

# **BioGraph® Infiniti**

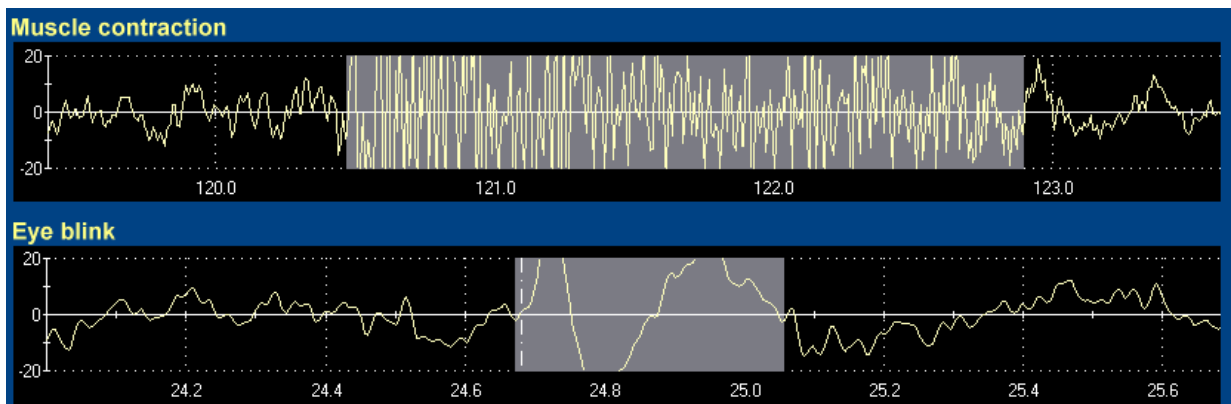
## **New Features in version 2.5**

### **Top 5 New Features:**

- ✓ **Automatic EEG Artifact Rejection**
- ✓ **Streamlined User Interface - more user-friendly startup sequence & simplified session settings to maximize ease of use**
- ✓ **Global Notch Filter Options for Better Quality Signals**
- ✓ **New Epoch Statistics**
- ✓ **Improved Database Management Options**

### **Automatic EEG Artifact Rejection**

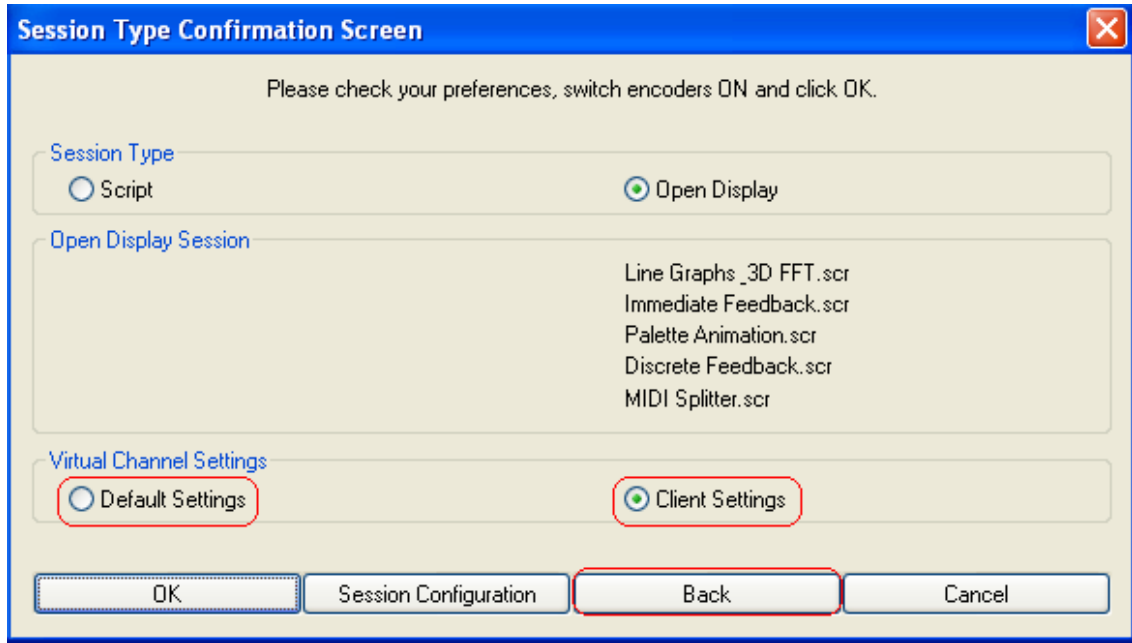
Cleanly remove anomalies created by eye blinks and muscle contractions from all raw recorded EEG signals to provide reliable statistics. The system automatically places segments over artifacts, which you can review and manually correct, as necessary.



