

User manual

Brainbox

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Version: 1.1

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1. Intended Use

The Brainbox serves for two purposes:

- Communication device relaying AV-Signals to Bluetooth for synchronised audio playback
- Function as a Wi-Fi gateway for Bluetooth devices to access the internet

Use	Description
Mounting	Tabletop or wall mounted
Power	USB-C connection (5V)
Temperature range	0–45°C
Altitude	2000 m or less

2. Safety Information

Please read all safety instructions carefully before using this product. Retain these instructions for future reference.

2.1 General Safety

- Use this product only for its intended purpose as described in this manual.
- Do not use this product if it appears damaged or malfunctions.
- Keep the product away from liquids and moisture unless otherwise specified.
- Do not attempt to repair or modify this product yourself. Contact Guide-ID for service.

2.2 Power adapter safety

- Use only the provided charger. Using incompatible chargers may damage the device and void the warranty.

2.3 Disposal and Recycling

This product contains electronic components that require special disposal:

- Do not dispose of this product in household waste. The product must be disposed of separately from general waste in accordance with local regulations.
- Return the product to Guide-ID for proper disposal.

3. Regulatory and Licensing Information

3.1 FCC Compliance Statement (United States)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

FCC Class B Digital Device Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications to this equipment not expressly approved by Guide-ID could void the user's authority to operate the equipment.

3.2 ISED Compliance Statement (Canada)

English:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- This device may not cause interference.

- This device must accept any interference, including interference that may cause undesired operation of the device.

Français:

Cet appareil contient des émetteur(s)/récepteur(s) exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes:

- L'appareil ne doit pas produire de brouillage.
- L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

3.3 RF Exposure Information

This device contains radio transmitters for Bluetooth Low Energy (BLE) and Wi-Fi communications.

This equipment complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

4. Certifications

4.1 Certification Details

This product has been tested and certified to comply with the following standards and regulations.

4.1.1 Europe (CE)

The product meets the essential requirements of all relevant European directives and is eligible for CE marking. The EU Declaration of Conformity can be obtained from: <https://www.guide-id.com/>

4.1.2 United Kingdom (CE)

The UK recognises the EU requirements for the regulations that apply to this product, and hence the applied CE marking is referenced for UK market access. The UK Declaration of Conformity can be obtained from: <https://www.guide-id.com/>

4.1.3 United States (FCC)

FCC ID: 2BS73-BB

This device complies with Part 15 of the FCC Rules.

Contains radio module for Wi-Fi communication certified under FCC ID: QOQWFM200

4.1.4 Canada (ISED)

IC: 34863-BB

This device complies with ISED licence-exempt RSS standard(s).

Contains transmitter module IC: 5123A-WFM200

4.1.5 International Safety (IECEE CB Scheme)

This product is certified under the IECEE CB Scheme for product safety.

- CB Test Certificate: DE 2-045894
- Issued by: TÜV Rheinland, Germany
- Standard: IEC 62368-1:2014

4.2 Contained Transmitters

The Brainbox contains the following radio transmitters:

Technology	Frequencies [MHz]	TX Power EIRP [dBm]	Modulation	Antenna type	Antenna gain [dBi]	Polarization
Bluetooth Low Energy (BLE)	2402 – 2480	1.4	GFSK	Bluetooth Low Energy (BLE)	1.2	Linear
Wi-Fi (IEEE 802.11 b/g/n)	2401 – 2483	17.8	BPSK, QPSK, 16 – QAM, 64 – QAM	Wi-Fi (IEEE 802.11 b/g/n)	4.7	Linear

4.3 Responsible Party Information

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