

# Quick Start Guide

# BRAINACCESS® MIDI KIT

developed by **NEUROtechnology**

CE



**BrainAccess MIDI Kit** is a compact and comprehensive 16-channel EEG solution developed by **Neurotechnology**.

It includes the EEG device, cap, dry electrodes, Bluetooth® adapter, and comes with a free Software Suite you can download at [brainaccess.ai](http://brainaccess.ai).

Everything you need to start recording high-quality EEG signals for **research, prototyping, or education**.

For complete system setup, electrode installation, safety information, and maintenance procedures, refer to the following BrainAccess extended documentation:



MIDI device –  
Extended Manual



EEG Cap –  
Extended Manual



Electrodes & Cables –  
Extended Manual

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# Package Contents

1. BrainAccess MIDI x1
2. Input Connector x1
3. EEG Cap x1
4. Dry Electrodes x18
5. USB Bluetooth Adapter x1

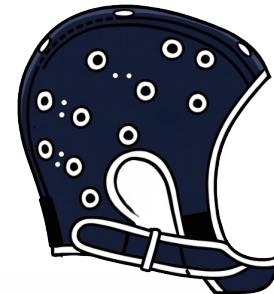
1



2



3



4



5



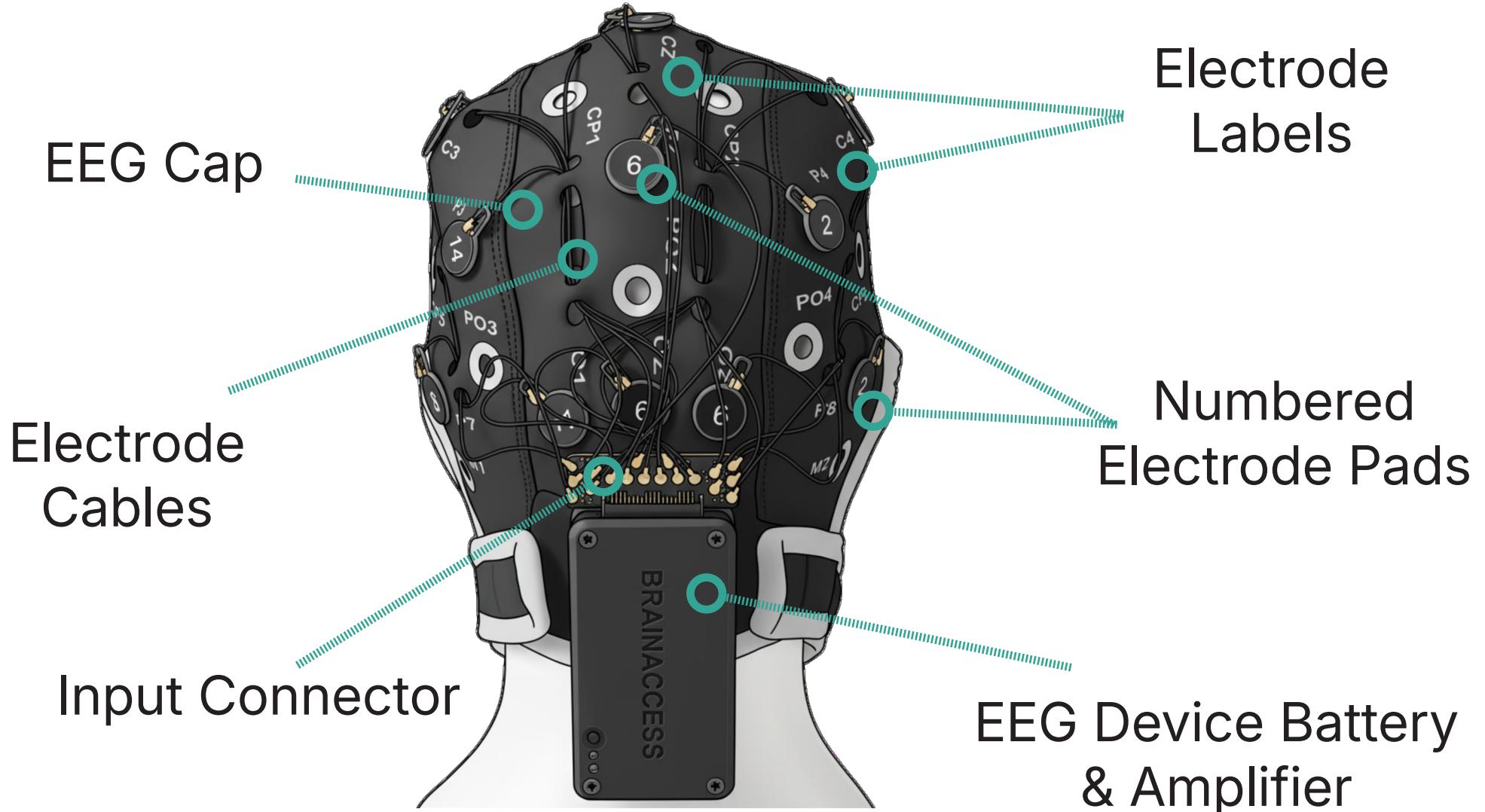
# Safety Notice

- Use only for research and education — **not for medical diagnosis or treatment.**
- Keep away from water, heat, and direct sunlight.
- Do **not** use the device while charging.
- Do **not** open, modify, or disassemble the device.
- Charge only with standard 5V USB-C chargers.
- Use only under **adult supervision.**

# Kit Overview

The kit comes **pre-assembled** and ready to use, with all cables and connectors in place for quick setup.

- **16 EEG channels + 1 Reference + 1 Bias.**
- **EEG cap** with mounted amplifier and routed cables. Electrodes labels are printed on the fabric.
- **18 gold-plated dry electrodes** (16 + REF + Bias).
- Pre-routed **electrode cables** and **input connector**.



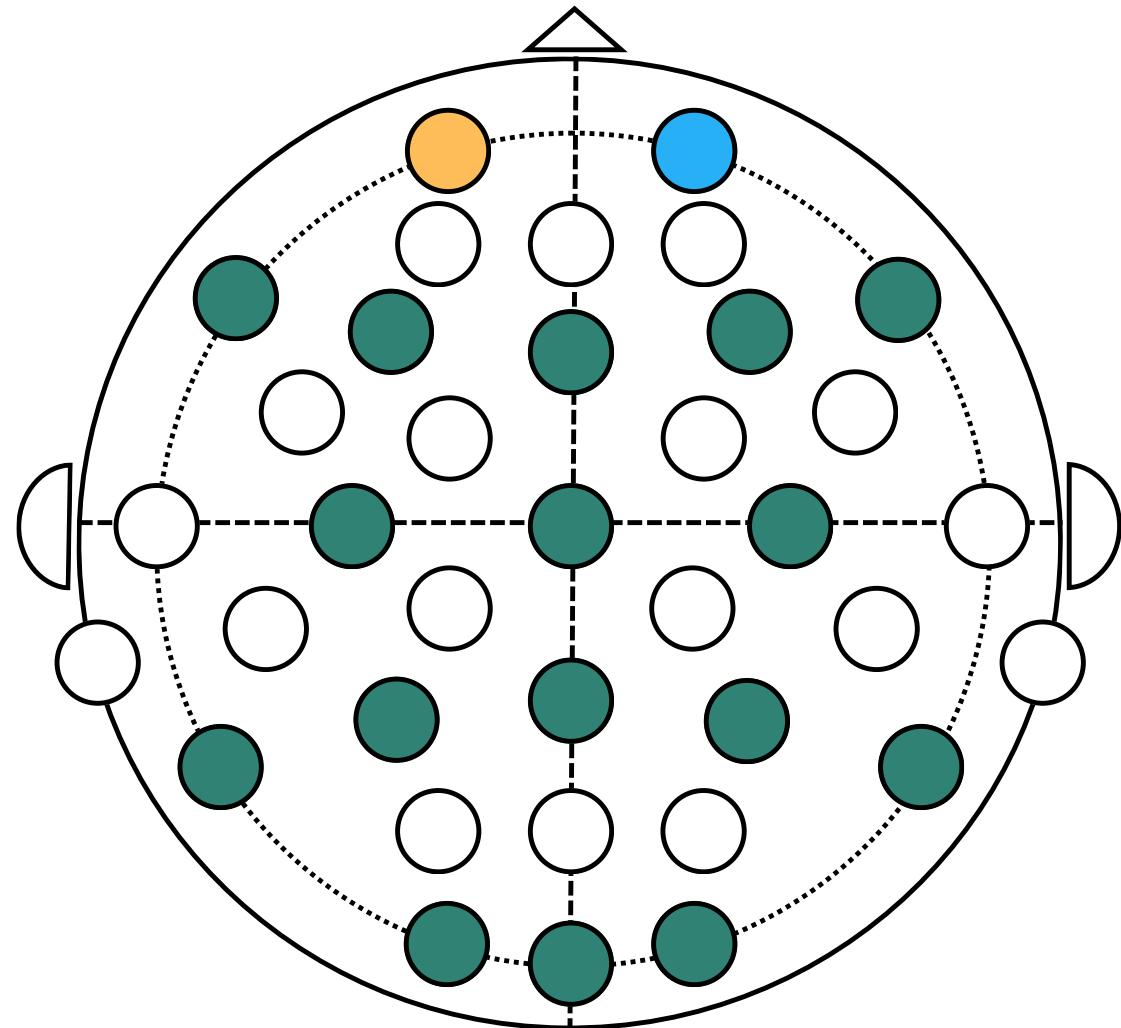
The **MIDI device** contains the **amplifier, rechargeable battery**, and **Bluetooth module**, all enclosed in a compact box mounted on the back of the cap for comfort and balance.