### **Streamlined User Interface**

#### **1. Starting A New Session Just Got Easier - User Friendly Session Startup Sequence and Features Improvements**

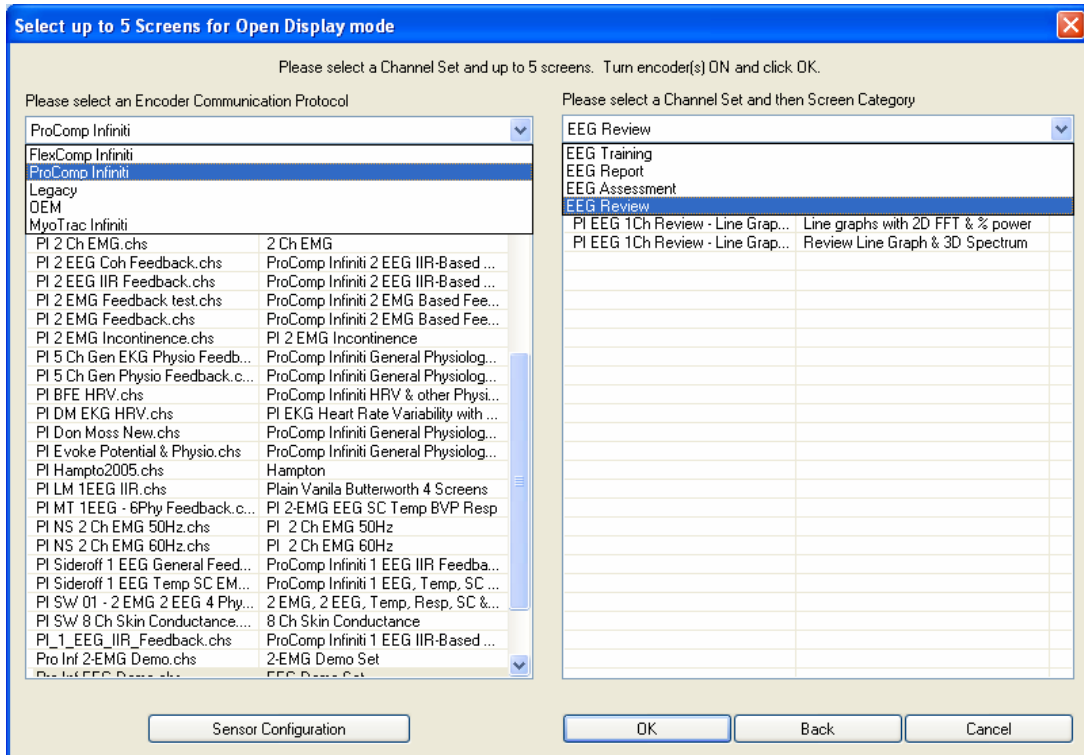
- Return to a previous step using the new "Back" button implemented in all session recording sequence steps.
- Load Client Settings from the previous session, so that your client always uses the same settings. This ensures consistent training, even when new screens are used.



- Channels and screens selected during the previous session are remembered and automatically highlighted for faster session start up.
- When starting a session you have instant access to frequently edited variables in the channel Sets and Scripts, without requiring the use of the Developer Tools. This includes changing the display screens in the scripts just prior to running a script.

