Be Plus Pro Advanced System
Workstation Version
Standard Technical Report

Be Plus PRO Advanced
The most powerful and versatile electrophysiological acquisition unit ever

FOCUS ON
Workstation Version

- 77 total inputs
- LAN, USB and WIFI connection
- EEG video with PTZ camera
- Medical workstation cart
- Wide possibility of data archiving and interfacing with the outside world for data interconnection and archive recovery

BE PLUS PRO Advanced "Workstation" version
(Image for illustrative purposes. The configuration offered may vary according to the accessories included in the offer)

Contents

STANDARD TECHNICAL REPORT

THE FOLLOWING INFORMATION ARE STANDARD, SOME FEATURES MAY NEED A DEDICATED LICENSE TO WORK, DUOUBLE CHECK WITH OUR INTERNATIONAL SALES OFFICE IF ALL THE FEATURES OF YOUR INTEREST HAS BEEN INCLUDED IN THE FINAL PROPOSAL

GENERAL DESCRIPTION

BE Plus Pro Advanced "Workstation" version, constitutes the state of the art technology for the acquisition and processing of electrical signals generated by the central and peripheral nervous system and for all types of electrical signals generated by the human body. Excellent features, in combination with the typical modularity that unites all "Galileo" line systems, ensure the highest level of functionality in the context of the main diagnostic investigation activities (EEG, Video EEG, EP, Polygraphy, PSG and LTM).

Designed by treasuring the decades of activity and experience acquired by EB Neuro in the specific sector, BE Plus Pro Advanced finds its optimal location in the study of brain electrical activity aimed at LTM, PSG and the execution of Brain Death Assessments.

The acquired trace is processed and displayed in real time, by the Galileo application, on a high-resolution touchscreen medical panel PC.

BE Plus Pro Advanced configured in this way, also allows patient monitoring via Digital EEG Video with PTZ camera, remotely controlled both via software and via remote control and video interface inside the instrument. The high performance of this solution allows the easy analysis of any movement, even small and rapid.

BE Plus PRO Advanced CAPTURE MODULE

The BE Plus Pro Advanced acquisition unit consists of 67 total inputs, of which 34 are monopolar, 24 bipolar (12 pairs), operating in both AC and DC, 4 powered bipolar inputs, as well as GND and NE inputs and 5 additional inputs. There is an integrated self-calibrating oximeter, which can be used with direct attachment sensors, which provides the signals of Plethysm, HR and SpO2 (therefore an additional 3 digital channels).

With low weight and size, this unit is equipped with a color display for viewing traces, impedance and control buttons, useful during patient assembly to facilitate setup operations and effective control of the examination.

BE Plus Pro Advanced can also be equipped with:

- N.1 modulo Wireless (WIFI)
- N.1 removable and rechargeable battery pack
- N.1 internal memory module

The bipolar channels can also be used as referential channels (for a total of 40 referential channels), while according to the needs all the channels of the module can work in both AC and DC.

The analog-to-digital converter works at a sampling rate of 32 KHz for all channels and, according to needs, allows you to select the number of samples that can be stored.

A rejection >160 dB combined with residual noise < 0.15 µVrms, 24 Bit resolution and dynamics up to 600mV, guarantee maximum fidelity and cleanliness of the signal.

A visual flash stimulator/Goggles, equipped with a wide spectrum white light, is capable of handling an unlimited number of programmable protocols and manual sequences.

INTERFACING

BE Plus Pro Advanced is interfaced to the computer both in USB and LAN mode (optional WIFI).

When both are enabled (LAN/WIFI), the two modes guarantee continuity of recording in all situations, ensuring maximum patient mobility within the inpatient ward, thus eliminating the limitations imposed by the traditional cable connection.

In this configuration, an integrated battery pack and memory bank allow automatic data storage on board the acquisition module (dynamic recorder mode) even in the event of loss of both LAN and Wireless communication modes (if, for example, the patient were to leave WIFI coverage). As soon as the module is brought back to the WiFi coverage area and is therefore able to permanently restore one of the two connections (LAN or Wireless),

all the data in the internal memory will be automatically transferred and stored on the PC, with perfect temporal alignment with the data on the HDD, acquired before the loss of connection.

VIDEO EEG

EEG video with PTZ camera, including:
- Galileo VEEG software enablement
- Camera control via TCP/IP protocol
- Ultra-sensitive microphone for audio recording
- Infrared-sensitive, zoom-optical, and digital CCD
- Camera mount

LAN AND CONTINUOUS OPERATION MODES WIFI LAN AND BATTERIES

When properly configured, BE Plus Pro Advanced guarantees business continuity, thanks to the combination of LAN and WIFI technologies that can be integrated into the acquisition module and automatically managed via software.

LAN Mode

When the LAN mode is active, the acquisition module and the computer are interfaced through a single connection cable, which in addition to ensuring communication and data transmission, guarantees the power supply to the acquisition module. A snap-on hook-and-release mechanism of the connection cable allows the acquisition head to be connected and disconnected from the rest of the system quickly, safely and easily, allowing the patient to become perfectly autonomous in cases where he needs to move.

With LAN mode active, the acquisition system operates on the same principle as traditional stationary acquisition systems.

WIFI mode

WIFI mode is always "listening", waiting to establish a secure connection the moment the LAN connection drops or drops.

When WIFI mode is active, the acquisition module and the computer communicate through a secure "ad hoc" wireless network connection and the power supply of the BE Plus Pro Advanced acquisition module is guaranteed by the battery pack integrated in it.

When the LAN connection is re-established, the system automatically returns to LAN mode while the WIFI mode returns to "listening", ready to intervene again if necessary.