Electrode positions are illustrated in the next page.

## Electrode Layout

- EEG channels
- Reference
- Bias

**Note:** Customized electrode layouts may differ from the one shown.



# Controls & Indicators

**Power button:** Hold 2-3s to turn on/off.  
Device vibrates on activation.

## Connection LED Status:

- Breathing blue → Power on
- Solid blue → Connected

## Power LED Status:

- Fast red blink → Low battery (<15%)
- Breathing red → Charging
- Red off (charging) → Fully charged



Connection LED



Power LED



Power Button



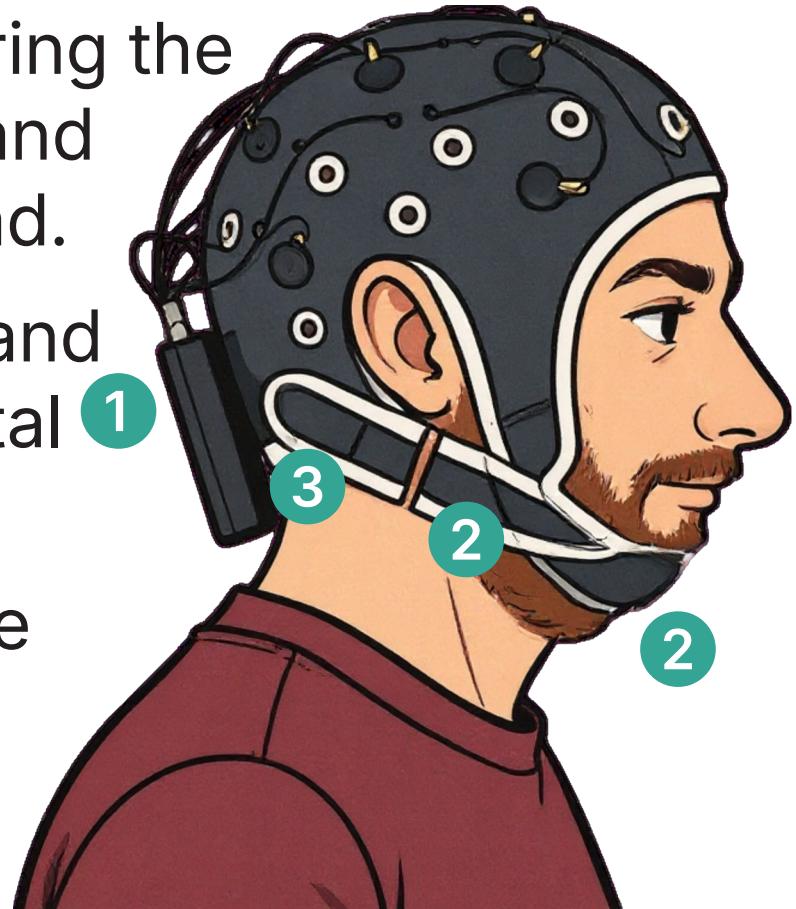
Charging Port



# Wearing the Device

1. Place the cap on your head, ensuring the MIDI device is securely attached and positioned at the back of your head.
2. Place the chin band on your chin and insert the back straps into the metal **1** buckles on both sides.
3. Adjust the straps evenly to achieve a snug and symmetric fit.

