Wireless, Mobile Dry and Wet EEG Systems For Real-World Neuroimaging

January 2021 Product Guide
Helping Researchers Get Fast, Accurate EEG Results

CGX enjoys the reputation for designing the most accurate data-rich dry EEG systems for researchers and practitioners.

We’ve earned this reputation through engineering prowess and best-in-class technical assistance.

Our team of engineers focuses on dry-EEG technology, bringing the benefits of no-prep, accurate results to neurophysiological researchers.

Highest Wireless Data Quality

We design noise reduction into our hardware, with active electrodes, active shielding, and extremely low-noise electronics.

Unrestricted Data Access

We provide raw, unfiltered data in several formats:

- .EEG / .EDF / .BDF / .CSV

Continuous Real-Time Impedance Check

On-board and in software. Near-instantaneous impedance checking assures highest data quality.

Unacceptable

Acceptable

Wireless Triggering

Our patented wireless triggers broadcast time markers with millisecond precision, resolving issues of latency and jitter.

Portability And Ease-Of-Use

Most CGX headsets can be put on by a novice, or the user themselves. And once on, the user can move about freely.

Meet The CGX Management Team

Mike Chi, Ph.D.

Mike Chi founded the company in 2010. He holds a PhD in electrical engineering from UCSD.

Ira Friedman

Ira Friedman joined as president of CGX in 2019. He holds an MBA from Harvard Business School.

Spencer Linton

Spencer oversees engineering and production. He holds an EE degree from UCSD.

Started In 2008 In San Diego As Cognionics

We’re a UCSD spin-off, funded through grants from NASA, NIH, Navy, Air Force Research Laboratory, Army Research Laboratory, DARPA, TATRC, and other institutions.
Lightweight, comfortable design is rated for 60-minute sessions.

On-board real-time impedance checking for confident set-up.

Advanced mechanical design accommodates heads from 52 to 62cm. See Head Size Accommodation on following pages for additional fitting information.

8 hours of battery life from rechargeable AA batteries.

Two variable ExG channels can be used for additional EEG locations, EOG, EMG, or ECG.

Use with our Wireless StimTrigger for ERP sessions. Trigger indicator light built into handle.

Quick Series Key Features.

We redesigned the Quick Series headsets for 2021.

The most advanced dry headsets have undergone a complete re-engineering. With an advanced mechanical design, ground-breaking materials, and an eye to comfort and ease-of-use.
Quick Series Dry Headsets

Technical Overview

Wireless Amplifier
- Sampling rate: 500 samples per second.
- Bandwidth: 0-131 Hz with true DC coupling.
- 3-axis accelerometer measures head motion.
- Wireless Range: 10 meters.
- Noise: <1.0 μV RMS from 1-50 Hz, shorted inputs.

Sensors
- Active electrodes and active shielding for highest signal quality.
- Choose Drypad or Flex sensors at any position.
- Sensor life (all sensors): 200 uses.

Data Stream
- Bluetooth Low Energy.
- Full access to raw data via real-time streaming API.
- Continuous on-board and on-screen impedance check with real-time monitoring of all channels simultaneous with EEG.
- Export data to EEG, BDF, EDF, or .CSV.
- Open API allows you to build your own applications.

Power
- Two AA batteries: 8 hours.

Cleaning
- Hand wipe between sessions.

General
- Weight: 596g in use
- Fits heads sized 52-62 cm
- Dimensions: 20 x 18 x 19 cm

Included In System
- Quick-20r Headset plus 2 ExG Channels Bluetooth Low Energy Dongle
- 20 Drypad Sensors
- 40 Flex Sensors
- 10 Drypad Ear Sensors
- 30 Skintact Sensors
- A1 Earclip
- A2 Earclip
- 3 Active Lead Wires
- 2 Passive Lead Wires
- 5 Alcohol Wipes
- 4 Rechargeable AA Batteries
- Battery Charger
- Carrying Case
- 3 Year Warranty

Headmap

Standard 10-20 Montage

Head Size Accommodation

Percentage Of Subjects Per Age Range

<table>
<thead>
<tr>
<th>Age</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-12</td>
<td>75%</td>
<td>50%</td>
</tr>
<tr>
<td>13-16</td>
<td>95%</td>
<td>90%</td>
</tr>
<tr>
<td>17-20</td>
<td>95%</td>
<td>95%</td>
</tr>
<tr>
<td>21+</td>
<td>97%</td>
<td>99%</td>
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Fully redesigned wireless headset with active impedance check.
The CGX Quick Series is well regarded for generating research-level data from our active dry electrodes. The all-new Quick-20r v2 features a fully redesigned electrical, mechanical, and structural system for faster set-up, extended wear time, enhanced reliability, and immunity from artifacts.

