



Persyst Mobile App

Instructions for Use (IFU)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

1. Contents

1. Contents	2
2. Licenses and Warnings	4
3. User Authorization Criteria.....	6
4. Indications for Use.....	6
5. Disclaimer	6
6. Copyright Notice.....	6
7. Manufacturer Contact	6
8. Description of Persyst Mobile App.....	7
9. System Specifications	7
10. Connectivity and User Access	8
10.1 Connectivity with EEG Acquisition Systems.....	8
10.2 Server Connectivity and Database.....	8
10.3 Multi Record Capabilities.....	8
10.4 Users and Authentication.....	8
10.5 HIPAA and Privacy	9
10.6 Contacting Technical Support	9
11. Persyst Mobile App Instruction for Use	9
11.1 Installation Steps	9
12. Accessing the Persyst Mobile App	10
12.1 Server Connectivity	10
12.2 Persyst Mobile App Setting Dialogue Configuration for iOS and Android devices	10
12.3 Troubleshooting Persyst Mobile Service Connection	13
13. About Page.....	14
14. Login.....	15
14.1 Logging Out.....	16
15. Settings.....	16
15.1 User Settings.....	18
Montage Editor	22
Montage Favorites	29

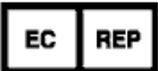
PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

User Comment Filters	30
Keyboard Settings	33
Virtual Clipping Settings	34
Notification Settings	36
Multi Patient Monitor Settings.....	37
Change Password	38
15.2 Shared Settings	39
Unit Definitions	39
Patient Unit Assignments.....	40
Edit Shared Comment Filters.....	41
Standard Comments	44
15.3 Trends Settings	47
15.4 EEG Settings	48
16. Patient Views	50
16.1 Patient List View	50
Tools (Patient List View).....	53
Comment Filters (Patient List View).....	55
16.2 Patient Monitoring View	56
16.3 Notifications View.....	58
Filters (Notifications View)	60
Push Notifications	61
16.4 Slide Show View	63
16.5 Multi Patient Monitor View	65
17. Trend Display.....	65
17.1 Comment Editor (Trends View).....	68
17.2 Settings (Trends View).....	73
18. EEG Display	75
18.1 Comments List (EEG View).....	80
18.2 Filters (EEG View).....	81
18.3 Split Screen View	82

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

18.4	Comment Editor (EEG View)	84
18.5	EEG Video Window	88
18.6	Spike Review (EEG View).....	90
18.7	Analyze Tool (EEG View)	97
18.8	Settings (EEG View)	98
18.9	Edit Montage (EEG View)	102
18.10	Quick Montages (EEG View).....	103
18.11	Hardware Group Selection (EEG View)	104
19.	Troubleshooting	106

2. Licenses and Warnings

SYMBOL	DEFINITION
	Product name
	Indicates the item is a medical device
	Prescription Use Only
	Caution, consult accompanying documents
	Instructions for Use
	Manufacturer
	Authorized Representative in the European Union
	Authorized representative for Switzerland
	Symbol for CE Mark. CE marking is the medical device manufacturer’s claim that a product meets the essential requirements of all relevant European Union Medical Device Regulation. TÜV SÜD Product Service GmbH is Notified Body with identification no. 0123.
	UK Conformity Assessed is product marking required for goods being placed on Great Britain (England, Scotland, and Wales). UKCA marking will indicate that a product meets the UKCA Marking requirements. TÜV SÜD BABT (UK Approved Body 0168)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

REF PERSYST MOBILE APP

CE 0123

**UK
CA** 0168

MD

EC REP MDSS GmbH
Schiffgraben 41
30175 Hannover, Germany

CH REP MDSS CH GmbH
Laurenzenvorstadt 61
5000 Aarau, Switzerland

UK Responsible Person:
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6 Wilmslow Road, Rusholme,
Manchester M14 5TP
United Kingdom

Australian Sponsor:
MDSS AU Pty Ltd
Ground Floor, Suite 55
97-99 Bathurst Street
Sydney NSW 2000 Australia

The Mobile App described in this Instructions for Use is furnished under a license agreement and may be used only in accordance with the terms of the agreement.

Prescription Label

Rx Only



CAUTION: Federal law restricts this device to sale by or on the order of a physician or a licensed healthcare practitioner.



WARNING: The Persyst Mobile App provides notifications to users on iOS and Android that are sent when comments are added to the patient record that match the current notification filter. The delivery of Persyst Mobile App notifications to the device are not guaranteed and may not be used as a substitute for real time monitoring of the underlying EEG by a trained expert.



WARNING: Do not rely solely on the notifications for critical alerts or monitoring of a patient's safety. The notifications should always be used in conjunction with other techniques such as (but not limited to) direct and remote surveillance and call buttons.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

3. User Authorization Criteria

Persyst Mobile App is intended to be used by qualified medical practitioners who will exercise professional judgment in using the information.