The real strength that distinguishes BE Plus Pro Advanced is represented by the fact that this system integrates a unique operating principle, which guarantees continuous operation in any condition, exploiting and combining all the advantages, in terms of security, speed and synchronism offered by LAN and WIFI technologies.

In the event that both the LAN and WIFI connections are not available, business continuity is guaranteed by the presence of an internal memory of 16GB which, compatibly with the exceptional battery life, ensures 7 hours of recording even at high sampling rates in dynamic recorder mode.

As soon as at least one of the two connection modes (LAN or WIFI) is restored, the acquisition module returns to communicate the data in real-time and at the same time, in the background, an automatic process is activated

that safely transfers all the data previously stored in the internal memory, synchronizing them with those present on the PC.

This operating principle ensures continuous recording without any loss of sensitive data, even in the absence of a direct connection (LAN) or WIFI.

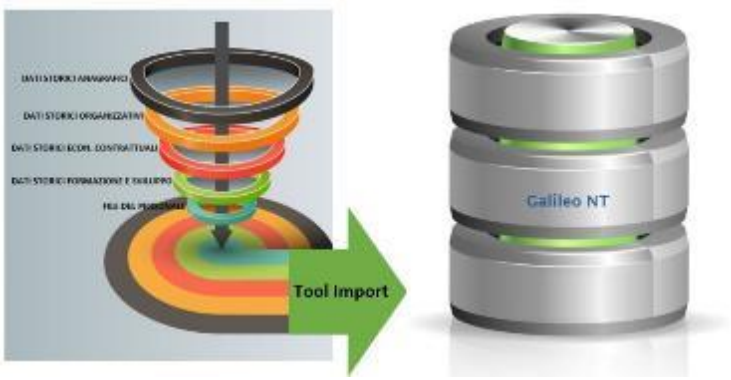
TYPE mode EEG holter LAN Wireless and batteries

BE Plus Pro Advanced can record without the need for a computer connection, thanks to the built-in controls in the head. All the information needed to start recording, such as impedance verification and a preview of the traces, will be displayed on the color display integrated into the acquisition module. Once the EEG Holter recording has started, the amplifier will save the data directly to the internal memory, until the memory or battery life is exhausted. The system can also operate in this mode connected to an external medical power supply equipped with a special cable and medical power supply in order to extend the available recording time.

TROLLEY "Workstation" version

The trolley of the BE Plus Pro Advanced "Workstation" version, of robust workmanship, has been specially designed to be able to ergonomically house all the components of the system such as monitor and printer. Built sturdily, on non-marking wheels equipped with parking brakes, it is equipped with an arm for the acquisition module, which can be positioned both on the right and left of the trolley. On the bottom there is an isolation transformer with double fuse protection and equipotential earth socket, which supplies all parts of the system, making it safe and compliant with current regulations and makes it possible to turn on and off all system components by means of a single switch.

PATIENT/EXAMINATION DATABASE



The structure that manages the patient/examination database is oriented towards network connections (multiple and distributed archives) to ensure flexibility and security. An access control by username and password, with different access privileges (reader, acquirer...) guarantees the security and privacy of the data.

The organization of the information allows you to sort the data according to different criteria and quickly search, even on multiple archives, patients, examinations, medical history, reports, Backup archives on the basis of name, age, pathology, type of examination and date.

A powerful statistical analysis, based on the attribution of customizable codes and values to data and patient info, allows you to extrapolate useful and always up-to-date information in a few steps.

Medical history and report editing system integrated into the Database, with the possibility of using predefined templates or creating and customizing new ones according to needs.

The SQL Client-Server database is able to read files exported in ASCII, EDF and EDF+, thus making it compatible for reading the recorded data with any type of instrumentation capable of exporting in these formats.

STORAGE

The system is set up with an archiving software application dedicated to the safe management and execution of backup operations of all acquired data (patient data, traces, reports and medical history), with the possibility of storing such data both on centralized archives residing on company servers and on optical media, including:

- CD
- DVD
- Blue Ray (Optional Drive)

In addition to a traditional data archiving application, the system is equipped with a backup utility ("Data Browser") that allows data to be stored on any digital medium (CD/DVD/USB key) with the possibility of being able to reread the traces from any computer without the need to rely on the Galileo NT Line software. This opportunity creates a stand-alone re-reading tool, perfectly compliant with the directives of the "Regulation containing the Procedures for the Assessment of Brain Death", Ministerial Decree no. 582/94, Law no. 578 of 29/12/1993 and updated with Decr. Min. Health 11/04/2008.

"GALILEO" EEG.NET SOFTWARE for EEG and Monitoring

General description

The Galileo line is now enriched with a new software package dedicated to the acquisition, reading and processing of the electroencephalographic signal.

Galileo.NET complements traditional methods in particular departments such as intensive care, operating room, polysomnographic clinic, allowing the prolonged acquisition of neurophysiological signals.

The philosophy of Galileo.NET is inspired by two foundations: Multimodality and Monitoring.

Multimodality as several processes can be carried out at the same time: acquisition, quantitative data analysis, printing, reading, remote consultation, file transfer, etc.

Monitoring, which means everything that allows the monitoring of the patient's neurological activity: prolonged acquisitions over time and their management, through compressed representation, quantitative EEG analysis, remote online consultation, with the possibility of entering/modifying events.

Technology

The technology adopted to create the EEG NET application is based on the "Microsoft .NET" framework. This platform offers the possibility of creating a useful and easy-to-configure interface even for less experienced users, as it uses the same methods adopted in the most common MS Office applications: insertion of icons for the most used commands, configuration of dedicated toolbars.

