Brainbox

Datasheet

Front

1 - WiFi ext
2 - Switch
3 - WiFi LED
4 - AV-Sync LED

Back

5 - I/O
6 - Audio in
7 - IR out
8 - Power

Bottom

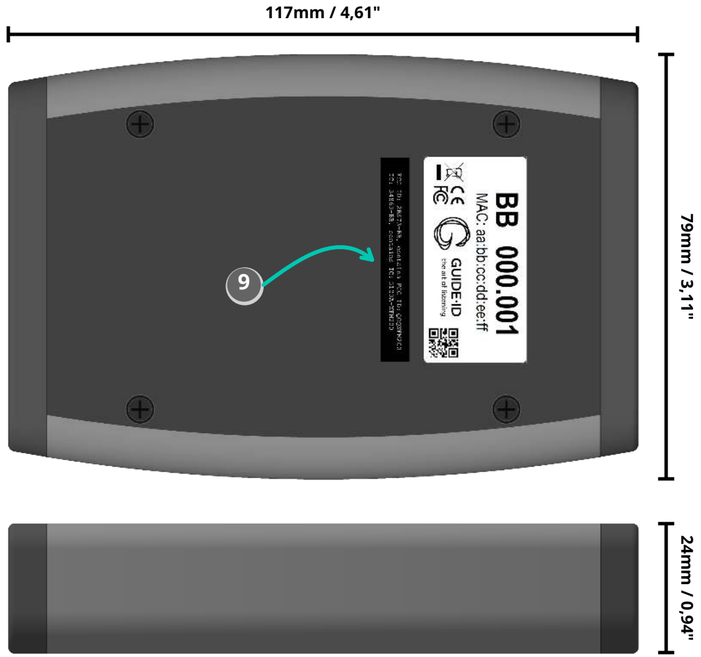
9 - Certification Information

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V1.0.0 221026





Specifications

Dimensions:
117 x 79 x 24 mm / 4.61 x 3.11 x 0.94 inch

Weight:
105g

Power:
Powered via USB-C. Power consumption: <20mA when scanning Wi-Fi and receiving audio.

Temperature (ambient):
0°C to +45°C

Altitude:
<2000m

IP Rating:
None

Connections

Front:
WiFi ext: SMA connector for an external Wi-Fi antenna. *(Optional)*

Switch: Starts the automatic volume calibration.

WiFi and AV-Sync: Two LEDs show the Wi-Fi status and the AV-sync timecode input status.

Back:
I/O: 2x5 GPIO port.

Audio in: 3.5mm audio jack input for receiving the AV-sync timecode encoded audio track.

IR out: RCA output for connecting legacy V3 AV-sync beacons.

Power: USB-C connection for power, receiving timecodes and optional advanced control, for example starting videos on Podcatcher scan.

Radio:
Bluetooth: BLE 5.1 RX and TX. Sends AV-sync timecode messages to synchronise Podcatcher audio with video, and receives Podcatcher messages.

Wi-Fi: Currently unused.