sample rate: 75 Hz, 24 kHz sample rate: 110 Hz, 48 kHz sample rate: 220 Hz	
Sample Rates	16 kHz, 24 kHz (Auracast Standard - required), 48 kHz (Auracast High)	
Frequency Response +/- 3 dB (internal, line in to line out)	16 kHz sample rate: 50 Hz - 7.5 kHz, 24 kHz sample rate: 50 Hz - 11.0 kHz, 48 kHz sample rate: 50 Hz - 22.5 kHz	
Latency (internal, line in to line out)	13ms	
Latency (complete system, end to end)	Auri RX1 - 29 ms to 45 ms (dependent on sample rate and mono/stereo) Other receivers will vary	
	Network	
Port Speed	100 Mbit	
IP Address	DHCP, static or link-local	
Protocols	mDNS, UDP (unicast), RTP (multicast), RTCP (multicast)	
Security	UDP communication, AES256 - GCM	
	Controls and Indication	
Buttons	Recessed restart and factory reset buttons	
Setup/Programming	Via Auri™ Manager Software	
Status LED	RGB multi-function LED, see handbook for states	
	Power	
PoE	IEEE 802.3af	
USB-C	5V PD Compliant	
Power Consumption	USB-C: 5V, 370mA (1.85W) PoE: 48V, 53mA (2.54W)	
	Physical	
Dimensions	183 x 173 48 mm (7.20 x 6.81 x 1.89 in.)	
Weight	TX2N - 0.45 kg (0.99 lbs.)	
Weight	TX2ND - 0.47 kg (1.04 lbs.)	
Shipping Weight	TX2N - 0.89 kg (1.96 lbs.)	
Shipping Weight	TX2ND - 0.91 kg (2.01 lbs.)	
Enclosure Material	PC-ABS	
Color	White	
Mounting	Removable wall/ceiling bracket. Multiple holes to support mounting on standard UK, EU and US electrical back boxes and VESA 75	
	Environmental	
Temperature - Storage	-40 °C (-40 °F) to 70 °C (+158 °F)	
Temperature - Operation	-10 °C (14 °F) to 40 °C (+104 °F)	
Relative Humidity	0 to 95% relative humidity, non-condensing	
IP Rating	IP30 (with mounting bracket attached)	



Product Specification: Auri 2 Channel Transmitter Network Requirements			
			Device Discovery
Control	Type: UDP (Unicast), Address: Device IP (DHCP, Static or Link Local), Port: 55666, 56666		
Firmware Update	Type; TFTP, Address: using Device IP, Port: 69		
Network audio	Type: RTP (Multicast), Address: 239.255.0.0/16, Port: 5004, 5006, 5008, 5012		
Network audio	Type: RTCP (Multicast), Address: 239.255.0.0/16, Port: 5005		
Compliance			
Standards	FCC, ISED, CE, UKCA, RCM, MIC, RoHS, REACH, WEEE		
	* Specifications subject to change without notice.		