But the power offered by this framework is manifested more in the management of data on the network, as it realizes the possibility of remote monitoring through "broadcasting".

The .NET technology, in fact, allows the use of modules (acquisition, replay, processing, ...) indifferently locally or on the network, making it possible to distribute the application and run parts of it locally (e.g. user interface) and other parts on the network (e.g. data acquisition).

Layout and user interface

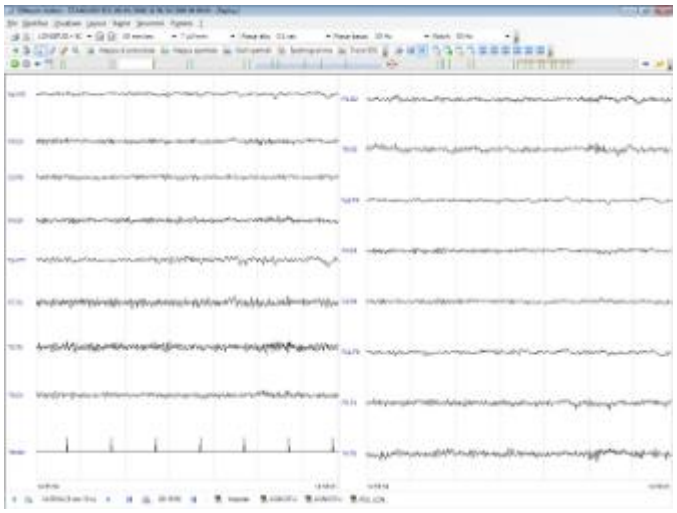
The User interface is now fully configurable according to the methods adopted by the MS Office applications and capable of managing up to 6 windows to contain tracing, processing, Video EEG, Trending, etc...

The combinations of these windows, in terms of the contents that you want to attribute to them, can be saved, both during acquisition and reading, in particular personalized "Scenarios" (or Layouts) that the user can recall at any time.

Traces Window

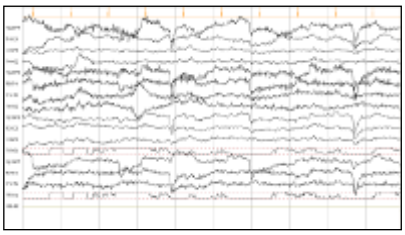
Many of the most common controls used both in acquisition and in review, available in graphic interfaces, can be placed side by side with the main window of traces, in order to have the greatest information content offered by them.

In the case of multi-channel acquisitions, it will be useful to be able to arrange the editing of the representation of the traces on 2 columns, in order to have greater visibility of each track.

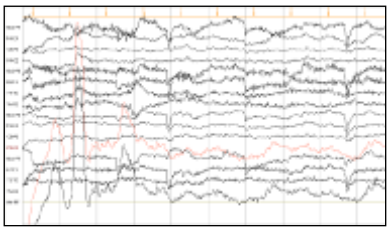


A graphic clipping, available for each trace, will instead allow you to hide the signal in its values above a certain threshold, to avoid, for example, that in the presence of artifacts the "dirty" traces overlap the good ones, hiding their trend and therefore the information content.

Before After



Other useful properties are those of manual dragging of traces vertically, of inserting spaces (null traces) to discriminate the trends, of being able



the better to represent the traces as: traces, histograms or sequence of numbers.

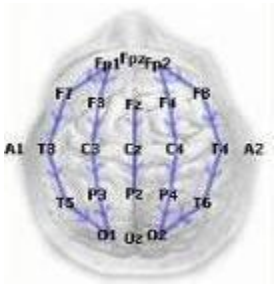
To further improve the visibility of the track and its possible processing, the viewer can, in the presence of an appropriate configuration of the video card, be "split" on two monitors, by means of a dedicated automatic control available from the interface.

Next-generation graphics properties

To enrich the layout of an EEG recording (both in acquisition and in re-reading), 2 additional controls are available, one concerning the montages and the other the insertion of events/states.

Montages and Presets

A window that can be placed next to the traces allows the user to graphically view the available montages and, if necessary, to apply the desired one to the path (replay/capture).

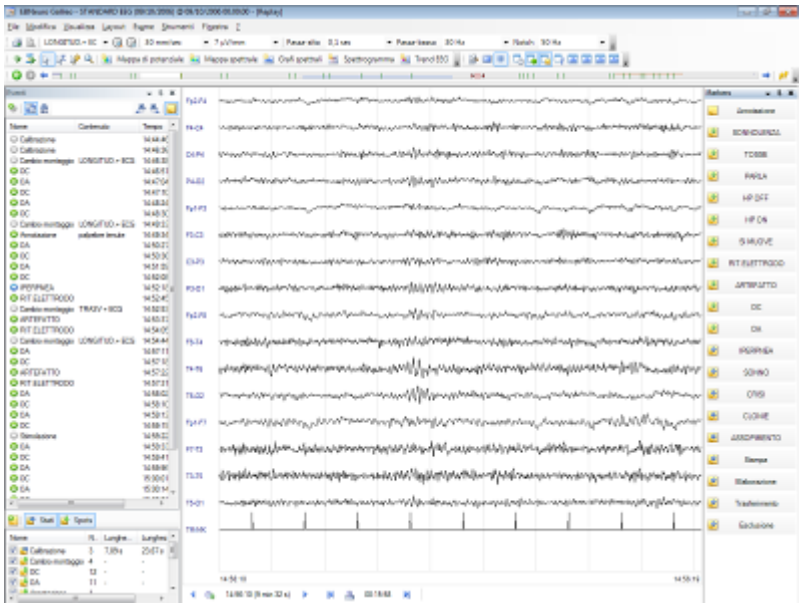


An unlimited number of EEG/polygraphic montages (bipolar, monopolar, in medium reference) can be stored, which can also be redefined for a single trace. A special dedicated routine allows reading while preserving the exact sequence of montages that the operator had selected during recording. The transition (or reconstruction) from one assembly to another is immediate both on the monitor and on paper (in the case of real-time printing).

