

SOTERIX MEDICAL 1X1 DEVICE INNOVATIONS

Each Soterix Medical 1X1 feature was developed by our team of biomedical engineers in close consultation with leading clinical centers. Designed for simple set-up, provide intelligent warning of a fault condition, and allow for adjusting for patient comfort, these features facilitate reliable and tolerated tDCS. The Soterix Medical SMARTscan™ feature is central in all tDCS devices to allow reliable set-up and monitoring. The RELAX™, TICKLE™, PAUSE™, SMARTSCAN™, SMARTscan PLUS™, and TRUE CURRENT™ innovations were developed for the 1X1 line of tDCS devices.



1X1 tDCS Industry Standard

The 1X1 tDCS device packages the most advanced stimulation technology in an intuitive user interface.

SIMPLE AND SMART

The 1X1 tDCS device is simple to program and stimulation status is always apparent.

DURATION

Current duration up to 40 min of continuous stimulation. Duration can be adjusted on each session using a simple dial.

INTENSITY

Easy adjustment of stimulation intensity from 0.1 mA to 2 mA. Applies a fixed ramp slope current output.



1X1 tES Industry Standard

The 1X1 tES device is the ultimate research package for stimulation.

FREQUENCY

tACS, tPCS, tRNS, tODCS waves at 0.5 Hz resolution in addition to tDCS.

DURATION

Current duration up to 40 min of stimulation. Duration can be adjusted on each session using a simple dial.

INTENSITY

Easy adjustment of stimulation intensity from 0.1 mA to 2mA. Applies a fixed ramp slope current output.



1X1 LTE Limited Total Energy

The 1X1 Limited Total Energy is designed for stimulation on susceptible subjects.

LIMITED TOTAL ENERGY

LTE limits the voltage and power required for tDCS through adaptive ramp-up stimulation and intelligent energy management.

DURATION

Up to 20 min of continuous stimulation. Ideal for susceptible subjects.

INTENSITY

Intelligent energy management for up to 1.5 mA and varies ramp intensity to limit power delivery.



1X1 CT Clinical Trials

The Clinical Trials stimulator is the most advanced and customizable system for true double-blind trials.

DOUBLE BLIND

Customizable stimulation for true clinician and patient blinded studies for unbiased results.

SMARTscan PLUS and PAUSE

Continuous indication of quality without compromising blind. Automatic ramp-down if contact quality is atypical for an extended period of time.

CUSTOM MADE

Custom duration, intensity and condition settings.



1X1 mini-CT Remote Supervision

The mini CT captures all the features of the 1X1 CT device in a deployable platform.

REMOTE ADMINISTRATION

Code control of session. Customizable stimulation for true clinician and patient blinded studies. Stimulation history stored and analyzed by medical personnel for compliance.

SMARTscan PLUS and PAUSE

Continuous indication of quality without compromising blind. Automatic ramp-down if contact quality is atypical for an extended period of time.

CUSTOM MADE

Custom duration, intensity and condition settings.

DEVICE FEATURES For 1X1 Devices

SMARTscan™
Continuous visual indication of electrode quality

TRUE CURRENT™
Clearly indicates the actual current supplied

TICKLE™
Supply a weak current prior to tDCS to condition the skin

RELAX™
Transiently decrease the current

PAUSE™
User-initiated as needed. Automatic ramp-down if contact quality atypical for an extended time