TRAINING

EEGSim™ is an innovative browser-based simulator designed to provide comprehensive training in electroencephalography (EEG). This cutting-edge tool allows users to master the interpretation of EEG signals through an interactive dual-interface system, catering to both trainees and instructors.

With EEGSim™, trainees can immerse themselves in a realistic learning environment, as the software generates model-driven EEG curves, ensuring that the signals are not mere visualizations of real tracks but instead are rooted in robust mathematical models. This distinction allows learners to confront various EEG patterns and anomalies with greater fidelity, enhancing their ability to recognize and understand cerebral activities and states of stimulation.

The intuitive trainee interface displays real-time EEG waveforms, highlighting key components such as frequency bands, amplitude variations, and artifact detection. Trainees can manipulate parameters and simulate various cerebral stimulation scenarios, facilitating hands-on practice in diagnosing and responding to different neurological conditions.

FEATURES

EEGSim™ offers specific training applications for critical areas including epilepsy, narcolepsy, trauma, neurodegenerative disorders, psychiatric and inflammatory diseases, and brain infections. By incorporating these key conditions, the software enables advanced training for all pathologies that require an analysis of the electrical activity of the brain, preparing learners for a variety of clinical challenges.

For instructors, EEGSim™ provides a robust teaching platform that enables extensive interaction with the underlying mathematical model. Instructors can adjust the amplitude of the α, β, γ, δ, and θ waves to create specific scenarios, as well as generate sharp wave or spike wave anomalies. This high level of interactivity allows educators to simulate a myriad of clinical presentations, fostering an engaging and informative educational experience.

EEGSim™ empowers educators and learners alike by providing an interactive platform to explore the complexities of EEG interpretation and cerebral dynamics.

SPECIFICATION

EEGSim™, Electroencephalogram Simulator, includes:
EEGSim™ software
Lifetime license key
User manual sent by e-mail
Installation support and remote training
Lifetime free software updates and upgrades

Minimum System Requirements for the PC:
Display: 15' – Display Resolution: 1024 x 768
CPU: Intel Core i-5
RAM: 8 GB
Operating system: Windows 10 Pro (64 bit)/MacOS 10.14
Language: English
Hard Disk: 128 GB

Mobility
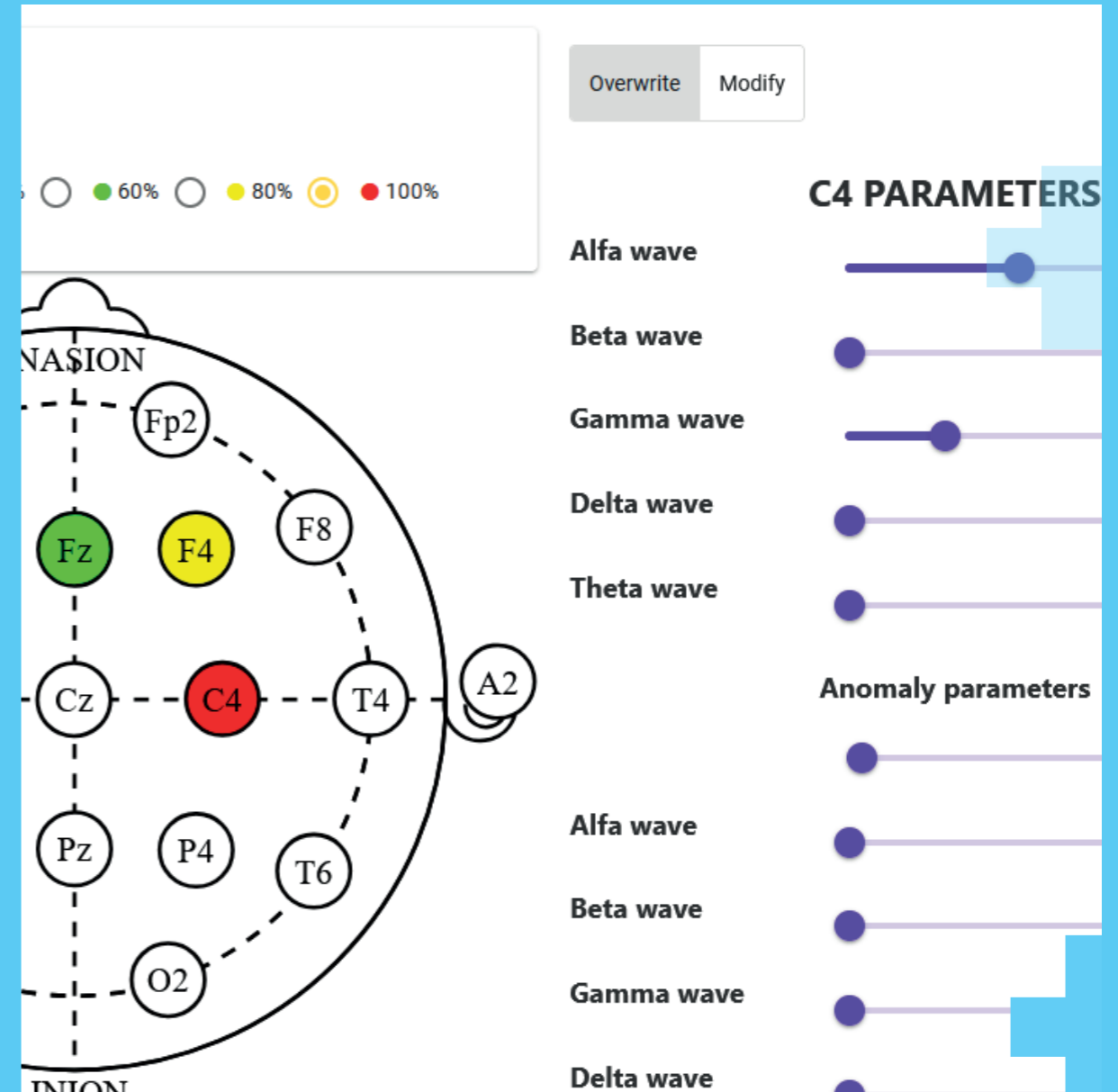View the instructor interface on any device with an internet browser.

User-Friendly Interface
Simple, fast and effective user interaction with the simulator

Accurate
Learn. Practice. Improve.

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