It is also possible to store an unlimited number of working protocols (Presets), different in amplification, filtering, editing, time constant, paper scrolling speed, type of calibration, photic stimulation program, for as many different uses in the recording of the EEG laboratory.

Event Insertion

The list of events/statuses is available immediately below the traces and the insertion of the same takes place with an easy double click on the corresponding "button". At any time, the user can always insert a new event that will be saved in the layout.



Photic stimulation

A particular routine of the device management program allows you to "build" and store work protocols also for photic stimulation, with LED flashes or Goggles.

You can set up arbitrary stimulation sequences, including all available frequencies for the duration you deem necessary. During the acquisition, the operator can activate or not activate the stimulation program by pressing a single button, or set the stimulation frequency online.

Features during capture

Galileo.NET allows the following main functions during the acquisition of the trace:

- Real-time modification of all acquisition parameters (sensitivity, time constant, low-pass filter, notch and anti-muscle filter), both for single channel and for groups of channels
- Interelectrode impedance control with LED threshold indicator positioned directly on the patient head and numerical value with graphic indication of the value on the system monitor, active at any time. If the check is carried out during recording to internal memory, the values are stored together with the trace
- Total control of the parameters of light stimulation, program activation, frequency modification, stimulus power, etc., displayed together with the trace
- Direct storage of signals with "full band" characteristics (maximum bandwidth of amplifiers), independent of the filter values and time constant set by the operator for acquisition display
- Insertion of messages and annotations on the track even in programmable automatic mode
- Real-time printing on the printer of all or part of the layout, including date, time, filters, sensitivity, time constant, paper speed and montages
- Control through dedicated function of recording times, hyperpnea, etc
- Editing of patient cards, tracing cards, etc
- Split-screen division both horizontally and vertically, with the possibility of reviewing previous sections of the track being acquired, or other selected traces, even via remote location
- Complete configurability of the workspace in operator-programmable "layouts"
- Programmable Filtering Steps

Monitoring

Electroencephalographic monitoring is developed on several fronts: the system must first of all be able to acquire EEG for several days, giving the possibility at any time to interrupt and resume the acquisition in the same way, to always have the acquisition history under control in terms of events/states and interruptions. This is guaranteed by the presence of a "navigator" (more commonly a navigation bar), in which the events that are entered by the user (hyperpnea, eyes open, eyes closed, ...) or automatically by the system (stimulation, calibration, ohmmeter) appear during the acquisition or rereading of the examination.

It is possible to view an Event List to accompany the track, which is continuously updated and on which operations can be carried out to modify/delete them and export them to the report.

Split Track

Another fundamental aspect is to be able to view parts of the trace still being acquired. To meet this need, the Track Split function has been managed, which reopens, alongside the online track panel, the track acquired up to that moment. The user has the possibility to carry out any editing and analysis operation characteristic of the replay on this portion of the track.

The reopening of the traces during acquisition also takes place for Video EEG examinations.

EEG/Video EEG Reading

The re-reading, in addition to all the editing and state/event input functions, has convenient controls for scrolling the traces and their display.

The mouse cursor can change and take the shape of a hand with which you can act on the path in order to scroll it in small steps, forward or backward in time. The layout display can be compressed to such an extent that up to 5 hours per page can be displayed on one page.

The inspection of the route can take place in the following ways:

- standard sec/sec
- standard pag/pag
- defining a step of your choice
- through events/statuses (event list, exam overview, navigator)
- Bookmarks to instantly find points of interest
- The main functions of the reading section are as follows:
- Automatic or manual page scrolling, EEG mode scrolling
- Immediate reading on a single graphic table of all messages and/or annotations entered during recording with automatic search for them on the track
- Continuous display of the amplification parameters used
- Reading the layout with reformatting of the montages and/or according to the montage used in recording
- Zoom of any detail of the trace, analysis through a "trend" graph (visualization in compressed form by means of parameter extraction) for the quick search for paroxysmal phenomena
- Digital filter function applicable on single track or on all traces of the readout edit
- Selection of track traces that are not of interest to be discarded and/or of interest for processing and/or archiving, printing, etc

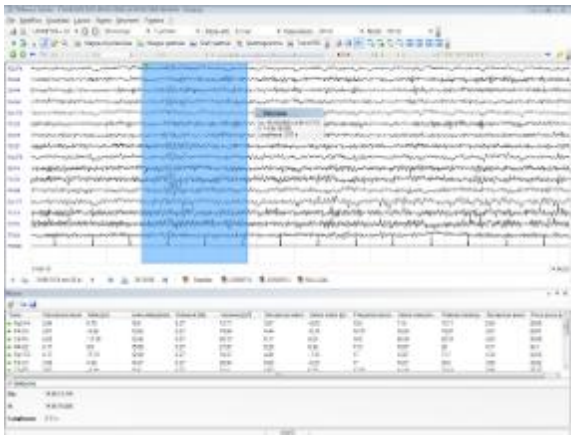
- FFT per track or per portion of track
- Amplitude/time/delta frequency measurements via cursor
- Simultaneous comparison of traces from different traces on the screen (to be archived, from CD Rom, from other drives on the network) to make quick comparisons between the different recordings, with both horizontal and vertical split screen.