4. Indications for Use

1. The Persyst Mobile App is a software application that can be executed on a mobile platform or modern web browser. It is capable of displaying the original EEG data, and quantitative analysis of EEG data generated by the Persyst EEG Review and Analysis Software. This Mobile App is intended to be used by qualified medical practitioners who will exercise professional judgement in using the information.
 2. This device does not provide any diagnostic conclusion about the patient's condition to the user.
-
-

5. Disclaimer

All warranties of any kind are hereby disclaimed, express or implied, regarding the accuracy, sufficiency or suitability of this software, including all warranties of fitness for a particular purpose, for example, for clinical applications. The person utilizing this software has the sole responsibility for inspecting and making correct use of the results and images provided by this software. Any decisions taken on the basis of results provided by this software are at the risk and liability of the person utilizing the program. Persyst Development LLC assumes no liability as a result of the use or application of this software.

6. Copyright Notice

Copyright © 2024, Persyst Development LLC

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No part of this publication may be copied without the express written permission of Persyst Development LLC.

7. Manufacturer Contact



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420 Stevens Ave. Suite 210
Solana Beach, CA 92075
928-708-0705
support@persyst.com
www.persyst.com

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

8. Description of Persyst Mobile App

1. The Persyst Mobile App is a software application that can be executed on the Apple iOS mobile platform, on the Google Android mobile platform, or the current version of any web browser. It is capable of displaying the original EEG data, and quantitative analysis of EEG data generated by the Persyst EEG Review and Analysis Software. This Mobile App is intended to be used by qualified medical practitioners who will exercise professional judgement in using the information.
2. The Persyst Mobile App does not provide any diagnostic conclusion about the patient's condition to the user.
3. The system will provide a mobile user interface for the review features of the Persyst system. This will include the ability to enter comments. The interface will allow for the display of the quantitative displays of the Persyst product and the display of spike and seizure detections. There will be no capability to modify or add new quantitative trends or modify any detection parameters.
4. Persyst Mobile App does not manipulate digitized EEG data in any way that could result in the loss of the stored data, i.e., all EEG data files will be opened in a read-only mode.
5. Persyst Mobile App is a software only product that does not control any system that is of potential harm to the patient. The system opens the EEG record in read-only mode and cannot harm or modify the original record.
6. Persyst Mobile App is designed to provide user access the EEG records on Health Delivery Organization (HDO) server.
7. Persyst Mobile App used out of Healthcare Delivery Organization's secured environment shall connect to the hospital server through a secure VPN or through encrypted HTTPS.
8. Persyst Mobile App can be used to monitor records that are currently being acquired, or to review records that have already been acquired.
9. The user will be required to log in to the application using credentials that are maintained on the Persyst server installed on HDO hardware. These credentials are commonly passed through from the HDO secure LDAP server. The user will not be required to log in using their credentials if they have previously been authorized and if the use of touch ID is authorized. After authentication the user will be presented with a set of tabbed views showing alternative views of the patient's present in the Persyst EEG Review and Analysis Software database.

9. System Specifications

The Persyst Mobile App is compatible with any device that has access to a current web browser or iOS or Android version released after 2020.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

10. Connectivity and User Access

10.1 Connectivity with EEG Acquisition Systems

Persyst Mobile App does not have direct connectivity to EEG acquisition systems and interacts solely with your local Health Delivery Organization (HDO) server. Records labeled “Active” on Persyst Mobile App will experience a minor delay from real-time, as the data will appear only as it is written and accessed from your local HDO server.

10.2 Server Connectivity and Database

Persyst Mobile Service allows the user to run Persyst Software as a server providing a REST interface, it will also let the user add user authorization criteria for accessing Persyst Software running in server mode. Persyst Mobile Service for Persyst Applications Configuration Guide is included in the server download link. This may require connection to a VPN depending on the location and configuration of the Persyst Mobile Service.

Your local IT administrator enables Persyst Mobile Service access to the EEG records on your local Health Delivery Organization (HDO) server.

Note: The maximum length of recorded EEG that can be displayed on a compatible device is 168 hours.

If you are experiencing issues accessing records on the Persyst Mobile App, please contact your local IT administrator.

10.3 Multi Record Capabilities

The Persyst EEG Review and Analysis Software server will present multiple patient records to the mobile application as a single patient record. The server will consider that records which the underlying EEG system marks as being for a single patient are part of the same record. This determination is specific to the particular manufacturer. A vertical dashed gray line indicates the transition from one record to the next.

10.4 Users and Authentication

As part of Persyst Mobile App security function, username and password are required to login. The App keeps track of user access and makes this available to system administrators. User login credentials may be unique to the Persyst Mobile Server or may be linked to the hospital domain credentials. There is a user-defined setting to lock the device after specific period of inactivity.

User Names and Passwords are controlled by your local IT administrator and maintained on the Persyst Server installed on the HDO hardware.