Quick-20r v2
- EEG amplifier and wireless electronics integrated into headset.
- Active impedance check built into each sensor position for quick set-up and monitoring.
- Flexible composite arms create excellent contact between the sensors and head.
- Fits adolescents through adults.
- Includes 2 variable ExG leads for user-defined EEG, ECG, EMG, and EOG.
- 8 hours of uninterrupted data gathering with two AA batteries.
- Standard 10-20 montage.
- Compatible with BrainVision Recorder.

Fully Mobile, Fully Wireless, 3 Minute Setup
- Place headset on subject.
- Check impedance on each pod.
- Adjust sensors — if required — for comfort and contact.
- Begin wireless data acquisition.

New Quick-20r v2
Quick Series Dry Headsets

Technical Overview

Wireless Amplifier
- Sampling rate: 500 samples per second.
- Bandwidth: 0-131 Hz with true DC coupling.
- 3-axis accelerometer measures head motion.
- Wireless Range: 10 meters.
- Noise: <1.0 μV RMS from 1-50 Hz, shorted inputs.

Sensors
- Active electrodes and active shielding for highest signal quality.
- Choose Drypad or Flex sensors at any position.
- Sensor life (all sensors): 200 uses.

Data Stream
- Bluetooth Low Energy.
- Full access to raw data via real-time streaming API.
- Continuous on-board and on-screen impedance check with real-time monitoring of all channels simultaneous with EEG.
- Export data to .EEG, .BDF, .EDF, or .CSV.
- Compatible with BrainVision Recorder, NeuroPype, Lab Streaming Layer, EEGLAB, BOLAB, MATLAB, BCIC2000, OpenVIBE, NeuromGuide and more.
- Open API allows you to build your own applications.

Power
- Two AA batteries: 8 hours.

Cleaning
- Hand wipe between sessions.

General
- Weight: 646 in use
- Fits heads sized 52-62 cm
- Dimensions: 20 x 18 x 19 cm

Included In System

- Quick-32r Headset plus 2 ExG Channels
- Bluetooth Low Energy Dongle
- 30 Drypad Sensors
- 60 Flex Sensors
- 10 Drypad Ear Sensors
- 30 Skintact Sensors
- A1 Earclip
- A2 Earclip
- 3 Active Lead Wires
- 2 Passive Lead Wires
- 5 Alcohol Wipes
- 4 Rechargeable AA Batteries
- Battery Charger
- Carrying Case
- 3 Year Warranty

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*The amount of data is in 1224x792, 10% less than head circumference for additional data in 10% less than head circumference.*

Headmap

Standard 10-20 Montage + 10 Additional Channels

Quick Series Dry Headsets

Quick Series headsets are light-weight and comfortable — rated for hour-long sessions.

New Quick-32r

Fully redesigned for demanding EEG experiments.

Designed for researchers requiring the highest signal quality, the Quick-32r is a triumph in dry EEG technology. 30 fixed channels — 10-20 montage + 10 additional on-head channels — plus 2 ExG channels for gathering additional biometric data.

Featuring our new mechanical design for unmatched comfort and ease-of-use. With impedance check built into each sensor pod, set-up time is reduced to less than 8 minutes per subject.

- EEG amplifier and wireless electronics integrated into headset.
- Active impedance check built into each sensor position for quick set-up and monitoring.
- Flexible composite arms create excellent contact between the sensors and head.
- Fits adolescents through adults.
- Includes 2 variable ExG leads for user-defined EEG, ECG, EMG, and EOG.
- 8 hours of uninterrupted data gathering with two AA batteries.
- Use with our Wireless StimTrigger for sophisticated ERP experiments.
- Compatible with BrainVision Recorder.

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- 8 hours of uninterrupted data gathering with two AA batteries.
- Use with our Wireless StimTrigger for sophisticated ERP experiments.
- Compatible with BrainVision Recorder.
Three standard caps included with each system (54, 56, 58 cm). Custom sizes available at no additional charge.