## 2. Locate Channel Sets and Screens Faster

Rapidly locate the channel sets and screens based on your encoder type and the category of screens you wish to use. No more sorting through long lists!



### 3. Easy Access to Newly Entered Clients

- When a new client is created and saved, it is automatically highlighted and ready when starting a session.

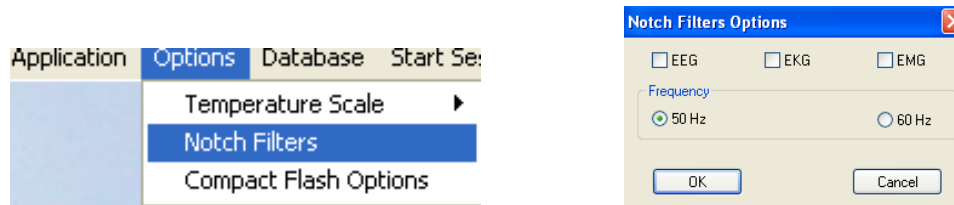
### 4. Session Time Format on Status Bar.

- The time display for recording, replaying and reviewing sessions is now in hours, minutes and seconds hh:mm:ss format in the status bar, to make session timing simpler.

Open Session: 00:01:14.875 / 00:03:41.625

## Global Notch Filter Option for Better Signal Quality

You can set the notch filter to 50 or 60 Hertz in the same fashion as it is possible to set the temperature scale to Celsius or Fahrenheit. This allows you to define a 50 or 60Hz notch filter for all EEG, EKG or raw EMG signals, globally, without requiring a notch filter channel in the channel set.



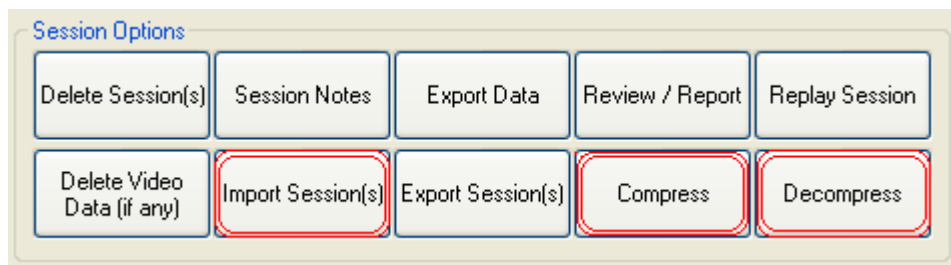
## New Epoch Statistics

Show Client Progress as you go. Compute any statistic over a user-defined epoch, for example, every 10 seconds, instead of computing the statistic over a whole session. This is most useful with the Histogram instrument to show real-time trend graphs while recording. Another option is to simply show the epoch statistics in numeric values, which refresh after each epoch.

## Improved Database Functions to Simplify Your Work

### 1. Expanded session data Import/Export functions including ability to transfer single sessions between systems

- Export a single selected session or multiple selected sessions. This feature is useful when working from multiple or remote clinical training sites. It is also useful to transfer a session that was recorded in the wrong client file.
- When downloading sessions from a Compact Flash card (connected to a CF Card Reader), you can save the session data to an existing or a new Client file in the database.



### 2. Session File Compression/Decompression - Smaller Data Files

- It is now possible to compress session data to save space. This is important for long sessions using multiple channels of data recorded at over 2000 samples per second.

- Using the Session Compression option, you can save hard-drive space by choosing to compress the raw sensor data and video information for selected sessions.
- You can easily decompress these sessions for reviewing or replaying. Choose “Delete Video Data Only” after reviewing a session that has a video file, to free even more precious megabytes of hard drive space.

### 3. Export Time and Event Markers with Data

- For researchers who need to export data to other software, the TTL Standard, exports your session data with time and event marker columns.

## Other New Features in Biograph Infiniti Version 2.5

### Improved Reporting Functions

#### Event Markers

- Event Markers are automatically labeled sequentially, when you press the Space Bar, e.g. M1, M2 etc. In review mode, when you place the mouse cursor over the event markers, you will now see a label.