When using VPN software, the user will be required to supply credentials for remote access. The user will not be required to log in using their Persyst server credentials if they have previously been authorized.

If you are experiencing issues with login, please contact your local IT administrator.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

10.5 HIPAA and Privacy

Client

Persyst Mobile does not store any patient information or data on client systems (iPad, phone, web browser). Patient Name and Record Number are displayed in all Patient Views, including: Patient List, Monitoring, Notifications, and Slide Show. Additionally, it may be possible for PHI to show in the Comments List, if the free text annotated in the file includes PHI. Patient Name and Record Number are displayed at the top of the EEG View and Trends View screens. Users have the ability to remove Patient Name and Record number from these views. See *User Settings* for more information.

Server

All data resides on HDO systems. No patient data is transferred to Persyst or any third-party. The Inactivity Timeout feature is set on default for 15 minutes and can be adjusted by the Persyst Mobile Server administrator.

10.6 Contacting Technical Support

For questions, concerns, or feature requests, contact:

Persyst Technical Support

Telephone: 928-708-0705

Email: support@persyst.com

For video tutorials and FAQs, navigate to www.persyst.com.

11. Persyst Mobile App Instructions for Use

11.1 Installation Steps

1. No installation is required to use the web interface for Persyst Mobile. The Persyst Mobile App for iOS and Android is available for download from the Apple App Store and the Google Play Store.
2. Execute the following steps to install the Persyst Mobile App on the **iPhone** or **iPad**.
 - 2.1 Launch the App Store by tapping the App Store icon from the launcher on the iPhone or iPad.
 - 2.2 Search for Persyst Mobile within the App Store.
 - 2.3 Select the Persyst Mobile application.
 - 2.4 Select the Install button to install the Persyst Mobile application.
 - 2.5 Enter your iTunes account password to begin the download process.
 - 2.6 Once the download completes, the Persyst Mobile icon will be present on the launcher.
 - 2.7 Tap the Persyst Mobile icon to launch the application.
3. Execute the following steps to install the Persyst Mobile App on **Android**.
 - 3.1 Launch the Google Play Store by tapping the Play Store icon.
 - 3.2 Search for the Persyst Mobile App.
 - 3.3 Tap Install.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

3.4 Use the iOS or Android App update function to receive the most updated software version

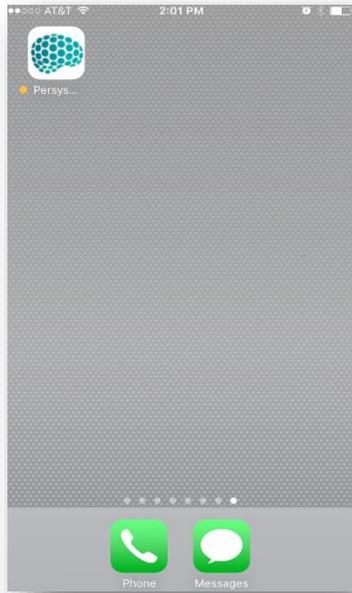


Image: Icon Image

12. Accessing the Persyst Mobile App

12.1 Server Connectivity

1. Persyst Mobile Service is installed on a local centralized machine using a download link provided by Persyst to your local IT administrator. Your local IT administrator enables Persyst Mobile Service access to the EEG records on your local Health Delivery Organization (HDO) server.
2. Ensure your device is connected to your local HDO server, as set up by your local IT administrator.

This may require connection to a VPN depending on the location and configuration of the Persyst Mobile Service.

If you experience issues connecting to your local server, contact your local IT administrator.

12.2 Persyst Mobile App Setting Dialogue Configuration for iOS and Android devices

Note: This section only applies to the iOS and Android native apps and is not needed if using a web browser.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

1. Install and then launch the Persyst Mobile App on your iPad, iPhone, or Android device.
2. Select **Connections** in the bottom-left corner of the app.