Long lead wires accommodate tall subjects, and full range of motion.

Amplifier and lead wire breakout box attach to a comfortable shoulder harness, keeping weight off the head.

Available in standard 10-10 and 10-5 montages. Custom montages available upon request.

Modular electrodes can be individually swapped and serviced.

Stream wirelessly, or write to microSD card.

**CGX HIGH DENSITY HEADSETS**

**Mobile Series Key Features.**

*Newly designed with advanced sintered electrodes for improved performance.*

These gelled-electrode caps are the highest density fully mobile headsets available, with up to 128 channels of streaming data for advanced full-motion experimentation.
Mobile Series High Density Headsets

Technical Overview

- Sampling rate 500 samples per second.
- Bandwidth 0-131 with true DC coupling.
- Storage through microSD and microSDHC Cards.
- 3-axis accelerometer measures head motion.
- Wireless Range: 10 meters.
- Noise: ≤1.0 μV RMS from 1-50 Hz, shorted inputs.

Sensors
- Active electrodes with sintered Ag/AgCl contacts.

Data Stream
- Bluetooth.
- Full access to raw data via real-time streaming API.

- Export data to .EEG, .BDF, .EDF, or .CSV.
- Open and unrestricted data access compatible with NeuroPype, LabStreamingLayer, EEGLAB, BCILAB, MATLAB, BCI2000, OpenViBE and more.
- Build custom applications in MATLAB, C, C++, C#, Java or Python.

Power
- Lithium-ion: 4 hours wireless, 10 hours with microSD card.

Cleaning
- Detach cap from electronics to wash.

General
- Weight: System: 1000g. Amplifier only: 80g.
- Fits heads sized 54-58 cm, other cap sizes available upon request.

Included In Systems

Mobile-72
- 3 Wet Caps (54, 56, 58 cm)
- 72 Channel Active Electrode Bundle
- 72 Channel Wireless Amplifier Harness
- Bluetooth Dongle
- 2 Syringes plus Electrode Gel
- 2 Rechargeable Lithium-ion Batteries
- Charger
- Carrying Case
- 3 Year Warranty

Mobile-128
- 3 Wet Caps (54, 56, 58 cm)
- 128 Channel Active Electrode Bundle
- 128 Channel Wireless Amplifier Harness
- Bluetooth Dongle
- 2 Syringes plus Electrode Gel
- 2 Lithium-ion Batteries
- Charger
- Carrying Case
- 3 Year Warranty

Mobile-128 | Mobile-72

The only 128-channel wireless and wearable EEG system available.

Designed for the most sophisticated experimenters. A quick-install wet-cap based system with active electrodes in a standard 10-10 (72-Channel) or 10-5 (128-Channel) configuration, all with a detachable harness-worn amplifier for the freedom to conduct demanding experiments.

Mobile Series

72 or 128 Channel Systems
- Individual electrodes can be removed and replaced in the field for simplified service.
- Electronics attach to shoulder harness for increased comfort and flexibility.
- Individual cap sets for high throughput applications. Amplifier detaches from lead wires minimizing cleaning downtime.
- The only high-performance, truly mobile headsets with 10-10 or 10-5 montages.
- Add auxiliary physiological channels with optional AIM Physiological Monitor.

Modular Design
- Use multiple lead wire and cap sets for high throughput applications. Amplifier detaches from lead wires minimizing cleaning downtime.
For Use With 10-20 Montage Wet Caps

This amplifier has 20 channels and is small enough to fit in your hand. Amplifier includes standard DB-25 connector for use with off-the-shelf wet caps.

CAMP Compact Amplifier

For wet systems
- Compact Amplifier streams via Bluetooth low energy.
- Up to 8 hours of battery life.

- DB-25 port for standard wet caps.
- Built for continual usage.
- Perfect for neurofeedback.

Technical Overview

Wireless Amplifier
- Sampling rate 500 samples per second.
- Bandwidth 0-131 with true DC coupling.
- 3-axis accelerometer measures head motion.
- Wireless Range: 10 meters.
- Noise: <1.0 μV RMS from 1-50 Hz, shorted inputs.

Data Stream
- Bluetooth Low Energy.
- Full access to raw data via real-time streaming API.
- Continuous impedance check with real-time monitoring of all channels simultaneous with EEG.

- Export data to EEG, BDF, HDF, or .CSV.