#### Clinic ID on Reports

- Prints Clinic ID in addition to Client ID numbers in Reports

#### Improved Session Notes Dialogue Box

- Automatically skips to next line when going over the edge of the box

#### More Screen Time Scales

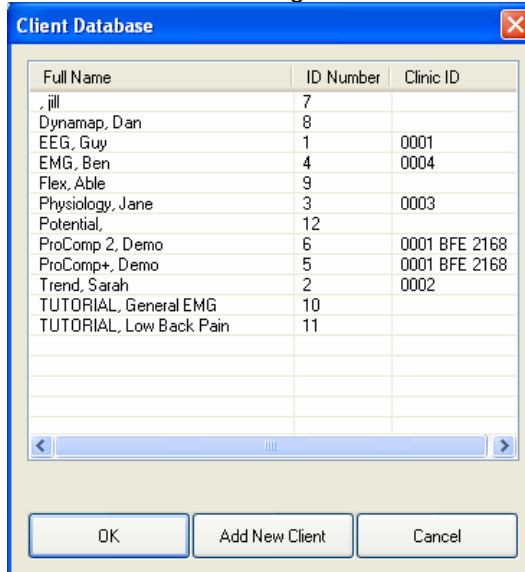
- 1,2,5,10,30 seconds and 1,2, 5,10,30 and 60 minutes..

#### Easier Virtual Channel Editing While Running a Client

- Quickly change virtual channel settings, such as averaging, bandpass and thresholds, by pressing pause, changing the values and resume the session.

#### Client Database Popup

- When you start a session, the Client Database Popup now shows the “Clinic ID Number” in addition to the client name and software-generated ID number.



### Hiding Instruments

- Highlight the instrument to choose which instrument to hide, instead of from the drop down list.

### Encoder Status Messages

- A number of new messages have been added to let you know the status of your encoder. These new messages let you know which encoder was detected, and the protocol that was selected. If you make a mistake in your selection of the wrong channel set for the encoder, not turning on the power or not connecting the USB or fiber optic cable, the software will help you start again quickly.

### EMG Just Got Better

- MyoScan Sensors: Ability to see the DC offset.
- MyoScan-Pro sensors: automatically zero negative readings from Myoscan-Pro sensors, even after zeroing.

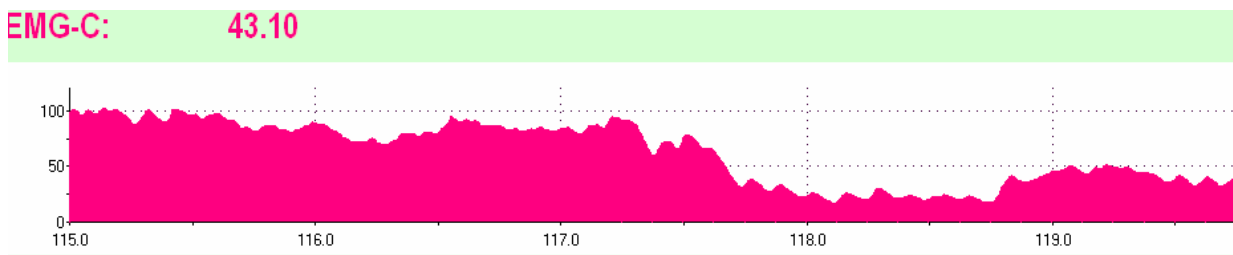
## What are the New Features in the Developer Tools?

### What's New in the Screen Editor?

Screen Editor now accessible in Review, Replay and Record mode from Biograph Infiniti main application, with one simple click. Change anything in your screen while running a session. Simply Stop, click on Screen and Screen Editor and you are editing the screen. When finished click "Save as" or close and you are back to your session.