Print

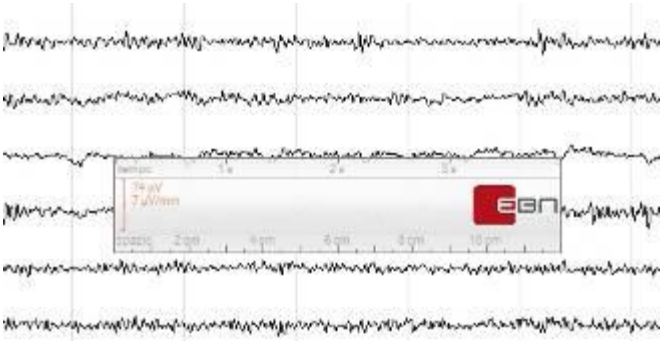
This selection allows you to launch the Print job on all selected pages. To carry out this function, simply call the print from the File menu and in the dedicated window through the Selection item, choose "Print" to print the pages selected for this purpose. Obviously the Print process can be done on any other type of selection, choosing the corresponding item, whether it is a system state or a user-defined state.

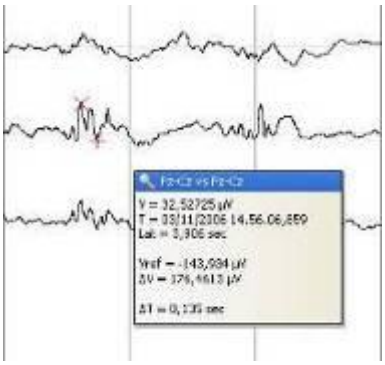
Zoom and Measurements

Apart from the standard modes adopted for measurements and zoom, the original functions of Ruler and Measurements with markers for latency and amplitude will be useful to the user. The "Ruler" allows the user to get an idea of the width of the track, sizing the vertical axis of the same in μV according to the most common representation sensitivity among the traces.



The Track Inspector control allows you to successively insert a reference marker on a track and a comparison marker to evaluate the difference in amplitude and latency between the two.





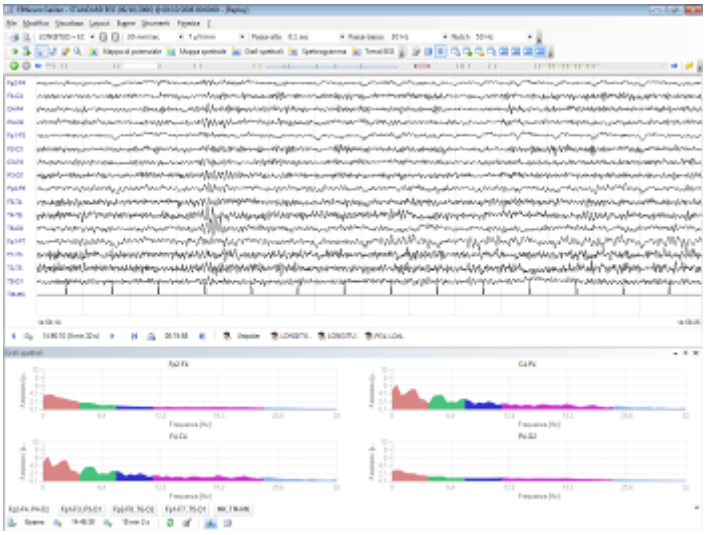
Quantitative Spectral Analysis

In addition to giving the fundamental possibilities of acquiring the EEG signal for a long time, the system allows you to create acquisition presets also dedicated to quantitative analysis, as well as to carry out these processing regardless of the preset in use.

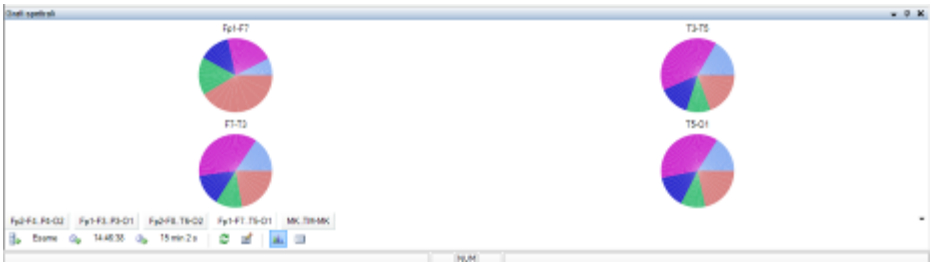
The quantitative analysis of the EEG makes it possible to analyze signal epochs with the aim of extracting significant parameters whose representation is carried out in particular windows, which can always be recalled from the viewer and can be placed next to the trace panel, as well as saved within the user layout. The results of these processes become part of the EEG.NET exam as "child" exams.

An easy way to carry out spectral analysis of the trace is available for re-reading, according to the chosen assembly and on the following time intervals:

- Current Page
- states (with the ability to exclude any uninteresting internal states)



The graphical representation of the spectra (power/amplitude spectrum) is based on the definition of any number of spectral bands, identified by a special color. The possibility of representing the power/amplitude in the various bands in the form of cakes has been introduced, thus indicating the relative power for each band (flanked by the corresponding absolute value).