Power
- Lithium-ion: 8 hour.

Wet Cap Requirements
- The CAMP system does not include an EEG cap. We recommend the E1 Series with ear inputs from Electro-Cap.
- International (Electro-Cap.com).

General
- Weight: 82 grams
- Dimensions: 9 x 8 x 3 cm

Included In System

CAMP
- CAMP Compact Amplifier
- Bluetooth Dongle
- USB Charging Cable
- Wall Charger
- Carrying Case
- 3 Year Warranty

Pin-Out Diagram

Cap must follow this DB-25 Pin-out
Dev Kit

Versatile Development Kit
The Dev Kit includes everything you need to undertake EEG experiments and custom hardware development: an 8-channel amplifier, lead wires, CGX dry electrodes, and a comfortable headband.

- Soft, washable fabric band with reinforced polymers for a snug, artifact-resistant fit.
- Eight hours of battery life.
- Standalone amplifier attaches to headband, streams via Bluetooth low energy.

Use With
AurisDK In-Ear EEG sensor

Auris Earbuds
Unique in-ear EEG for researchers. Comfortable and lightweight with excellent signal quality. Plugs into a single channel on the Dev Kit.

AurisDK Dev Kit Accessory
- Stays in place during motion.
- Kit includes 100 disposable HydroFlex Earbud Sensors.
- Replacement sensors available.

Technical Overview
- Continuous impedance check with real-time monitoring of all channels simultaneous with EEG.
- Export data to EEG, BDF, EDF, or .CSV.
- Compatible with NeuroPype, LabStreamingLayer, EEGLAB, BOLAB, MATLAB, BCILAB, and more.

Power
- Lithium-ion: 8 hour wireless.
- Weight: 80 grams
- Dimensions: 90 x 80 x 25 mm

Included In System
- Dev Kit Amplifier
- Bluetooth Low Energy Dongle
- Passive Ground Lead Wire
- 9 Active Lead Wires
- 10 Drypad Sensors
- 10 Flex Sensors
- 10 HydroFlex Sensors
- 30 Skintact Sensors
- Headband
- USB Charging Cable
- Wall Charger
- Carrying Case
- 3 Year Warranty

AurisDK
- 2 Auris Lead Wires (right)
- 2 Auris Lead Wires (left)
- 100 Disposable HydroFlex Earbud Sensors

Data Stream
- Bluetooth Low Energy.
- Full access to raw data via real-time streaming API.

Wireless Amplifier
- Sampling rate 500 samples per second.
- Bandwidth 0-131 Hz with true DC coupling.
- 3-axis accelerometer measures head motion.
- Wireless Range: 10 meters.
- Noise: <1.0 μV RMS from 1-50 Hz, shorted inputs.

General
- Weight: 80 grams
- Dimensions: 90 x 80 x 25 mm

AurisDK

Dev Kit Accessory
- Stays in place during motion.
- Kit includes 100 disposable HydroFlex Earbud Sensors.
- Replacement sensors available.

Use included Drypad, Flex, or Skintact sensors. Place under headband for a snug fit.

Place Skintact sensors directly on skin.
AIM Physiological Monitor

Add advanced physiological monitoring to your EEG recordings. Everything you need to measure physiological response. The AIM Physiological Monitor is a compact, sophisticated unit that adds heart rate, temperature, respiration, GSR, PPG/HRV/SpO2 and more to any EEG system.

**AIM Physiological Monitor**
- Physiological accessory
- Stream wirelessly via Bluetooth.
- Bundled with our proprietary physiological sensors.
- Compact design clips onto belt, or sits on surface.
- 5 hours of battery life.

**Included Sensors**
- PPG/HRV/SpO2
- GSR and ExG
- Temperature
- Respiration

**Typical Testing Set-Ups**
- ECG + EMG + Respiration Test
  - Measure physiological response in a light ambulatory setting, capturing muscle EMG from the leg.
- Cardiac Output Test
  - Measure common cardiac functions for monitoring heart health including blood oxygen saturation, heart rate variability, and respiratory sinus arrhythmia.
- Emotional Arousal/Stress Test
  - Measure emotional arousal in response to presented stimulus. Capture changes in respiration, heart rate, and galvanic skin response.