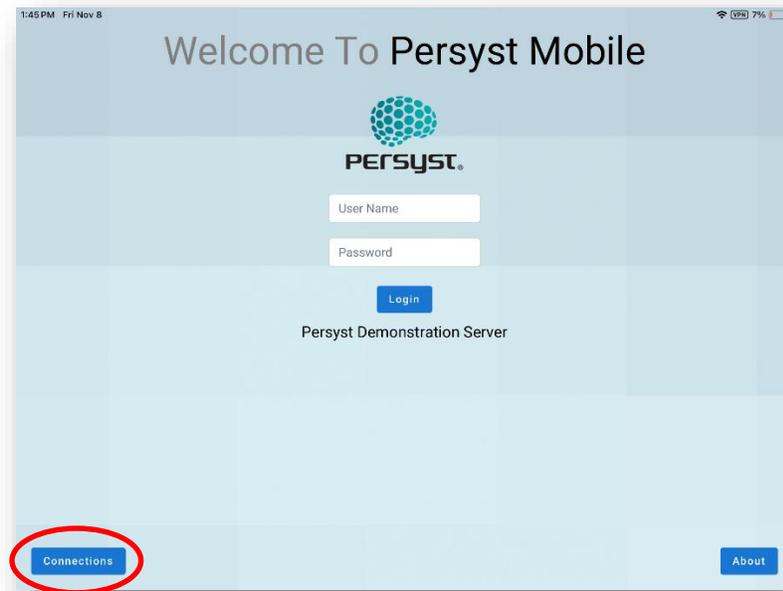


Image: Setting Dialogue Configuration

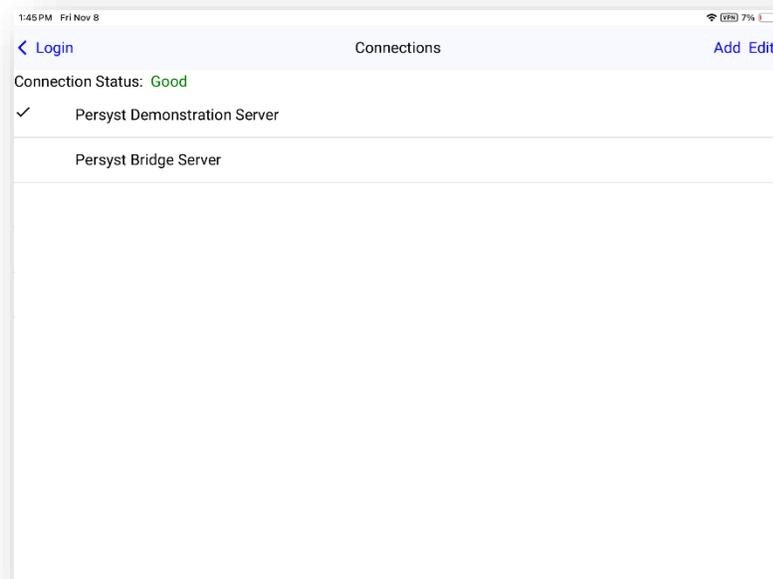


Image: Persyst Mobile Connections Page

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Name:* Multiple setups can be saved; the name is retrieved automatically from the mobile service when the connection is created.
- *URL for Persyst Mobile Service:* IP address that is displayed at the top of Persyst Mobile Service application window.
- *Port Number:* Use the port number configured in Persyst Mobile Service.
- *Use HTTPS:* Enable if HTTPS is configured in the Persyst Mobile Service application.
- *Add:* Create a new configuration.
- *Edit:* Make changes to a selected Server
- *Done:* Close the settings dialog with the current settings loaded.

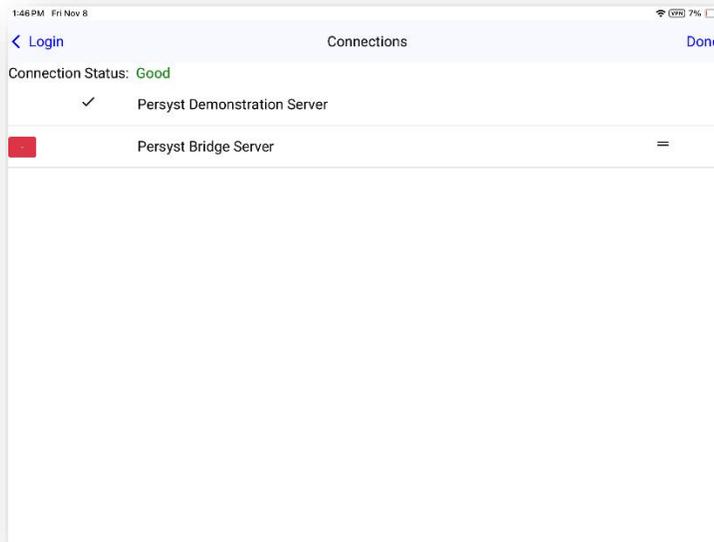


Image: Edit Connections (Persyst Mobile Setup)

- Select a server setting by tapping on the setting name or remove a server setting by tapping “Edit” and tapping the red minus “-“sign that appears to the left of the Setting name.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

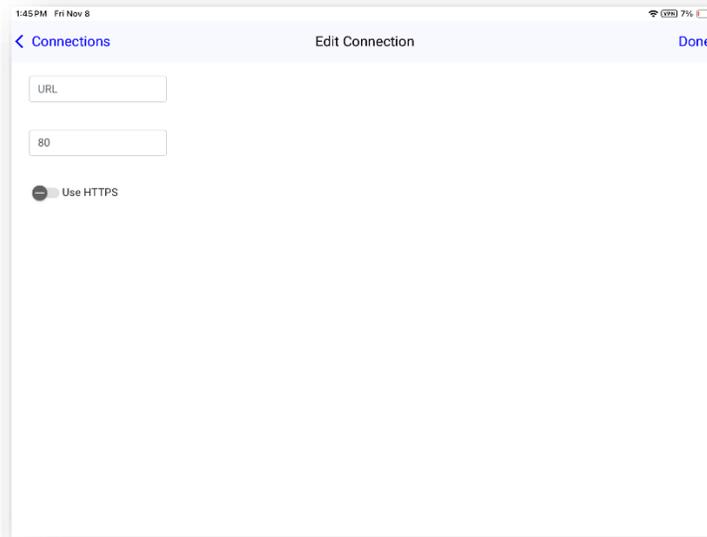


Image: New Server Configuration (Persyst Mobile Setup)

