Summitwave System

Quick Start Guide

Auracast™ System of TX and RX



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1 Contents of the box

Summitwave TX – transmitter

6-channel Auracast™ transmitter with Dante® and two analogue XLR inputs.

Summitwave RX – receiver

Portable receiver with a 1.3″ OLED and a 3.5 mm output for headphones or a hearing loop.

Power supplies and charger

15 W power supply for the TX; compatible charger with 15 W power supply for the RX.

2 Five steps to the first sound

1. **Connect the transmitter**

   Plug a network cable into the **PoE + AoIP + Config** port – this also powers the TX via PoE (IEEE 802.3af). Alternatively, connect the supplied 15 W power supply to USB-C. After switching on, wait about one minute.

2. **Open the web interface**

   The device's own address is on the label on the back, for example `swtx1xxx.local`. Open this address in Chrome, Firefox or Edge – the computer must be on the same network. Confirm the certificate warning under "Advanced". The documented default password in factory condition is `beacon`.

3. **Select the "Demo" audio mode**

   Under **Audio Mode**, select **Demo**. The TX then sends internal programme material or a 1 kHz test tone without any audio source connected. This is the quickest way to check that everything works.

4. **Start the broadcast**

   Enter a short name under **Channel Name**, such as "Main Hall", then click **Start Demo**. The status display shows "Streaming" and the blue LED on the TX lights up; **Audio level monitor** lets you check the level.

5. **Listen with the receiver**

   Plug headphones into the 3.5 mm output of the RX, switch it on with **O**, select the stream name with **+** / **−** and confirm with **O**. Start at a low volume and raise it slowly.

From test tone to a real signal
For a demonstration with your own audio, switch **Audio Mode** to **Analog** and connect a line source to one of the balanced XLR inputs. In a Dante® network, select **Network - Dante** and assign the channel under **Input Device**.

Change the password
Change the default password under **System Configuration** after your first sign-in.

3 Quick troubleshooting

SYMPTOM	
Web interface not reachable	Network cable, power supply, same network and the device's own `.local` address.
Stream not visible	Broadcast started, radio enabled, stream name and transmit power.
Stream without audio	Audio mode, Input Device, source and Audio level monitor.
No sound at the RX	Audio accessory fully connected, volume and selected stream.
Sound drops out	Distance, obstacles, state of charge and local radio conditions.
RX does not start	Battery level and correct seating in the charging station.

Support
Email: support@summitwave.eu · Phone: +43 670 6020 690

4 Good to know

- **Battery:** One charge lasts for 20 hours of operation. The RX is fully charged after 4 hours in the Summitwave Charger4.
- **Audio output:** The 3.5 mm socket takes stereo plugs (TRS). Suitable are headphones with 16–32 Ω or an inductive neck loop.
- **Hearing loop:** First turn the volume down on the RX, then switch the hearing system to its telecoil programme (T-coil) – its instructions explain how.
- **Any number of listeners:** The RX selects a stream by its name; any number of receivers can listen to the same stream at the same time.

5 Key specifications

5.1 Summitwave TX

FEATURE	
Radio standard	Bluetooth LE Audio (Core 6.0)
Auracast™	Broadcast transmitter · up to 6 simultaneous streams
Frequency range	2400–2482 MHz
Transmit power	max. +10 dBm
Codec	LC3 · 16/24/48 kHz · 16 bit
Encryption	AES-CCM · password per stream
Range	typically 100 m
Latency	typically 40 ms end-to-end
Analogue inputs	2 × balanced XLR · line
Dante®	6 channels · additional latency ≤ 4 ms
Power	PoE (IEEE 802.3af) or USB-C 5 V (power supply ≥ 15 W)
Dimensions	134 × 134 × 50 mm · 300 g

5.2 Summitwave RX

FEATURE	
Radio standard	Bluetooth LE Audio (Core 5.3)
Device mode	Auracast™ receiver
Frequency range	2400–2483.5 MHz
Codec	LC3
Audio output	3.5 mm · TRS (stereo)
Output impedance	16–32 Ω
Frequency response	10 Hz–22 kHz
Display	OLED · 1.3″
Battery	Li-Po · typ. 3.6 V · 2000 mAh
Runtime / charging	20 h / 4 h in the charging station
Protection rating	IP44
Dimensions	90 × 60 × 20 mm · approx. 100 g

The full specifications are in the datasheets for the *TX* and *RX*.

6 Safe operation

- Operate both devices only between **−10 °C and +40 °C**. Do not open the housings.
- Set up the TX on a stable surface with sufficient air circulation, and use only undamaged network and audio cables.
- The RX is rated IP44 but is **not waterproof** – do not immerse it or expose it to water jets.
- **To prevent possible hearing damage, do not listen at high volume levels for long periods.** Start every use at a low volume and raise it only to a comfortable level.
- Immediately take devices, cables or batteries out of service if they show visible damage, deformation or unusual heating.

7 Compliance and disposal

Manufacturer: Summitwave FlexCo, Hinterwaldner Strasse 16a, AT-6020 Innsbruck, Austria.

SW TX6DT – radio equipment. Operating frequency 2400–2482 MHz, maximum transmit power +10 dBm. Compliance: CE (RED), EN 62368-1, EN 55032, EN 55035, RoHS, REACH, WEEE.

SW RX – receive-only device without a transmit function, reception range 2400–2483.5 MHz. Compliance: CE (RED), EN 62368-1, RoHS, REACH, WEEE. Contains a Li-Po battery.

Disposal: Waste electrical and electronic equipment and batteries must not be disposed of with household waste.

8 Contact

Write to support@summitwave.eu or call +43 670 6020 690. Detailed instructions are in the User Manuals for the *TX* and *RX* the Quick Start Guides for TX and RX describe each device on its own (*TX*, *RX*).

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