

## Deymed Engineering Advantages

Deymed manufactures reliable and high-quality neurodiagnostic and neurocare systems, but that's not all. Our goal was to advance the field to new heights with engineering innovation and creativity. Our aim was to develop a new kind of product, something the market has been looking for but could not find, until now.

Read below to learn of just a few engineering features that are changing the world of neurocare and neurodiagnostics :



**Fully Battery Operated** - Offering the highest signal quality possible and lasting months on a single charge, Deymed systems significantly reduce artifacts and outside noise by running 100% on batteries.



**High Sample Rates and DSP** - Designed with Digital Signal Processor technology, Deymed systems can sample at very high sample rates while changing any parameter on the fly digitally. DSP offers numerous advantages over standard analog processing.



**Fiber Optical Isolation** - Optical isolation greatly improves signal quality and patient safety. This feature combined with long-lasting battery operation, offers the best-in-class technology for neurophysiological recordings.



**Click N' Go Portability** - No longer be forced to choose between purchasing a hospital cart or a portable system. Now you can have both! Easily detach your system from the cart with a single click and be on-the-go with a laptop.



**Always On Impedance** - Always-on impedance monitoring allows the user to never have to wonder if the electrode impedances are out of range during a recording. One of the many advantages of high sampling and DSP processing.

## System Configurations



### Portable BFB Configuration:

Laptop with Click-and-Go 2 or 4ch BrainFeedback headbox connected to a USB adapter.



### FlexiCart BFB Configuration:

FlexiCart with integrated computer and Click-and-Go 2 or 4ch BrainFeedback headbox connected to a USB adapter.

## Product Specification:

• Number of channels	2 or 4
• Analog sampling frequency	256 Hz per channel
• Sampling rate of stored data	256 Hz
• Bandwidth	from 0.3 to 70 Hz per channel
• Analog time constant	0.5 s
• Maximal input DC offset	± 240 mV
• IMR	140 dB
• Voltage measurement accuracy	± 2 %
• Measurable transition impedance	1 - 50 kΩ
• Power supply	3.7 V 1800 mAh battery
• Dimensions (W x H x L)	90 mm (3,5") x 35 mm (1,4") x 140 mm (5,5")



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## Other Deymed products:

**TruTrace® EMG**  
PSG/EEG/EMG SYSTEM

The first ever battery powered EMG system offering contamination-free nerve conduction and needle EMG examinations.

**SomniPro® (PSG)**  
PSG/EEG/CTM SYSTEM

Advanced wireless polysomnographic system including infra-red HD video monitoring and full 10/20 EEG recording.

**TruScan® EEG**  
EEG/EP/FLTM SYSTEM

Technically advanced EEG system built for demanding clinical and research use. The system can be configured as a portable, clinical or long term monitoring station.

**DuoMAG™ MP-Dual**  
DUAL MONOPHASIC STIMULATOR

Advanced Dual-Monophasic magnetic stimulator for clinical and research use.

**DuoMAG XT**  
MAGNETIC STIMULATION

rTMS stimulator with advanced therapy, research and diagnostic features.

**NeuroTablet® (RS)**  
EEG RECORDING SYSTEM

Ultra-portable EEG for ambulatory monitoring and home video telemetry including built-in infra-red and wireless functionality.

**Deymed Original Accessories**

Complete line of accessories for clinical use.

**World-Wide Support & Service**

Phone, Email and Remote Desktop Support for Superior Service

**Distributed by:**

BrainFeedback BFB rev BFB-BD191



CLINICAL  
NEUROFEEDBACK



**Advanced Neurofeedback system designed for clinicians wishing to use the highest standard for Neurotherapy and Brainfeedback.**