**Technical Overview**
- **Wireless Amplifier**
  - Sampling rate: 500 samples per second.
  - Bandwidth: 0-131 Hz with true DC coupling.
  - Wireless Range: 10 meters.
  - Noise: <1.0 μV RMS from 1-50 Hz, shorted inputs.
- **Sensors**
  - 4-Channel ExG.
  - Biocompatibility-based respiration sensor.
  - PPG/HRV/SpO2.
  - 12-bit solid state temperature.
  - GSR (EDA).
- **Data Stream**
  - Export saved data in EEG or CSV (text).
  - LabStreaming real-time output.
  - Stream data using the simple API in C, C++, C#, Java, MATLAB or Python.
  - Open API allows you to build your own applications.
- **General**
  - Rechargeable Lithium-Ion Battery: 5 hour runtime.
  - Weight: 190g
  - Dimensions: 14 x 8 x 3 cm

**Included In System**
- AIM Wireless Amplifier
- Bluetooth Dongle
- 11 Passive Lead Wires
- PPG/HRV/SpO2 Sensor
- Temperature Sensor
- Respiration Sensor Set
- 30 Skintact ECG Electrodes
- USB Charging Cable
- Wall Charger
- Carrying Case
- 3 Year Warranty
Co-designed by CGX and Cedrus for sophisticated research projects. Mark events precisely with this all-in-one wireless trigger. Connect to eye trackers and other recorders without the need for software or algorithmic timing compensation.

**Wireless StimTrigger**
- Accepts light sensors, audio sensors, RB-x40, microphone, and USB.
- m-pod signal mapping assigns any event marker to any output line.
- Wireless broadcasting sends information to a limitless number of in-range receiving systems for multi-subject group research.
- Compatible with virtually all popular triggering and stimulus presentation packages including E-Prime, Presentation, and more.

**Technical Overview**

**Inputs**
- Four (4) light sensors (4th light sensor can be used for microphone).
- Microphone for onset of vocal response.
- Audio in/out pass-through for auditory stimulus.
- Cedrus RB-x40 response pad.
- USB input for event codes.
- External TTL input.

**Built-in Outputs**
- Direct TTL output.
- Audio in/out pass-through.
- Time-stamped output via USB.
- Configurable output.
- Compatible with over a dozen popular recording devices via Cedrus m-pods with support for up to 3 simultaneous m-pods.

**Power**
- Input: 100-240V AC, 50-60Hz, 1.0-0.5A
- Output: 9V DC, 2.0A

**General**
- Weight: 525g
- Dimensions: 17.5 x 13.5 x 6cm

**Example Connection Diagram**

**Included In System**
- Wireless StimTrigger
- Two Light Sensors with Replacement Adhesives
- Two 3.5mm Audio Cables
- mini-USB Cable
- Power Adapter
- Carrying Case
- Manual
- 1 Year Warranty

**Works with all CGX systems.**
Challenge 1: High Impedance
Dry systems use no gel to make contact through hair, nor adhesive to affix electrode. Removing gel increases impedances.

Challenge 2: Noise
Noise is caused by movement, electrical interference, and electrochemical interference.

The Solution
A successful dry EEG system is the sum of its parts: specific sensor design coupled with a flexible, yet comfortable mechanical solution, driven by a purpose-driven electrical system.

All three of these components — the sensors, headset mechanics, and amplifier — are designed as a system for best performance, as explained below.

Superior Sensor Design
We design our patented sensors in-house. Headsets use two interchangeable designs: DryPad sensors for direct skin contact, and Flex sensors to part hair, making contact with the head.

Sensors are coated in our bio-compatible conductive material, and are rated for 200 uses each.
TECHNOLOGY OVERVIEW

Exacting Mechanical And Electrical Design
Having the sensor make good contact with the scalp is critical for low impedance measurements. That’s why we design the sensors, pods, and legs concurrently.

Quick System Leg And Pod Design

Spring-loaded sensor housing keeps pressure constant against the skin.

Shielded interior reduces extraneous noise.

Ground-breaking multi-jet fusion legs are flexible while resistant to natural head motion.

6 degrees of rotation for complete and comfortable conformance to the skin.

Active electrode has an amplifier under the housing.

A Truly Mobile Experience
The benefits of CGX Dry are clear when experimentation requires untethered data gathering.

Our "systems approach" to design gives you an EEG headset tolerant of real-world environments.

On-Board Impedance Checking
Quick Series headsets have on-board impedance checking for confident set-up and subject monitoring.