12.3 Troubleshooting Persyst Mobile Service Connection

1. Persyst Mobile App: Test Persyst Mobile Service Connection fails. Make sure you are on the same network (via Wi-Fi or VPN) as the computer running the Persyst Mobile Service application.
2. Persyst Mobile Service Application: Permission Denied exception at startup. The "netsh" command line failed. Confirm by running Persyst Mobile Service as Administrator to get around this exception.
3. Persyst Mobile Service Logs: Log files are kept at C:\ProgramData\Persyst.PSMobileService.log will record normal activity and PSMobileService.error.log will record error messages.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

13. About Page

The About page provides information on how a user can obtain product support by contacting Persyst Support. Users can access this Instructions for Use by tapping the highlighted hyperlink “Instructions for Use.”

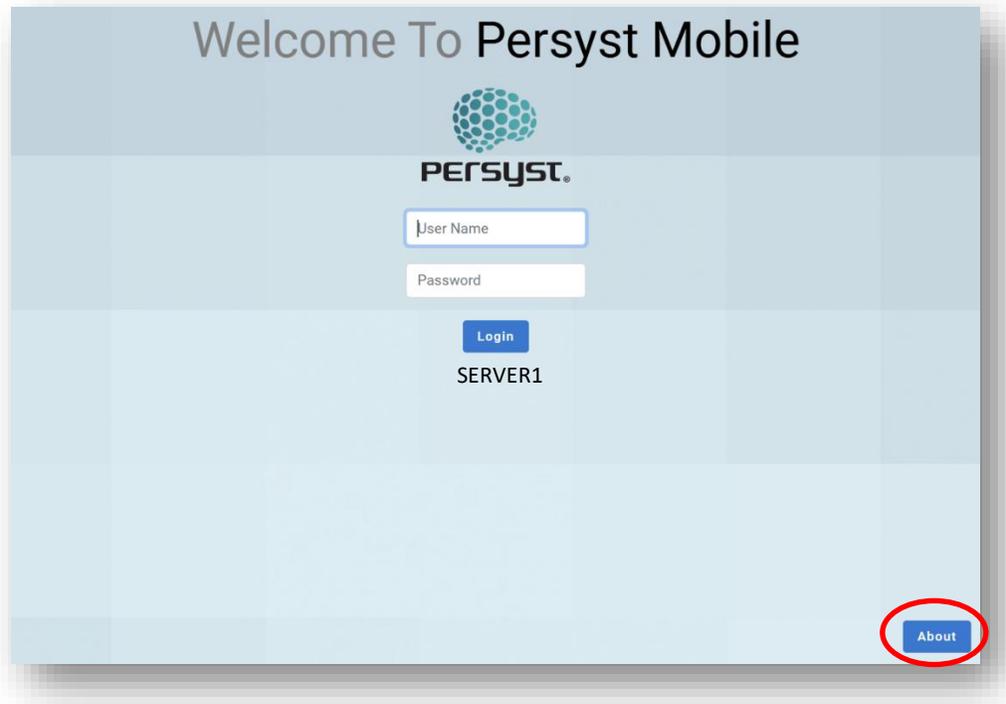
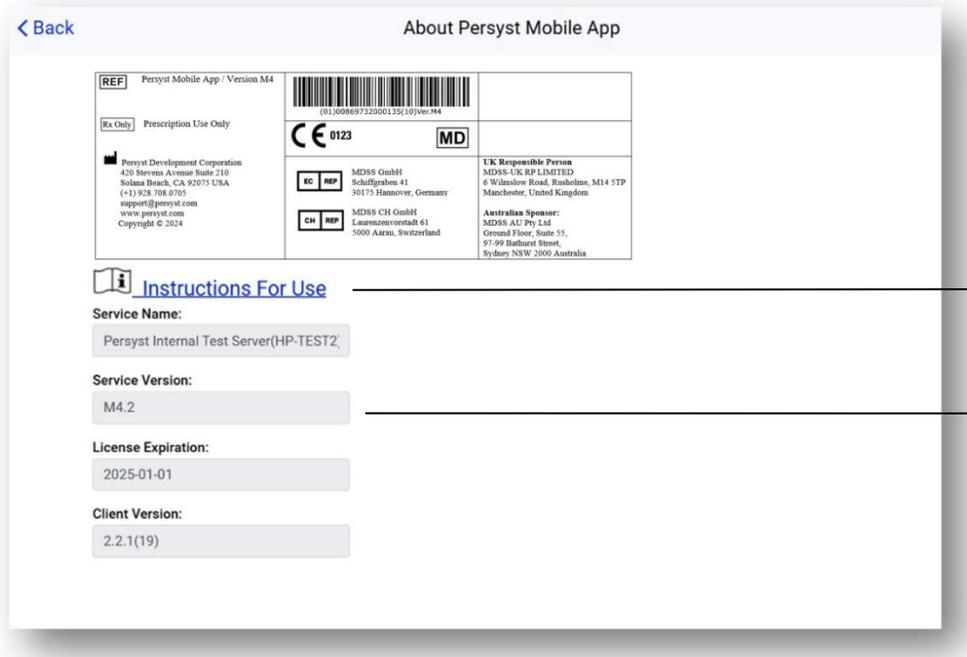


