LISTEN TECHNOLOGIES

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

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)

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	Type: mDNS (Multicast), Address: 224.0.0.251, Port: 5353
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.