LED light on pod lights green when measured impedance is below 2,500 kΩ, turns red when impedance is above 2,500 kΩ.

Operator And Subject Experience
CGX Dry EEG Headsets provide a superior experience for both operator and subject.

<table>
<thead>
<tr>
<th></th>
<th>CGX Dry Headsets</th>
<th>Traditional Wet Caps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prep And Clean</td>
<td>10 Minutes</td>
<td>Several Hours</td>
</tr>
<tr>
<td></td>
<td>No prep, 1-8 min. sensor set-up, 2-5 min. cleaning.</td>
<td>10 min. prep, 10-40 min. sensor set-up, 20 min. cleaning, several hours drying time per cap.</td>
</tr>
<tr>
<td>Comfort</td>
<td>High</td>
<td>Low</td>
</tr>
<tr>
<td></td>
<td>Comfortable with 60 min. wear time.</td>
<td>Painful sensor placement, gel is messy and uncomfortable.</td>
</tr>
<tr>
<td>Subject Experience</td>
<td>Good</td>
<td>Fair</td>
</tr>
<tr>
<td></td>
<td>When the subject’s comfort is important</td>
<td>When subject’s comfort is a low consideration</td>
</tr>
<tr>
<td></td>
<td>High throughput applications</td>
<td>Low throughput investigational projects</td>
</tr>
<tr>
<td></td>
<td>Self-dimming unsupervised applications</td>
<td>Laboratory-only environments</td>
</tr>
<tr>
<td></td>
<td>Laboratory and real-world environments</td>
<td>Highly skilled technicians</td>
</tr>
<tr>
<td></td>
<td>Real-world time constraints</td>
<td>Few or no time constraints</td>
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<tr>
<td></td>
<td></td>
<td>Ultra-high density arrays</td>
</tr>
<tr>
<td>3-Year System Cost</td>
<td>Approx. 15% Higher Than A Wet System</td>
<td>Moderate</td>
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<tr>
<td>Raw EEG Signal Quality</td>
<td>High Quality Alpha, Beta, Gamma, Theta</td>
<td>High Quality Alpha, Beta, Gamma, Theta</td>
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<tr>
<td>Resting Conditions</td>
<td>Moderate Quality Delta</td>
<td>Moderate Quality Delta</td>
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<tr>
<td></td>
<td>Requires scalp abrasion</td>
<td>Requires hydrating sensor tips</td>
</tr>
<tr>
<td>EFP Signal Quality</td>
<td>High</td>
<td>Comparable To Wet</td>
</tr>
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Comparing Dry Systems To Wet

We built a testing unit comparing real-time, concurrent wet and dry performance. These are the results.

Test Unit
A custom-built dual-mode headset concurrently recording EEG from a CGX Dry system and a high-quality traditional gel-based sensor. We measured a single CGX Dry sensor vs. the average of two wet electrodes (minimizing spatial displacement effects).

Protocol
- Test multiple subjects to capture real-world performance while minimizing experimental variability effects.
- Record simultaneous signals from dry and wet electrodes.
- Examine 10 second raw EEG and evoked potential (50 odd trials, 150 normal trials).
- Repeat experiment swapping dry electrode under test with wet for control data.

Oddball Experiment
Normal Tone: 150 Trials
Odd Tone: 50 Trials

Normal Tone

Odd Tone

Correlation Results
Wet/Dry and Wet/Wet results show excellent correlation.

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<tr>
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<th>Wet</th>
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<tr>
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<td>S2</td>
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<td>.98</td>
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<td>S3</td>
<td>.97</td>
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<td>S5</td>
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<tr>
<td>S6</td>
<td>.97</td>
<td>.98</td>
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<tr>
<td>Mean</td>
<td>.95</td>
<td>.98</td>
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EEG/ERP Bandwidth
Warranty

Headsets And Devices
3 year warranty on manufacturing for headsets and devices. 1 year warranty on Wireless StimTrigger. Warranty is void if the device has been opened or tampered with.

Accessories
1 year warranty on manufacturing defects. 90 day warranty on lead wires and lead wire bundles.

Returns
All units returned to CGX for repair and assessment must have an RA number, issued by CGX. CGX will pay outbound shipping costs.

Ship all returns with an RA number to:
CGX
Attn: Service
8445 Camino Santa Fe, #213
San Diego, CA  92121

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