Image: Accessing About Page

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Link to Instructions for Use

Server and Client Information

Image: About Page

- *Instructions for Use:* Users can access the Instructions for Use by clicking on this hyperlink.
- *Server and Web Version Information:* This page also displays information about the versions of the web client and server application being used. This information will be important in troubleshooting any problem.

14. Login

As part of Persyst Mobile App security function, User Name and Password are required to login. The App keeps track of user access and makes this available to system administrators.

After successful login, the User is navigated to *Patient Views*.

Use iOS or Android operating lock out setting to lock the device after specific period of inactivity.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Image: Login Page

14.1 Logging Out

Once logged in, Persyst Mobile App will continue to run in the background. To log out of the Persyst Mobile App, navigate to the Patient Views home screen and select the settings (gear icon) on the top right of the page. A *Log Out* button will appear in the top right corner of the page. Press once to log out. See *Patient Views* for more information.

An Inactivity Timeout function is available and can be adjusted by the User or Admin via User Settings. See *User Settings* for more information.

15. Settings

Persyst Mobile App allows the user to customize features and settings. Shared and user-specific settings as well as default settings for Trends and EEG can be accessed via the Settings button (gear icon) in the Patient Views button bar located in the top right of the Patient Views screen. Settings are stored on the Persyst Mobile Server.

The Trend and EEG settings can also be found within the respective views in a patient record.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