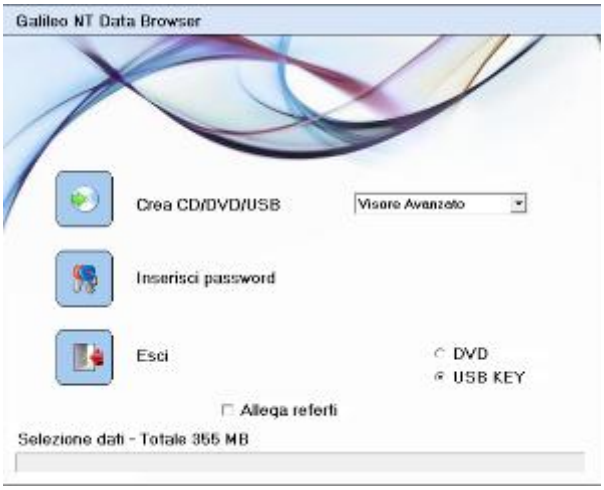


"Quick Start" function

The "Quick Start" function allows you to quickly start a new acquisition by bypassing the standard procedure for entering the patient's mandatory personal data (Name, Surname and Date of Birth). The software automatically creates, in a completely transparent way to the user, a temporary patient, to whom, at the end of the acquisition, the correct personal references can be associated. This function allows you to make quick recordings in the event that the patient manifests a sudden crisis or to be able to manage emergency situations, where the patient's personal data have not yet been recovered and it is necessary to acquire the signal instantly.

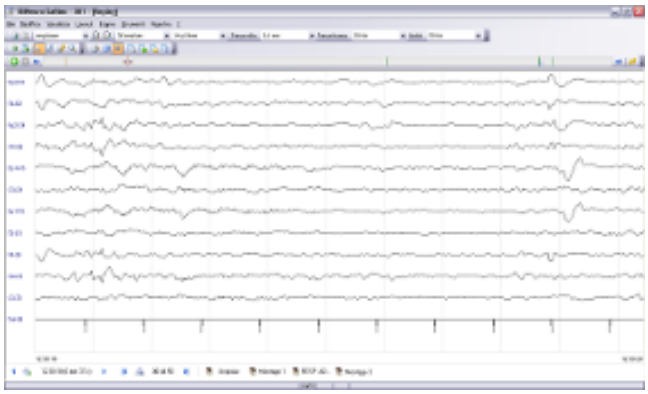
Galileo Data Browser

The "Data Browser" utility allows you to create a copy of the data on optical media such as CDs or DVDs or using USB flash drives. Galileo Data Browser offers the possibility of using two different types of viewers, with which it will be possible to view the data previously stored without the need to rely on the EBNeuro software, effectively creating a stand-alone reading tool.



Advanced Viewer

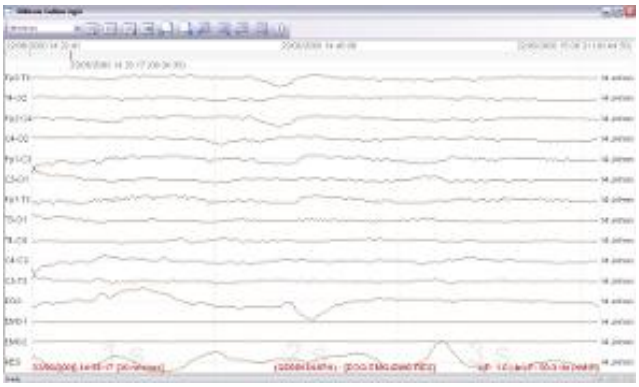
The Advanced Viewer is based on the .NET structure, replicating exactly the viewer used by Galileo, providing the user with many useful tools to navigate within the layout, make measurements, customize the mountings, etc.



Light Viewer

The Light Viewer, as the name suggests, is easier to use because only the main commands are active to allow the revision of the layout. The Light Viewer does not take advantage of the .NET structure, so it also guarantees greater "lightness" from the point of view of the overall space occupied. With this configuration, the icons for changing the display parameters are particularly intuitive and easy to interpret even by non-expert users.

This type of viewer is particularly suitable for exporting data following a brain death assessment.

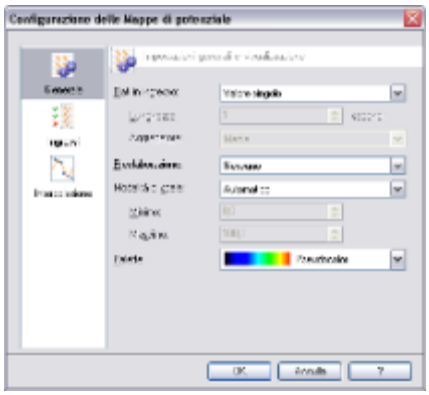


Potential Maps and 3D Spectral Maps

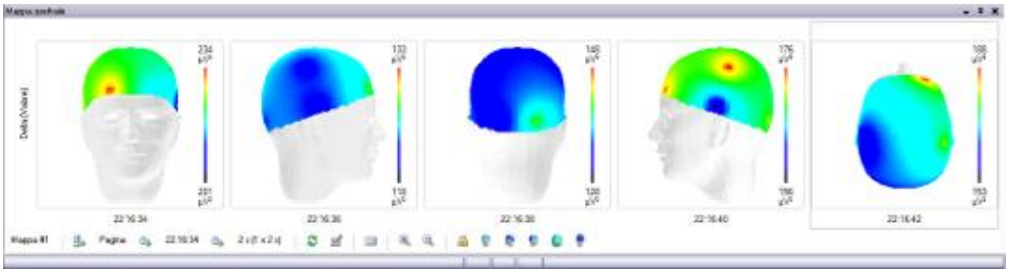
Galileo EEG.NET allows you to create potential maps, with parameters freely configurable by the user, starting from the raw EEG signal distributed in the patient's cortical topology.

