

Biograph Infiniti version 6.6 (SA7900)

Overview

The new Biograph Infiniti version 6.6 introduces the eVu-TPS sensor (temperature, pulse and skin conductance) to the BioGraph platform and includes a number of powerful new functions which will make BioGraph Infiniti easier to use and more powerful than ever.

Key Features

Compatibility with the eVu-TPS sensor

The eVu-TPS sensor is Thought Technology’s most innovative and compact physiological sensor so far. This wireless sensor integrates temperature, finger pulse and skin conductance sensors in one slick, tiny device that attaches at the tip of one finger. The eVu-TPS sensor captures clinical grade physiological measures and sends them wirelessly through Bluetooth to BioGraph Infiniti.

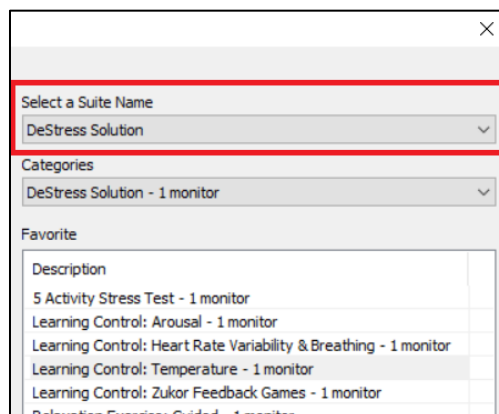
The DeStress Solution is a BioGraph Suite that is designed to work seamlessly with the eVu-TPS device and provide clinicians with a complete set of biofeedback and self-regulation tools.

- A Starter level system, including the new DeStress Solution and the eVu-TPS sensor is expected to be released in April 2019.

1. Suite Category

One of the most frequent challenges to new users are the long lists of Quick Start Favorites, Channel Sets or Scripts that installing multiple suites creates.

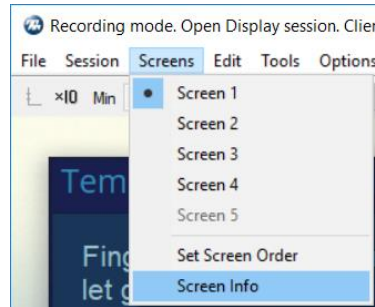
- The new “Suite” category, added in the Quick Start / Start Open Display / Start Script session dialog boxes simplify the task of selecting a session configuration.



2. Screen Information option

Another common user challenge occurred when trying to pick and choose training or review screens during a session. A new “Screen Info” option was added to the screen selection dialog boxes and

BioGraph's Record/Review/Replay modes to provide clinicians with more detailed information on the selected screen's intended use and purpose.



- All new suites, including the DeStress Solution, will incorporate Screen Info instructions.
 - *Note: Older suites need to be updated with appropriate pdf documents to benefit from this new feature.*

3. Sensor location information

Clinicians specializing in EMG muscle rehabilitation or neurofeedback training will appreciate a new option to easily identify specific electrode location for each EMG/EEG sensor. Lists of standard muscle locations (EMG: Right trapezius, Left bicep, temporalis, etc...) and 10-20 EEG electrode locations (EEG: C3, C4, CZ, etc.) are included.

4. New covariance algorithm

Covariance is a measure of “togetherness” for two signals. The measure determines the direction of a linear relationship between two variables as follows:

- If both variables tend to increase or decrease together, the coefficient is positive.
- If one variable tends to increase as the other decreases, the coefficient is negative.

- *Note: The computation is available in the Channel Set editor. Suite channel sets will have to be edited to include covariance computations.*

5. Miscellaneous other features

- BioGraph will accept JPEG (.jpg) image files.
- Area Statistics reports can now include signal graphs.
- A new “Visual Stimuli Export” option was added to the Database’s Export Data feature to allow clinicians to export physiological data with specific moments when audiovisual stimuli were presented.
- For 3rd Party Developers: The number of data “channels” that can be sent to a 3rd party application via TCP/IP using the Connection Server was increased.