*The cap should sit comfortably and look as shown in the illustration.*



Scan to download

# Connecting the Device

## Option 1 – Using a Computer

- Download and install **BrainAccess Board**.
- Plug in the Bluetooth adapter (skip if your computer has built-in Bluetooth).
- Turn on the EEG device and open BrainAccess Board.
- Select the device (by serial number) → press Connect.
- Start streaming, viewing, or recording EEG data.



Brainaccess Board

Scan to download



## Option 2 – Using a Mobile App

- Download **BrainAccess Mobile App** from Google Play (Android 9+).
- Turn on the device and open the app.
- Select the device from the drop-down list.
- Tap Connect to start streaming or saving EEG data.

Brainaccess Mobile

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Brainaccess SDK

## Option 3 – Advanced SDK Use

Developers can use the **BrainAccess SDK** (C / Python API) for full device control, direct streaming, and integration into custom applications.

# Assembling & Disassembling the Kit

- **Assembly:** Insert cables through the routing holes (front → back), align pogo-pin connectors carefully, and press gently until they click into place.
- **Disassembly:** Hold connectors by the edges and pull straight out. Never twist or pull from the cable.

⚠ *Frequent disassembly is not recommended.*

For complete guidance and diagrams, refer to the  
**Electrodes & Cables — Extended Manual.**

Scan the code



# **Cleaning & Maintenance**

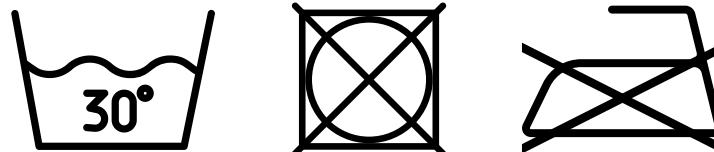
Regular maintenance ensures reliable performance and safety. Always disconnect the device from the kit before cleaning the components.

For full maintenance guidelines, refer to the **Extended Manuals**.

Store **device** in the original package in a dry, cool place.

## a) Washing the EEG Cap

1. **Disassemble** the cap from electrodes and cables.
2. Wash at **30° C** with a mild detergent in a protective laundry bag.
3. Do **not** use bleach or fabric softeners.
4. Air dry at room temperature.
5. Ensure the cap is **completely dry** before reassembly.



## **b) Maintenance of Cables and Input Connector**

1. Check regularly for bent pins or insulation damage.
2. Avoid pulling cables; disconnect by holding the connector.
3. Wipe with a slightly damp cloth if needed.
4. Never submerge in liquids.
5. Clean connector pins gently with a dry soft brush (only if needed).
6. Store caps with cables untangled.

## c) Cleaning the Gold-Plated Dry Electrodes

1. Inspect before/after use for damage or residue.
2. Clean gently with a soft brush or damp lint-free cloth and mild detergent.
3. Do **not** immerse in water or liquids.
4. Dry fully before storage.
5. Store in a dry, dust-free place.

## d) Cleaning the Datwyler SoftPulse™ Electrodes \*

1. Check for cracks or wear before use.
2. Do **not** bend or twist.
3. Wipe with a damp lint-free cloth and mild detergent.
4. Avoid alcohol or solvents.
5. Air dry completely before reuse.
6. Store away from sunlight and sharp objects.
7. For full care, see Datwyler's documentation.

*\* if included in your kit*

## Warranty

The device is covered by a 1-year limited warranty against defects in materials and workmanship.

Warranty does not cover misuse, modification, or damage caused by unauthorized repair.

Contact [\*brainaccess@neurotechnology.com\*](mailto:brainaccess@neurotechnology.com)  
for warranty service.

# Support

Free technical support is available for:

- Device not turning on.
- Charging or connection issues.
- Bluetooth or data streaming problems.

For consulting or experimental assistance, additional service fees may apply.

Contact: *[brainaccess@neurotechnology.com](mailto:brainaccess@neurotechnology.com)*.

# Disposal & Compliance

- Do not dispose of with household waste.
- Return to an authorized collection point according to **EU Directive 2012/19/EU (WEEE)**.
- Complies with EU directives **RED 2014/53/EU** and **RoHS 2011/65/EU**.



# Company Information

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**BrainAccess MIDI kit** is intended  
for **research** and **educational** purposes only.  
It is **not** a medical device.

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