

# STIMMEBOX USER MANUAL

## Intended Use

The STIMMEBOX is intended for consumer use for connecting to ESTIM SYSTEMS 2B (E2B). It is controlled via the STIMME app. Once connected via Bluetooth you can control your E2B directly in the app. The STIMMEBOX is designed to operate with the built-in Li-Po battery. Any other use is considered misuse and may void warranties and compliance approvals.

## Package Contents

1 x STIMMEBOX (SMB-V1)

1 x Audio cable

## Safety Information

### General Safety

- Read all instructions before using the product.
- Do not expose the device to liquids, moisture, or excessive heat.
- Do not attempt to open, modify, or repair the product.

### Battery Safety (Li-Po 4.2 V)

- Use only USB-C for charging.
- Do not puncture, crush, short-circuit, or disassemble the battery.
- Stop using the device if the battery becomes swollen, leaking, or hot.
- Charge in a well-ventilated area and away from flammable materials.
- Do not leave the battery charging unattended.

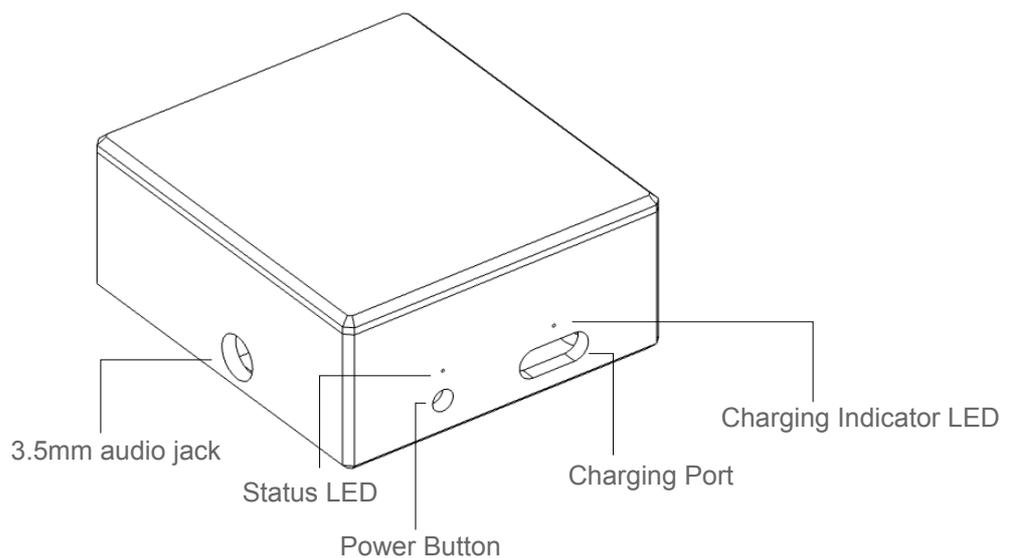
### Choking & Handling

- Keep the device away from small children.
- Contains small parts.

### Controlling your E2B

- It is not guaranteed that the values A, B, C and D defined via STIMME app are neither correctly calculated nor transferred to the connected E2B. Values/Modes displayed in STIMME app may not correspond to the actual E2B setting, e.g. if you change value A on the E2B value A displayed in STIMME app will not be updated automatically.
- Therefore be cautious and only use the E2B in a way that any physically possible setting of the E2B is still tolerable and does not harm you.

## Operating Instructions



### Powering On / Off

- Press and release the Power Button to turn STIMMEBOX on.
- Repeat to turn STIMMEBOX off.

### Bluetooth Connection

1. Turn on STIMMEBOX.
2. Connect the STIMMEBOX with your E2B via an audio cable.
3. In the STIMMEBOX app you have to grant BLUETOOTH access rights
4. On your phone open the STIMME app and press CONNECT.
5. When connected, the app will show the status of your E2B.
6. You can now control your E2B via the app.

## Charging

- Connect to a USB power source using an USB-C cable.
- LED charging indicator:

Red	Charging
Green	Fully charged
Charging time	Approx 2 hours

## Firmware update

You will be informed once a new version of firmware is detected when you connect the STIMMEBOX with the STIMME app.

A firmware update requires a WIFI connection, so you will be requested to enter your WIFI credentials.

During the firmware update you must not turn off your STIMMEBOX. It takes approximately 1 - 3 minutes. STIMMEBOX will blink 10 times after the firmware update was successfully installed.

## Troubleshooting

Issue	Possible Cause	Solution
Device will not turn on	Battery is empty	Charge for at least 30 minutes
Bluetooth not connecting	Device not in pairing mode	Restart device and retry
Short runtime	Battery degradation	Contact support / replace device

## Technical Specifications

Specifications are subject to change without notice.

Battery	3.7V Li-Po rechargeable
Battery capacity	350 mAh
Charging voltage	5V (USB)
Runtime	Up to 5 hours

Operating temperature	0 - 40°C
Storage temperature	0 - 35°C
Bluetooth version	4.2
Bluetooth frequency range	2402 - 2480 MHz
Max RF power output	< 10dBm
Bluetooth range	3 m

## Regulatory & Compliance Information

### FCC Compliance Statement

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

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

### FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Radiation Exposure Statement

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

### EU Compliance (CE Declaration Info)

The manufacturer hereby declares that this device complies with the following EU directives:

- RED 2014/53/EU
- EMC 2014/30/EU
- RoHS 2011/65/EU
- Battery Directive 2006/66/EC / 2013/56/EU
- WEEE Directive 2012/19/EU

The full EU Declaration of Conformity (DoC) is available online: [\[link to DoC PDF\]](#)

## Disposal & Recycling

### WEEE (EU)

Do not dispose of this product with household waste.

Dispose according to local electronic equipment recycling rules.

### Battery Disposal

Li-Po batteries must be recycled or disposed of properly.

Do not throw into fire or household trash.

## Warranty Information

This product includes a 12-month limited warranty covering manufacturing defects. This warranty does not cover damage caused by misuse, modification, or unauthorised repair.

## Disclaimer

The STIMMEBOX is a third-party product. There is no endorsement or connection (formal or informal) with E-Stim Systems Ltd. Use of StimMe may invalidate your E2B guarantee.

## Open Source Software Notice

This product uses open-source software, including the Arduino framework for ESP32 (via PlatformIO) and the AccelStepper library (version 1.62).

- AccelStepper library – MIT License  
Documentation & source: <http://www.airspayce.com/mikem/arduino/AccelStepper>
- Arduino framework and ESP32 libraries – various open-source licenses (MIT, LGPL, Apache 2.0)

Source and documentation are available from the respective project websites.

No modifications have been made to the libraries. You may access the original source code according to the respective licenses.

## Contact Information

For support, repairs, or warranty claims:

Email: [contact@stim-me.de](mailto:contact@stim-me.de)

Website: [www.stim-me.de](http://www.stim-me.de)

Manufacturer Address:

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