

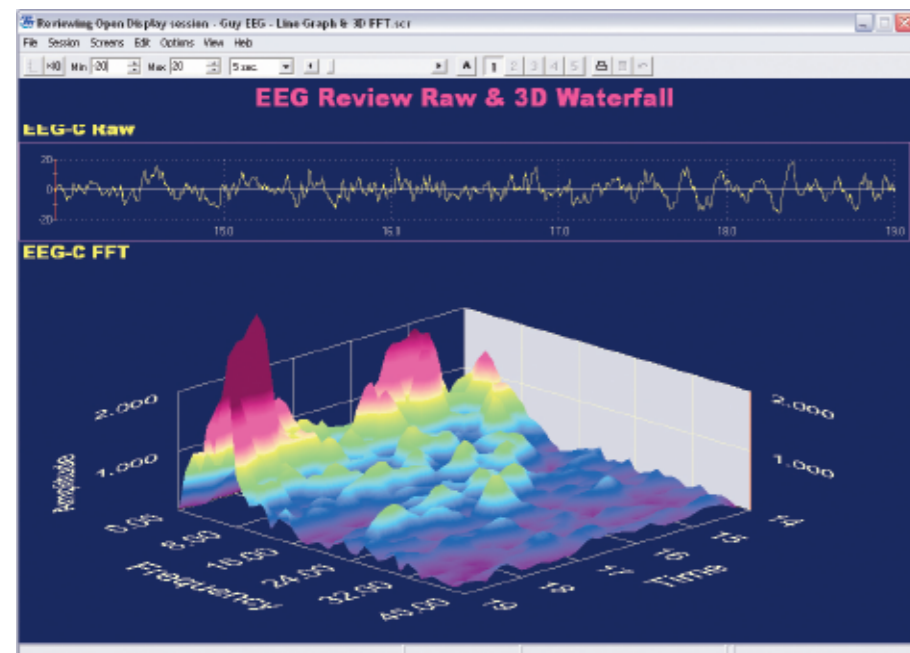


Whether you are a clinician looking for a versatile biofeedback tool or a researcher who needs a powerful data-acquisition system, the BioGraph Infiti™ platform is designed to offer you the most complete and adaptable software solution.

One of our top design goals was to make BioGraph Infiti™ the most powerful clinical tool possible. The program's ability to record accurate data, to track a client's learning curve both within and across recording sessions and to generate reliable reports are among its top features.

### Biofeedback and Data Acquisition

**STATE-OF-THE-ART MULTIMEDIA BIOFEEDBACK:** With its audiovisual capabilities and exciting animations to deliver physiological feedback in many creative ways, the Infiti Software ensures that you have a multitude of options to choose from when trying to reach a diverse client population.



EEG linegraph and 3D FFT allow you to analyze a specific temporal event.

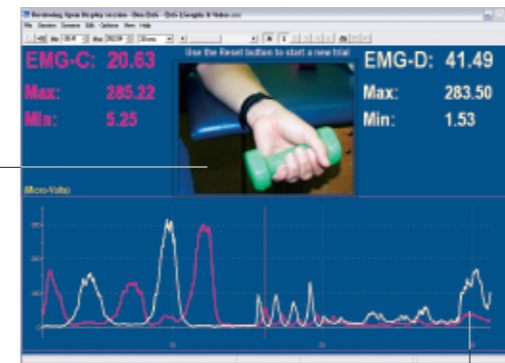
Some Application Suites include display screens designed for viewing on multiple monitors. This powerful shaping tool allows clinicians to modify the feedback conditions on the fly and teach clients to rapidly adapt to new conditions.

### TIMESAIVING FEATURES ALLOW FLEXIBLE TRAINING ROUTINES:

The BioGraph Infiti™ software allows you to load up to 5 feedback screens during a session and switch between them, on the fly. This, and other timesaving features, lets you rapidly adapt the training task to your client's needs. It provides an increasingly challenging and diversified feedback environment, without having to stop, load a new screen and restart the session.

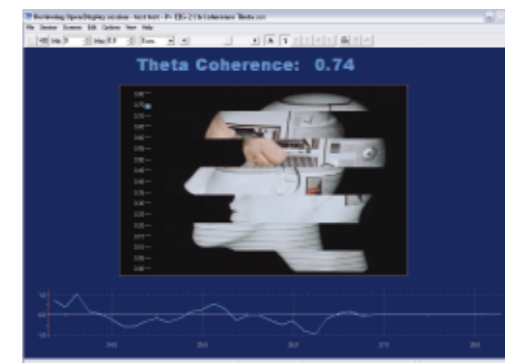
### SCRIPTED SESSIONS FACILITATE STANDARDIZED ASSESSMENTS AND FOLLOW-UPS:

Time and event-based scripts let you run automatic sessions that guide clients through pre-defined sequences of activities and then generate activity-specific statistics. These powerful scripts help you standardize assessment and follow-up sessions for optimal clinical effectiveness.