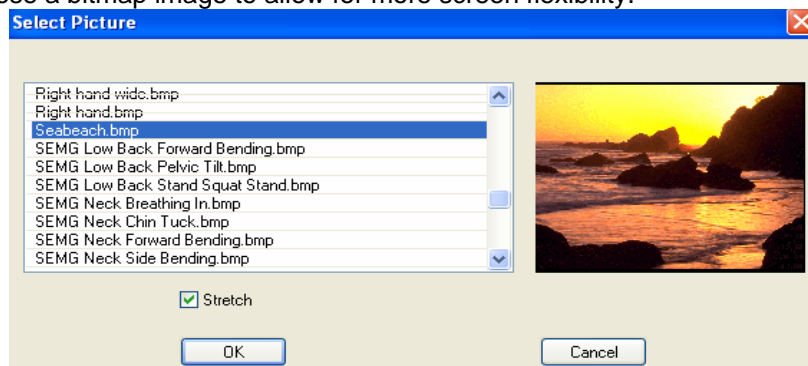
### Filled Linegraphs for Easier Viewing

- Provides you with all the feedback options a regular line-graph instrument does, with the added benefit of an easy-to-see signal line. An image is worth a thousand words...



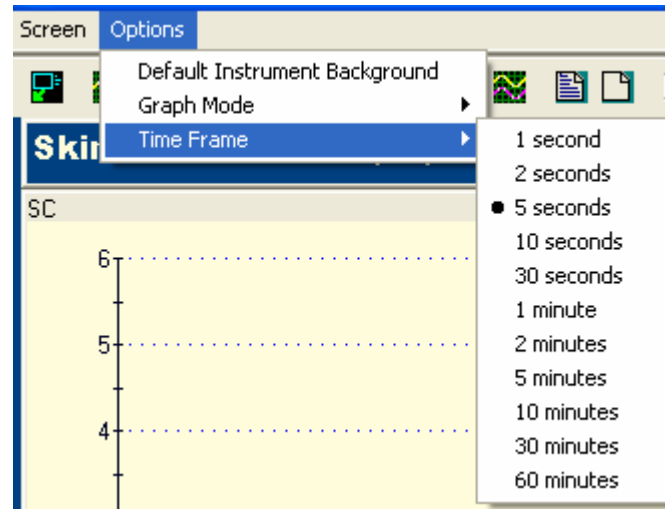
### Bitmap instruments

- Choose a bitmap image to allow for more screen flexibility.



### New Default Time Scale Setting

- The screen editor allows you to specify a Default time scale setting on every screen. When recording sessions, each screen is loaded with its own time scale setting, which reduces time scale adjustments. The Time Scale drop down list also includes more time scale options.



### Histogram 2D and 3D features:

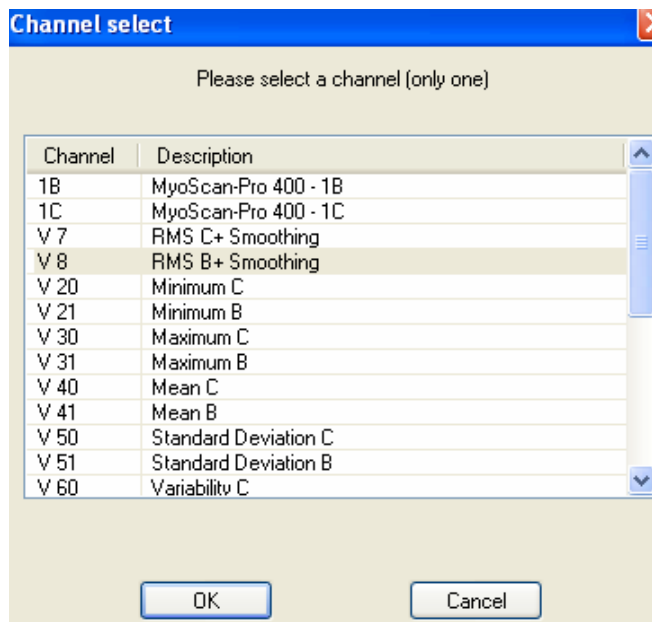
- Histogram now has 2D and 3D features which allows the bars to appear flat like ribbons or 3D like wooden blocks.