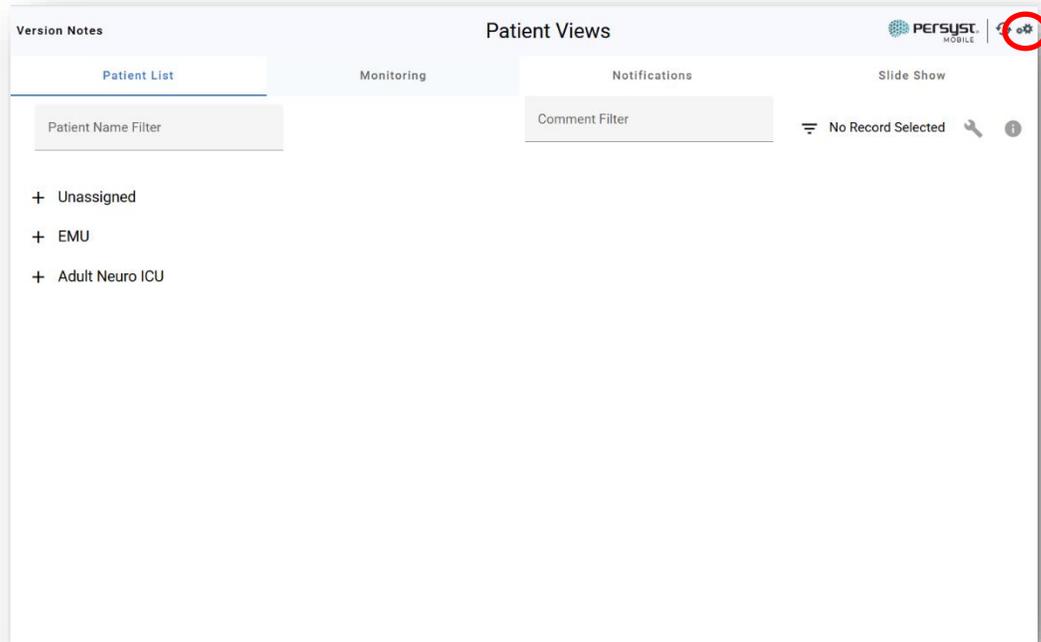


Image: Accessing Settings

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

15.1 User Settings

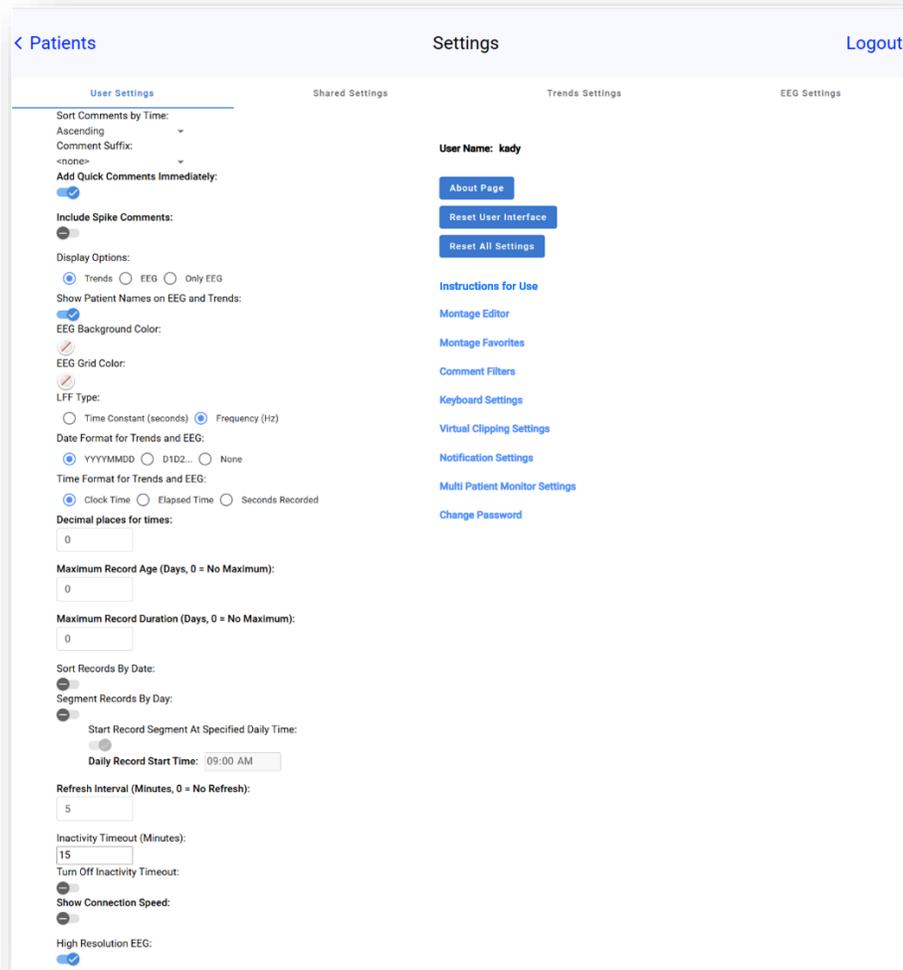


Image: User Settings (web client)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