View the video images, in real-time, with the recorded physiological signals.

Review the data and slide the time-line, back and forth, along the physiological signal to see the corresponding video image(s).



EEG coherence biofeedback



Feedback capabilities include playing AVI movies, MIDI songs, MIDI tones, CD Music, MP3 and Wave files. Conduct the orchestra by individually controlling multiple instruments in a MIDI song.



Exciting games and animations

**SYNCHRONIZE PSYCHOPHYSIOLOGY WITH VIDEO:** Extend your toolbox for client assessment and training. BioGraph Infiti™ software allows you to record your client's actions with a Web camera and synchronize the video with the physiological signals.

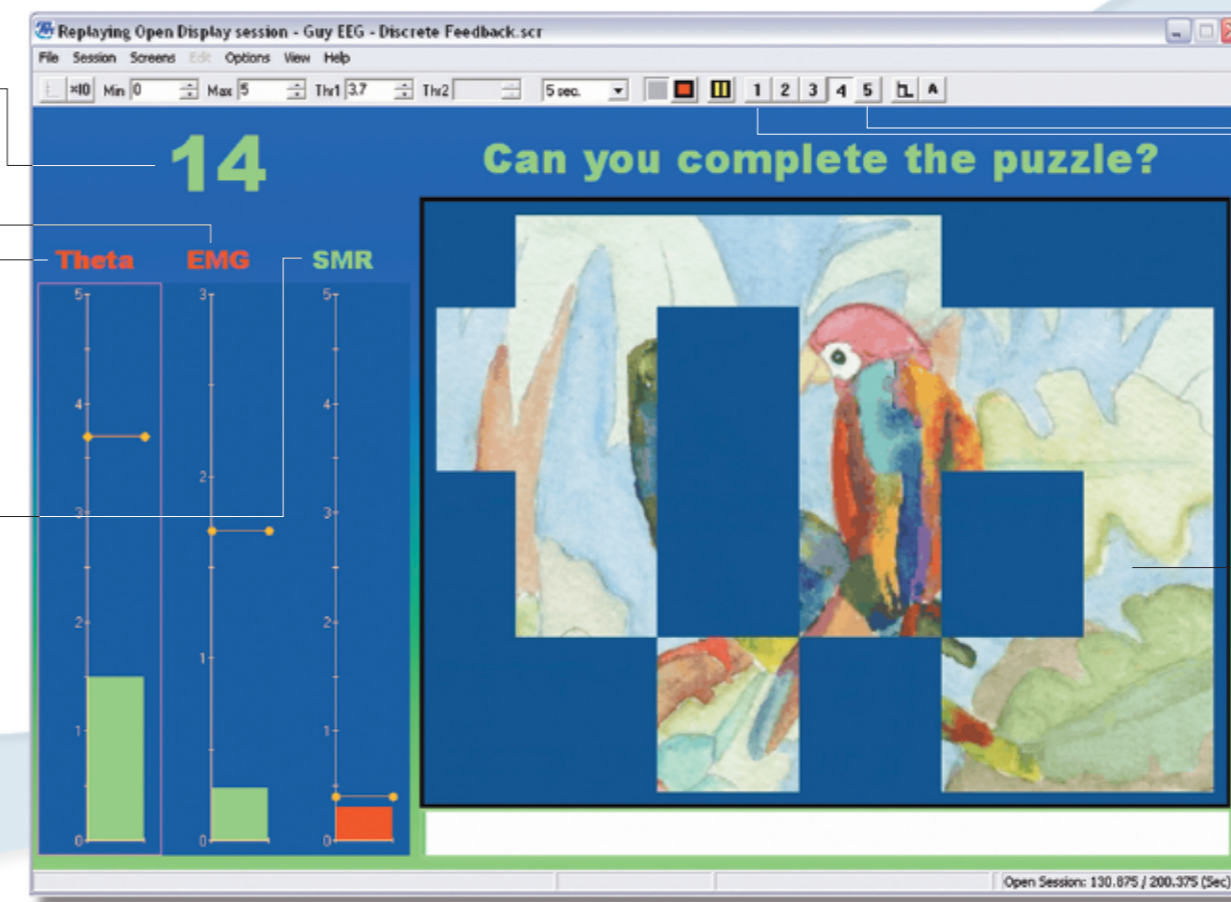
### Extensive Database Options

- **CLIENT DATABASE** allows you to store as much or as little client information as required.
- **CLIENT CONFIDENTIALITY** function gives you the option to hide all sensitive client information from database screens, printed reports and exported data.
- **INACTIVITY FLAG** can warn you and your assistants if a client has not been in for a visit for too long, to help your client management work.
- **ARCHIVE, RESTORE, EXPORT AND IMPORT** client functions allow you to manage the client database and share clients between clinics without deleting important client data.
- **DATA EXPORTING FUNCTIONS** extend your ability to analyze client physiology by making it available to other data-processing applications.

Event-counters and discrete feedback options give reinforcing rewards when all conditions are met and held for a given period of time.

Selective inhibiting allows multiple animations to be controlled independently.

Instantaneous feedback gives immediate indication of success.