### Improved AVI and Palette Animation Instrument Interfacing

- Connect an AVI or Palette Animation Instrument to any Boolean channel for direct control from a Bar Graph or a Link instrument. This allows you to set the animation to play forward, backward, start and stop when any numbers of conditions are met together.

### Channel Select Pop Up Screen

- Channel numbers now appear in the channel select popup of the Screen Editor

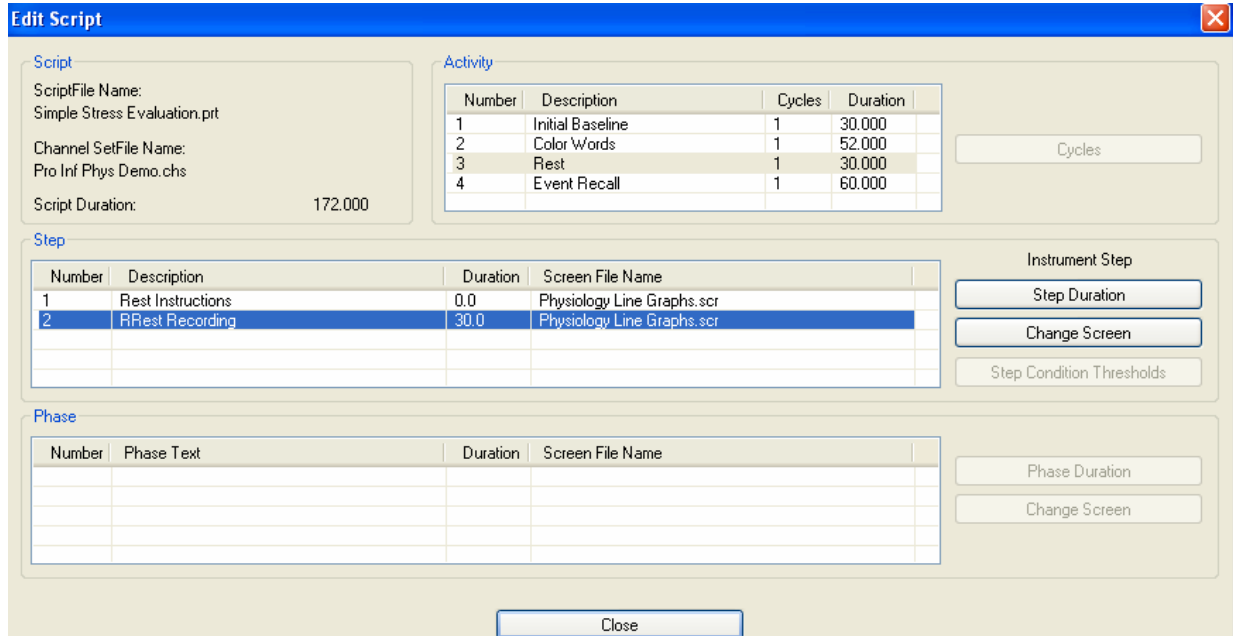


## Simplified Script Building and Editing

More power for script developers both using the Editor and directly from the main application.

Edit Script Settings directly from the BioGraph Infiniti Software:

- **Select a different display screen for the selected step.** This makes building your own scripts even easier! Now have the ability to provide more variety to your clients without having to learn how to create your own scripts. Simply use an existing script and choose a new display screen.



- Before running a script directly from the BioGraph Infiniti software you can now **Modify a conditional step threshold value**
- **Script Sessions:** At the end of the session all information will remain on screen, so data displayed as histograms and review counters can be noted.

### Script Editor Improvements :

- Conditional Step allows you to jump to the end of the script, not just to the previous activity, when conditions are met.
- You can now view all steps, including instructional steps in the timeline
- Using the timeline at the bottom, the user can now double click and open the selected activity/step/phase
- Using **Conditional Steps**, you can build a script that monitors a specific value and starts recording (un-pauses) ONLY when that condition is met.
- With the **new TTL Foot Switch**, you can build a script that will wait for you to press the switch in order to move from activity to activity.