It is possible to select and set the following calculation parameters:

- Single Value: Calculates instantaneous potential values based on cursor position
- Epoch: indicates the time interval starting from the cursor position from which a potential value is extrapolated based on the type of Aggregator
- Average: Returns the average of all potential values
- Absolute Average: Returns the average of the absolute values of the potentials
- Maximum: Returns the maximum of potential values
- Absolute Maximum: Returns the absolute maximum of potential values
- Peak-to-peak: Returns the maximum excursion between the maximum and minimum potential value



It is also possible to manage with Galileo EEG.NET the visualization of spectral maps in both 2D and 3D mode, configuring, among different computational options, each interpolation step, grid size, definition of contours and related approximations, etc. It will be possible to view individual maps (of eras, pages or entire exam) or divide the selected range into several maps and call up individually one at a time with a simple click of the mouse.



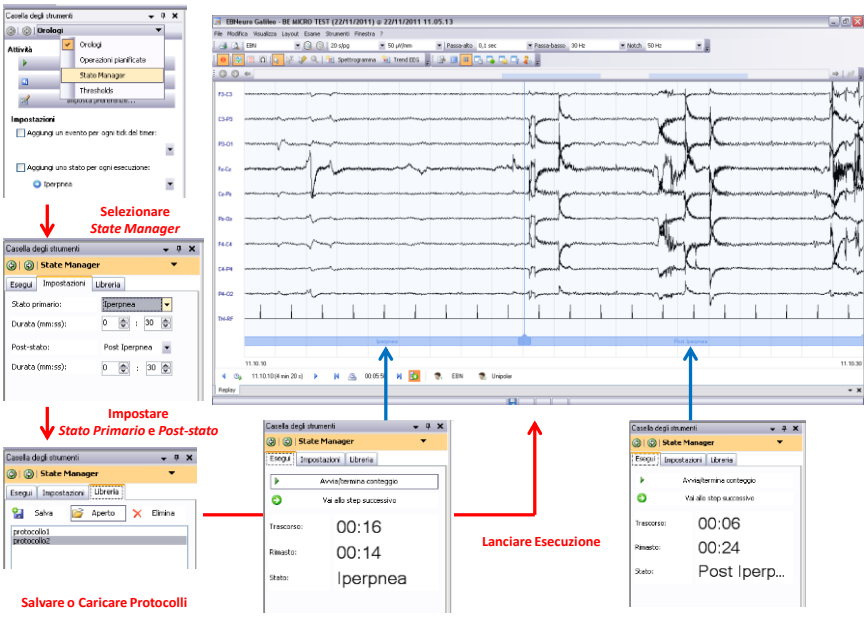
Scheduled tasks

Scheduled tasks represent instructions stored within a user-defined protocol that Galileo will EEG.NET execute automatically once that protocol is activated and executed.

The user can enable scheduled operations when creating an automatic protocol or by calling up the appropriate item during acquisition.

For each operation, the "Delay" is represented, which indicates the delay offset of the start of the operation itself, starting from the general start of the protocol. The "Duration" represents the period of execution of *the operation.*

State Manager



The State Manager is a tool, available in the "toolbox" section, for the automatic management of states in real time, thanks to which it is possible to set the type, duration and a possible state after the end of each execution. As you can see in the figure, to use the State Manager you need to set the box in the current layout, select State Manager, define a protocol with state and post state with relative duration, possibly save different

protocols in the library and, once everything has been configured, start the execution. It is also possible to anticipate the closure of the primary state, allowing the immediate execution of the Post-state. This new process is particularly suitable for the automatic management of Hyperpnea and Post Hyperpnea, ensuring maximum flexibility.

Threshold States

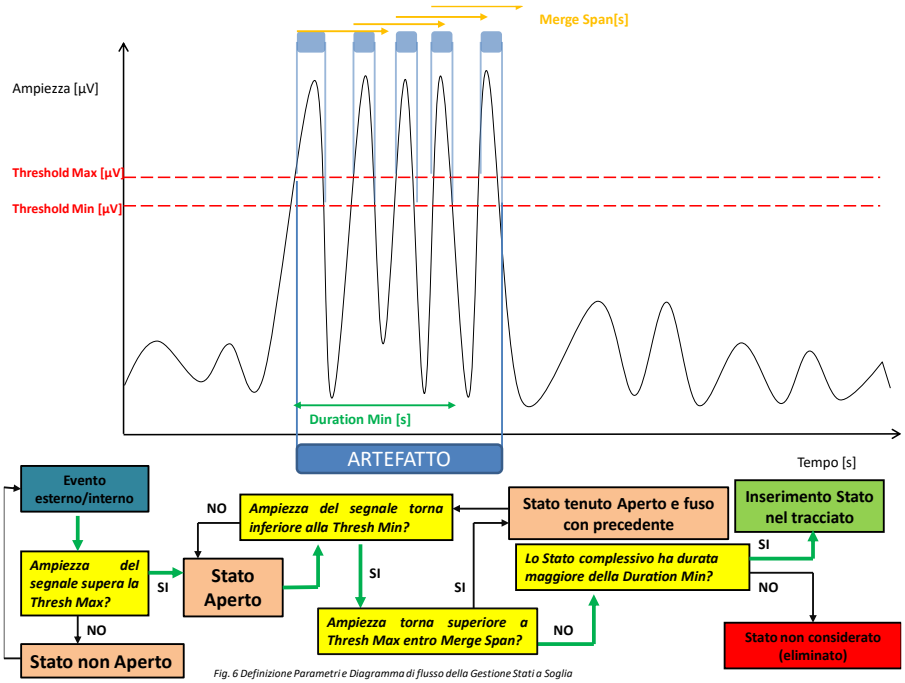


Fig. 6 Definizione Parametri e Diagramma di flusso della Gestione Stati a Soglia

The Management of Threshold States offers the doctor a useful and versatile tool to facilitate real-time identification during the acquisition of particular events, relating to the exceeding of a certain threshold of width of the trace and according to its duration.

