

BRAINBIT HEADBAND

EEG Hardware with SDK



BrainBit Headband is a smart EEG device which monitors brain activity and gathers data that can be converted and used without professional help in reading. The headband has 4 dry EEG electrodes located at T3, T4, O1, O2 according to the international 10-20 electrodes placement scheme.

Multipurpose

The device can be used both for personal use, as well as B2B integrations, neurofeedback, research, digital art, meditation, and custom product development.

SDK

BrainBit provides a Software Development Kit SDK for developers to create applications compatible with the device.

BrainBit SDK is a set of libraries for different operating systems and platforms providing a full set of tools needed for configuring and receiving data from BrainBit devices.



Technical characteristics

Number of channels	4	Time of continuous work	at least 12 hours
Sampling rate	250 Hz	Measured voltage range	$\pm 0,4$ V
Communication interface	Bluetooth LE	Battery charge current	100 mA \pm 10%
Registered signals	EEG	Battery charge time	up to 4 hours



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