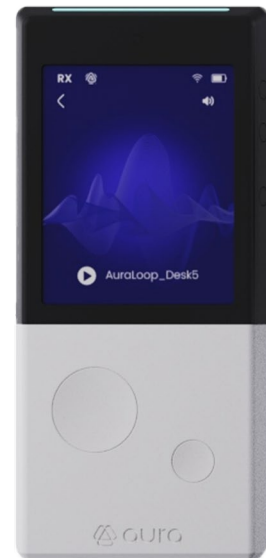# AuraSTRX

The AuraSTRX is an Auracast™ receiver and transmitter designed for portable use, offering an innovative and accessible audio solution. Thanks to its built-in microphone, It enables high-quality audio broadcast to Auracast™-compatible devices (in TX mode), or reception of an Auracast™ signal (in RX mode). It supports the connection of a magnetic collar to transmit sound directly to hearing aids equipped with a T (magnetic loop) position.

RF

Connectivity	Bluetooth 5.2 (BLE)
Operation frequency	2.402 to 2.480 MHz
Auracast™ mode	Transmitter or receiver
Encryption	AES-CCM
Transmitter power	10 dBm (European Union) and 20 dBm (United States of America)
Reception sensitivity	- 95 dBm

CONTROL

Touch screen	2,8-inch, LCD
Mechanical	L5 buttons
Configuration	Screen or AuraConnect application
Update	AuraConnect application

PERIPHERALS

QR code reader	Connect to broadcast
Light sensor	Adjust screen brightness
Proximity sensor	Detect user
Accelerometer	Detect position of AuraSTRX
Status LED	RGB multifunction

AUDIO INPUT

Mode	Stereo or Mono
Connection	3,5 mm, 3 or 4 pins
Impedance	16 or 32 Ohm
Nominal input	57 mW RMS per channel

AUDIO INPUT

Connection	3,5 mm, 4 pins
Input	Micro via Jack 3,5 mm

AuraSTRX

MECHANICAL SPECIFICATION

Dimensions	130 x 60 x 14
Net weight	85 g
Temperature storage	-15 to 60ºC
Protection rating	IP64

AUDIO PROCESSING

Sample rate	16 kHz
	24 kHz
	48 kHz
Codec	LC
Frequency responses	16 kHz : 50 to 7.500 Hz
	24 kHz : 50 to 11.000 Hz
	48 kHz : 50 to 19.500 Hz
Latency	30 ms with AuraGate

POWER AND CHARGING

Power supply	USB-C or docking station
Power	5 V, 500 mA
Dock connection	USB-C
Battery	3,7 V, 1700 mAh

AUTONOMY

Screen always ON, TX, @10dBm	> 8 hours
Screen OFF, TX, @10dBm	> 20 hours
Screen always ON, RX	> 10 hours
Screen OFF, RX	> 50 hours

RECEIVER MODE

- Auracast™ receiver with automatic stream scanning.
- QR Code connection to Auracast™ streams.
- Automatic screen brightness adjustment based on ambient light.
- Intelligent screen shut-off thanks to the accelerometer.
- Simplified configuration with EasyConfig: NFC, Bluetooth via the AuraConnect application, or the charging station
- Identify a guided tour group by colouring the screen or LED banner.

RECEIVER MODE

- QR Code sharing. Built-in microphone that activates automatically via accelerometer.
- Simplified configuration with EasyConfig: NFC, Bluetooth via the AuraConnect application, or the charging station
- Identify a guided tour group by colouring the screen or LED banner.