Load up to five screens and switch between them instantly for optimal training and reviewing capabilities.

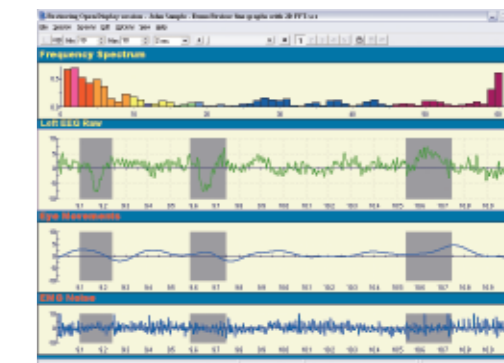
A discreet reward puzzle.

### Session Reviewing and Reporting

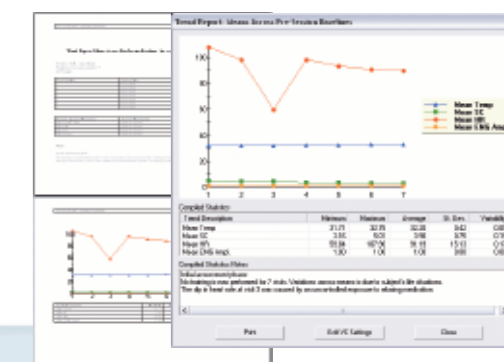
**POWERFUL DATA-PROCESSING FEATURES:** With its robust signal acquisition capabilities, accurate artifact rejection functions and flexible statistical analysis engine, the BioGraph Infiti™ software allows you to easily normalize recorded data and generate reliable data.

**SPECIALIZED SESSION REPORTS:** Scripted sessions generate sophisticated statistical reports that break down the session's data into meaningful segments and give you appropriate statistics for each segment. This ensures that you get only the most clinically significant information without having to sort through irrelevant data.

**TREND REPORTING ON CLIENT PROGRESS:** BioGraph Infiti's powerful trend report capabilities allow you to follow a client's progress from visit to visit, providing you with guidance regarding the next step to take. Trend reporting lets you easily demonstrate a client's learning curve, both during a given script session and across script sessions, to enhance case management and to facilitate reimbursement.



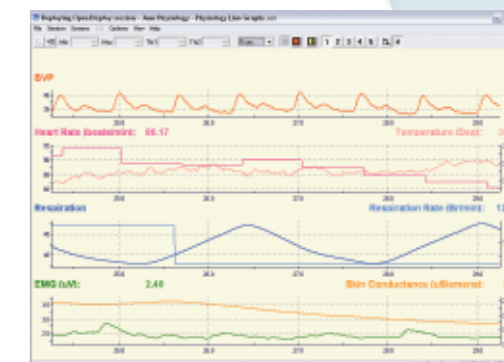
Manual or automatic artifact rejection allows you to rapidly clean session data for optimal statistical validity.



A powerful trend report generator gives you direct control over what gets printed. Demonstrating a learning curve has never been so easy.

The ability to re-compute all previously saved sessions with new analysis criteria allows you to perform "what if" evaluations of recorded sessions.

Session and Trend reports are generated as word processing documents. You can edit and save the reports before they are printed.



Physiological biofeedback screens.