Leaving maximum freedom in setting the parameters, both of the EEG channel group and of the single polygraphic channels, the customer has the opportunity to highlight particular clinical or artefactual events. The tool, which can be freely enabled or not, allows you to automatically enter a state selected by the user when the conditions defined by the set parameters occur. For this reason, the Threshold States Management is not a tool for self-diagnosis, but a support to facilitate rereading and to speed up reporting, also allowing the possible modification/deletion of the generated statuses. The figure shows the characteristics of the parameters for the Threshold State Management and the related Flow Chart.

EEG2Go

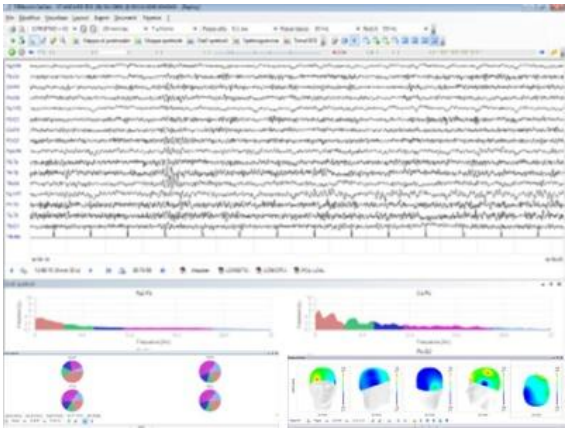
The EEG2Go utility allows you to create and associate an executable file (*.exe) to a single EEG data, allowing you to quickly launch the Light EEG viewer with a double click and open the EEG trace stored inside.

Unlike the Data Browser, the EEG2Go is more versatile because it can be created, as well as on optical media (CDs and DVDs), also on external memories such as Hard Disks and USB sticks and on the local PC by selecting an internal save path.

These features make the EEG2Go an effective and quick to use review tool, effectively transforming any PC into a reader station and with the peculiarity that a single executable file is easier to manage and "transport" than a standard data browser that incorporates many more files and folders.

With EEG2Go it is possible to make precise measurements thanks to the new slider for Light viewer.

One of the main features of EEG2Go is related to the small size of the executable file, which occupies only about 3.5Mb, without the need to install any component of Galileo NT.



The technology adopted to create the EEG.NET application is based on the "Microsoft .NET" framework. This platform offers the possibility of creating a useful and easy-to-configure interface even for less experienced users, as it uses the same methods adopted in the most common MS Office applications: insertion of icons for the most used commands and configuration of dedicated toolbars. These advantages translate into significant opportunities within the EEG.NET application, allowing the user to use numerous functions and applications, integrated within the Galileo NT Line software, which together represent a valid effective diagnostic tool with considerable ease of use.

The main functions characterizing the EEG.NET application are as follows:

- Real-time modification of all acquisition parameters (sensitivity, time constant, low-pass filter, notch and anti-muscle filter) both for single channel and for groups of channels.
- Interelectrode impedance control with threshold indicator and numerical value on the system monitor, always on. If the check is performed during recording, the values are stored in the plot file.
- Free management of photostimulation through a tool dedicated to manual or automatic control of stimulation parameters (frequency, energy and duration) with the possibility of customizing the stimulation programs.
- Direct storage of signals with "full band" characteristics (maximum bandwidth of amplifiers) independent of the filters used by the operator in acquisition.
- The insertion of markings and annotations on the route can be carried out both manually and automatically using a dedicated tool, which is started either following the exceeding of amplitude thresholds or depending on the duration of specific events.
- On-line and off-line printing of all or part of the layout, including all references relating to date, time, filters, sensitivity, time constant, page length and montage.
- Control, through a dedicated function, of recording times, hyperpnea, etc. for the generation of fully configurable programs, which allow the recording of the examination in a completely automatic way.
- Editing of patient cards, tracing cards.
- Complete configurability of the workspace in the form of programmable "layouts", with the number, type, size and arrangement of windows freely definable and recalled both online and offline.
- Programmable filter values.

- Opening and consultation of the EEG trace also during acquisition (monitoring) for measurements, editing and on-line focusing, even from a remote station on the network.
- Calculation of the FFT spectral analysis both on-line and off-line of the EEG tracing, through specific tools integrated within the Galileo NT Line software that allow to represent the frequency contributions in the form of graphs and spectral maps (2D/3D), trends (DSA/CSA and SEF).
- Compact representation and visualization of the EEG signal in trend form, using different analysis algorithms, including: CSA, DSA, Inband Power, Min&Max, BurstSuppression.
- In addition, the software offers the possibility of integrating the diagnostic application Spike&SeizureDetection (optional), for the determination and recognition of epileptic spikes both on-line and off-line.
- VideoEEG module with IR illuminator capability, Full HD PTZ cameras with 16 x zoom, frame-by-frame advance and software control in the acquisition interface.
- The EEG signal can be displayed in monopolar, bipolar and configurable medium reference. The line of each signal can be defined with graphic, numerical or mixed representation according to the needs and preferences of the operator.
- During recording, you can split the screen to present the live signal and the signal being reviewed simultaneously in scroll or page mode. This feature is automatically updated as registration progresses. In the review, all the reading and editing features available during the exam analysis phase are available.
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