

Resources for Electroencephalography Data Acquisition and Analysis

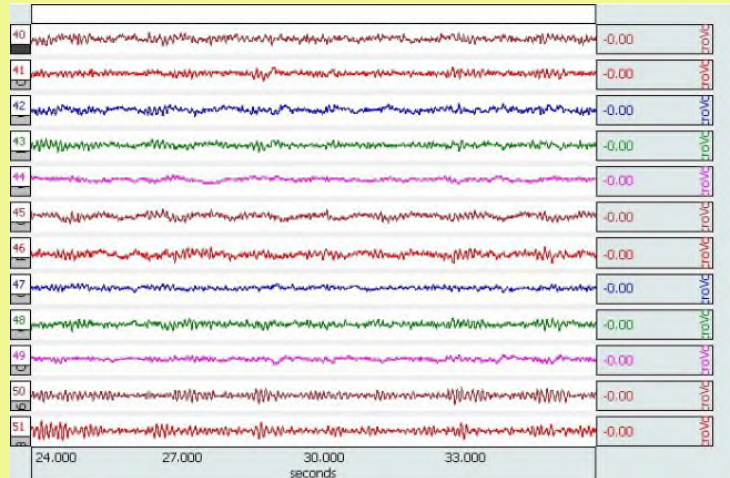
Fully automated routines provide quick, easy, and reproducible results

Key Features

- [Seizure Detection](#)
- [Automated EEG Analysis](#)
- [Wireless EEG Cognitive State Analysis](#)
- [EEG Remove EOG Noise](#)
- [Stimulus Presentation Event Marking](#)

On Demand Webinars—Watch Now

- [EEG for Psychology Research](#)
- [EEG for Psychology Research Part II](#)
- [EEG for Psychology Research Part III](#)



System Level Solutions

Complete Hardware Bundles Available [Online](#)



[EEG AMP & CAP](#) EEG amp with Electrode CAP system

[MP36R System](#) 4 Channel system uses Reusable Electrodes

[MP36R System](#) 4 Channel system, shielded and unshielded TP Electrode

[MP160 System](#) 6 Channel system with Touch proof Cap system



[B-Alert X10](#) Wireless EEG and ECG plus Cognitive State Metrics & AcqKnowledge

[Mobita](#) Mobita system for up to 32-CH Wireless Biopotentials plus AcqKnowledge

[MP160 System](#) System with AcqKnowledge plus BioNomadix wireless EEG with reusable 8 mm snap electrodes

[BioNomadix Logger](#) BioNomadix Logger and one transmitter for wireless EEG setup



[MP160 System](#) with AcqKnowledge plus EEG MRI amp with disposable radio-translucent electrodes

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Video Tutorials for Analysis

- [EEG- B-Alert X10 System Overview](#)
- [EEG- B-Alert System and Cognitive State Analysis](#)
- [EEG- BioNomadix Dual Signal Physiology Amplifiers](#)
- [AcqKnowledge EEG Analysis: Automated Filtering](#)
- [AcqKnowledge EEG Analysis: Artifact Removal](#)
- [AcqKnowledge EEG Frequency Analysis](#)
- [AcqKnowledge EEG Analysis: Seizure Detection](#)

Knowledge Base

- [Bipolar EEG](#)
- [EEG Frequency Bands](#)
- [EEG Channels](#)
- [Unipolar EEG](#)



Application Notes

- 105—[Auditory Brainstem Response \(ABR\) Testing](#)
- 121—[Waveform Data Reduction](#)
- 122—[Power Spectrum Analysis](#)
- 204—[AcqKnowledge Peak Detector Operation](#)
- 211—[EEG Analysis with AcqKnowledge](#)

Hardware Options for High-Quality EEG

Request more information online



WIRED



WIRELESS



MRI

[EEG100C](#) Advanced Amplifier for multi-parameter or multi-subject studies

[MP36RWSW](#) 4-channel data acquisition workstation

[MP160WSW](#) 16-channel data acquisition & analysis system

[CAP100C](#) Records multiple EEG channels

[MEC110C](#) Module extension cables

[EL658](#) Non-polarizable, reusable snap electrodes

[EL258S](#) Silver-silver chloride reusable electrodes

[EL-CHECK](#) measures electrode contact impedance

[B-Alert110CS-W](#) Complete acquisition and analysis system

[MOBITA-W-12+20](#) Wearable, Wireless, Rugged Physiological Monitoring and Logging

[MP160WSW](#) 16-channel data acquisition & analysis system

[BN-EEG2](#) Amplifier for wearable physiology

[BN-EL30-LEAD3](#) Lead sets for BioNomadix recording

[BN-LOGGER-1](#) Logger supports complex experimental design

[EEG100C-MRI](#) 16 amplifier modules for multi-parameter or multi-subject studies

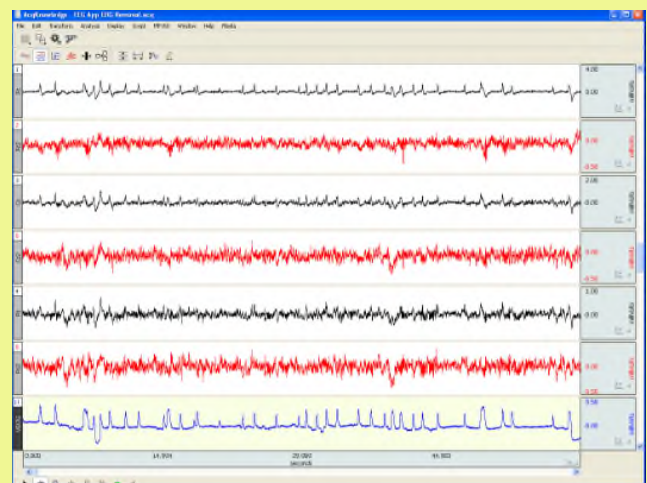
[MECMRI-BIOP](#) MRI Filtered Cable Sets

[MP160WSW](#) 16-channel data acquisition & analysis system

[LEAD108B](#) Short leads for use in environments with radio translucent snap electrodes

Automated Analysis with AcqKnowledge

- [Amplitude Histogram](#)
- [Automated EEG Analysis](#)
- [Cross- and Auto-Correlation](#)
- [Dividing EEG into Specific Epochs](#)
- [EEG Frequency Bands](#)
- [EEG Remove EOG Noise](#)
- [Event-Related Potentials \(ERP\) Analysis](#)
- [Evoked Responses](#)
- [Field Potential Measurements](#)



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Research Citations

Selected citations below—[search online](#) for more than 3,870 BIOPAC Citations for EEG

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