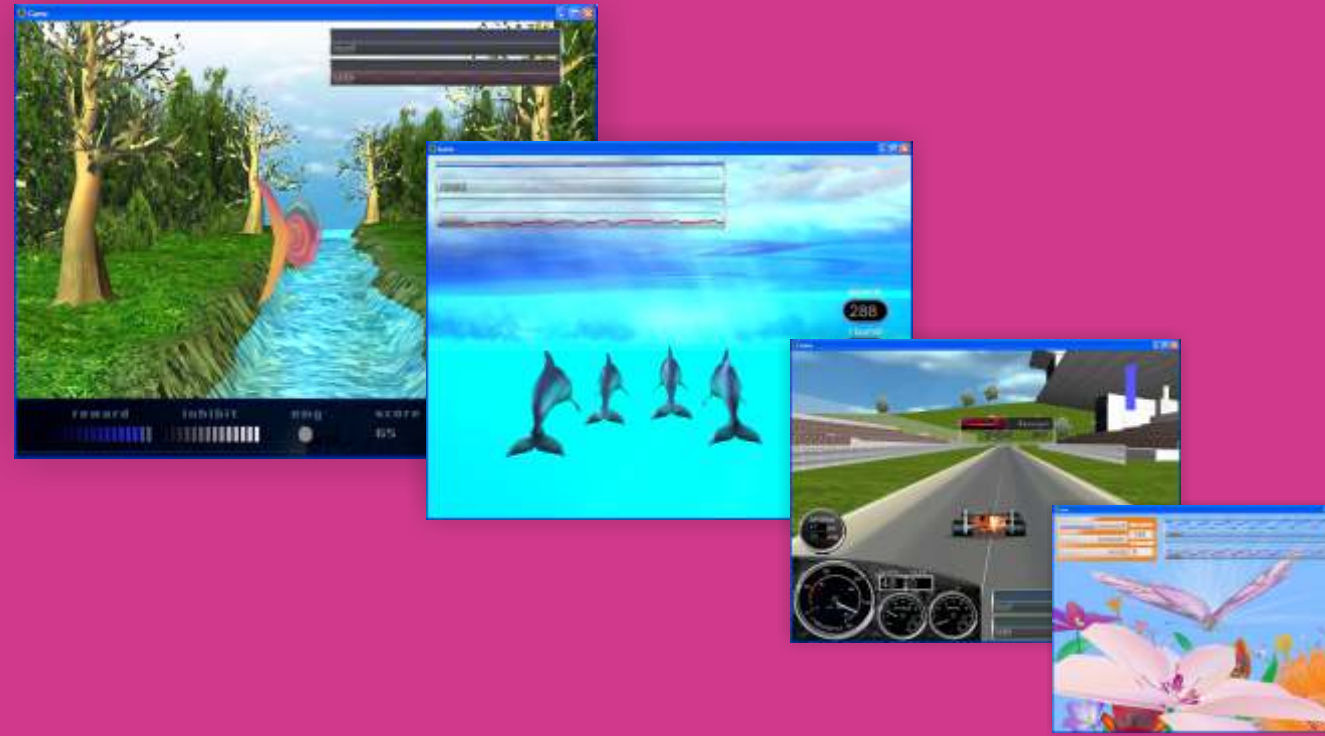


The most user-friendly interface of any neurofeedback system, the BrainFeedback Pro includes specialized 3D games, trend graph reports and an advanced protocol setup utility as well as z-score training.

**Features:**

- Auditory and visual feedback with adjustable thresholds
- Specialized 3D games for neurofeedback
- Multi-parameter DVD Feedback
- Multi-channel custom protocol constructor
- 6 customizable threshold bins
- FFT spectral display
- Z-Score based protocol
- Customizable trend graphs of session data
- Pause and continue ability during training
- Uni-polar, bi-polar and coherence protocol support
- Easy to use pre-set protocols

**3D Games**



**Superior Results with Deymed:**

Deymed systems have been developed with feedback from users like you. Our goal is to create products that makes your job easier, therefore we strive to continually improve and customize our systems to exceed your expectations. If there is any feature that you would like to see implemented, please let us know, that's what we're here for.



**Service, Support and ePortal:**

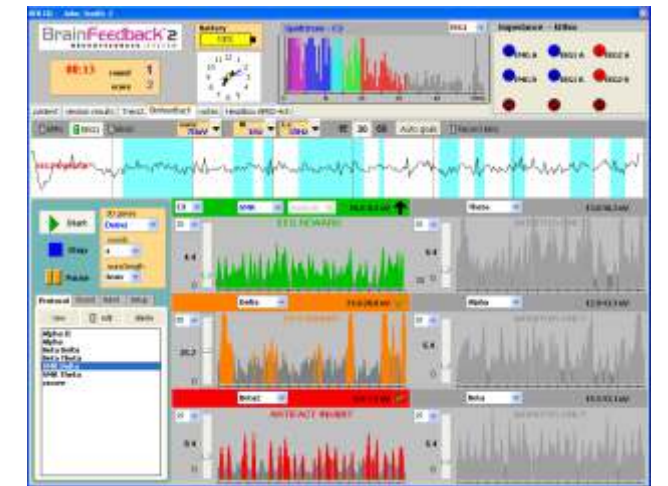
All Deymed systems are backed by a team of dedicated professionals that give world-class support utilizing the latest in service technology. Remote Desktop Control allows any internet connected system to be troubleshooted by a Deymed technician. In the event that the problem can't be solve, a service technician can always be sent on-site for full assistance.

In an effort to ensure all users are satisfied with their Deymed equipment, users are encouraged to visit the Deymed Service Portal where you may register an account for fast access to all your Deymed related needs. Some uses of the portal include entering trouble tickets or downloading the latest software for your device. You may also track your orders placed via the Deymed e-shop such as accessories, software upgrades or hardware add-ons. To find out more visit us at Deymed.com

**Software Features**

**Brainfeedback Interface:**

The Brainfeedback interface is designed to be easy to use, even for beginners. All controls are visible on one dashboard screen. This style layout stands in stark contrast to systems that require intensive study and training to create even basic protocols. The simple to use yet powerful dashboard layout allows a clinician to fully concentrate on the client's needs.



**DVD Multi-parameter and Linear Feedback:**



Deymed introduces the first DVD Neurofeedback system that has independant filters for up to three EEG and/or artifact bands as well as linear change to the filter effect as the patient gets nearer or farther from the set goal. This new paradigm will dramatically change how DVD is used in Neurofeedback.

**Automatic Trend Graphing:**

All patient data is saved automatically to a built-in patient database including scores, EEG data, power for each band, reward percentage, ratios and z-score data. This information and more can be displayed at the push of a button in our trend graphing system designed in partnership with Dr. Joel Lubar, one of neurofeedback's leading pioneers.