# THE INFINITI

Thought Technology's BioGraph Infiti™ software platform has been

carefully designed to meet your current and future needs for biofeedback and

psychophysiology - with maximum flexibility and ease of use. BioGraph

Infiti's modular design offers a selection of specialized Application Suites

as well as powerful Application Developer Tools, to satisfy beginner and

# SOFTWARE

expert users alike. These options allow you to install additional features, as

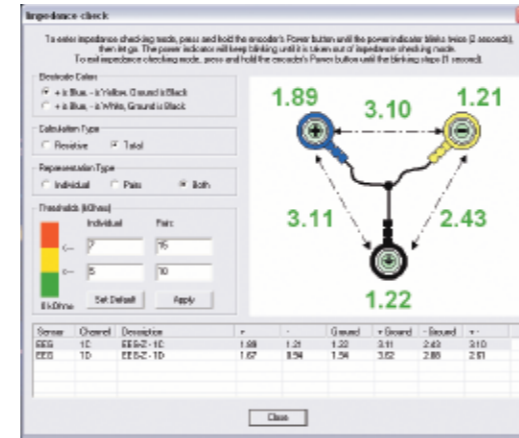
you need them. Not only will the software adapt itself to your needs, it will

also grow with them as new modules become available. New technology like

USB, Web Cam Video, Compact Flash, Automatic Impedance Checking and

Sensor Recognition are integrated seamlessly.

# PLATFORM



Integrated impedance checking.

#### Infiti System hardware features:

- For enhanced quality of recording, the system provides integrated impedance checking, in one easy step with the EEG-Z sensors.
- BioGraph Infiti's ability to process our new Infiti encoders' high sampling rates enables you to record raw signals at 2048 samples per second. This sampling power allows more precise signal processing capabilities for EEG, EMG and EKG signals.
- The automatic sensor recognition feature ensures proper hardware setup. Each time you record a session. Beginners will also appreciate this new level of user-friendliness.
- The Infiti system offers two ways to record low-noise physiological data: You can use the feather-light fiber optic cable, for a low-noise, direct-to-computer, connection or use the Compact Flash memory card to use the device as a stand-alone data-logging unit.

#### Application Developer Tools

The Application Developer Tools include three separate programs: the Channel Editor, the Screen Editor and the Script Editor.

The three are required to build complete Application Suites.

**THE CHANNEL EDITOR** allows you to build sophisticated data-processing structures, which are composed of up-to 40 physical channels and up-to 255 virtual channels, for biofeedback or data-acquisition applications. The Channel Editor includes a large library of computation algorithms and an intuitive user-interface to make developing specialized applications a breeze.

**THE SCREEN EDITOR** enables you to design any number of display screens to use in conjunction with a given channel set. Screens are designed by placing graphing and media instruments on a blank screen area. Combine immediate and discrete feedback instruments with timers and event-counters to build the sophisticated feedback paradigms that are required for today's demanding biofeedback environment.

**THE SCRIPT EDITOR** is a powerful programming tool, which allows you to write session scripts for automatic assessment, follow-up and training applications. Scripts expand the power of the Infiti system by allowing you to break a physiological recording down to the smallest logical component and define precise task-specific statistics. Scripted sessions are the only way to generate reliable trend reports as they allow you to perform standard and repeatable assessment and follow-up recordings.

#### What our Users say about the Infiti Software Platform:

"I have been using two ProComp Infiti's with the BioGraph Infiti™ for my NIH funded research on energy medicine... I find the system's functionality, clinical tools programmability and reporting features very impressive. It will enhance and perhaps transform the practice of psychophysiology as well as biofield science."  
*Gary E. Schwartz, Ph.D.*

"I am extremely impressed with the Infiti system in terms of the excellence

in the design of the hardware and software. It is extremely versatile, and has outstanding displays and accurate signal processing. It should be applicable for all biofeedback and neurofeedback protocols."  
*Joel Lubar, Ph.D.*

"The EEG-Z, combined EEG and impedance sensor, used with the ProComp Infiti hardware, is terrific. Checking impedance is quick and easy, plus you know immediately which electrode, if

any, has a poor connection. The client gains two ways: faster hook-up and better quality feedback. The Infiti system worked perfectly at a workshop I just gave... Infiti will lead the field in combining neurofeedback and other biofeedback modalities."  
*L. Thompson, Ph.D.*

"You and your staff should be very proud of this achievement... it will advance the practice of biofeedback."  
*Fred Shaffer, Ph.D.*

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## THE INFINITE POWER OF BIOFEEDBACK



& PSYCHOPHYSIOLOGICAL SOFTWARE