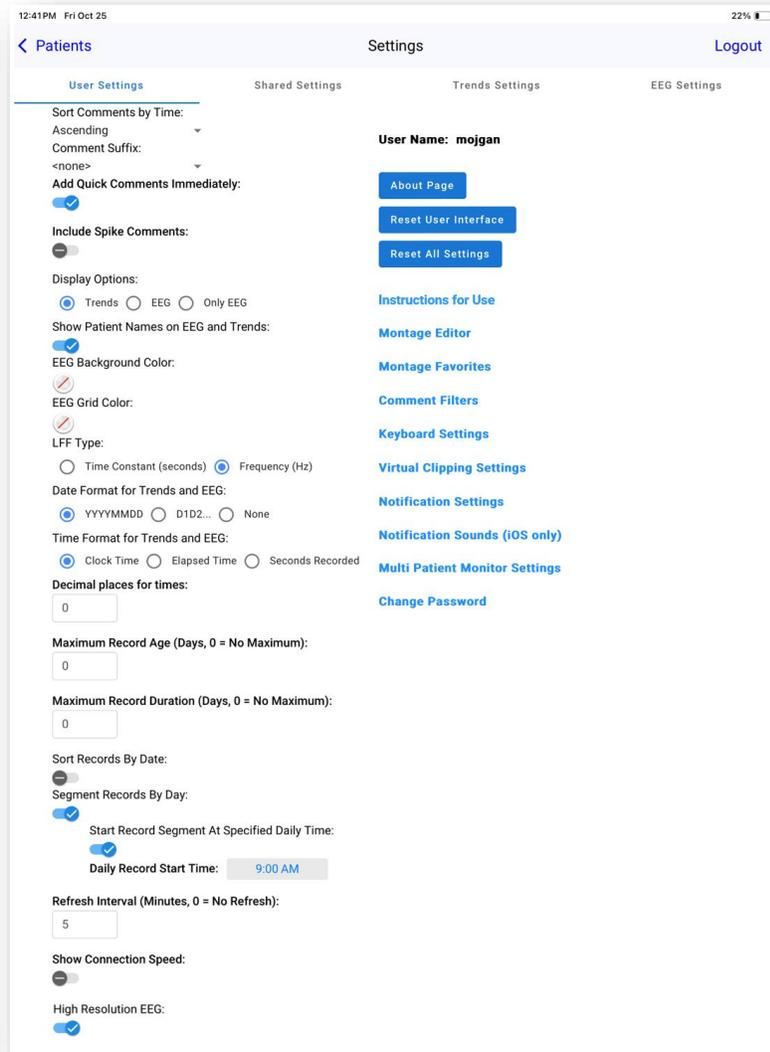


Image: User Settings (iOS)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

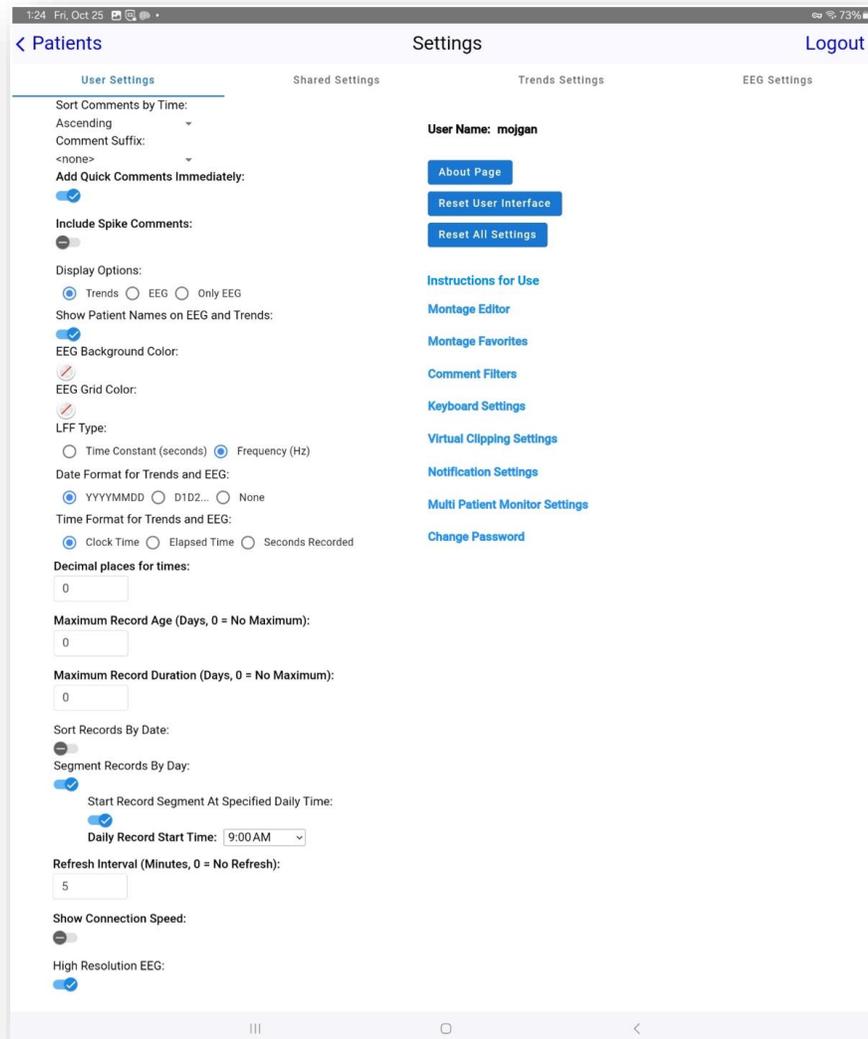


Image: User Settings (Android)

- *Sort Comments By Time:* Sorts the Comments List in ascending or descending order by clock time.
- *The Comment Suffix:* Appends the suffix of a comment entered via Comment Editor on the Persyst Mobile App for Web with “@PM”.
- *Add Quick Comments Immediately:* When this setting is off, the quick comment is brought up in the comment editor for editing. When it is on, the comment is added right away.
- *Include Spike Comments:* When this setting is on, spike comments will be included. The maximum number of included spike comments will be controlled by the server.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Display Options*: Selects the default view that is displayed when a record is opened in Patient List View.
- *Show Patient Names on EEG and Trends*: When this setting is on, patient name will be shown on the top of EEG and Trends pages.
- *EEG Background Color*: Changes the color of EEG Display background. By default, it is transparent.
- *EEG Grid Color*: Changes the color of the major and minor gridlines in EEG View. By default, they are light green.
- *LFF Type*: Select the display of the low frequency filter in the EEG View as a time constant (seconds) or a cutoff frequency (Hz).
- *Date format for Trends and EEG*: Select an absolute date, relative date, or no date.
- *Time format for Trends and EEG*: Select clock time, elapsed time, or recorded time.
- *Decimal places for times*: Select the precision with which times are displayed.
- *Maximum Record Age*: Filters the list of patients records so that only records recorded within the number of days specified will be shown. A setting of zero will show all patient records in the database.
- *Maximum Record Duration*: Truncates patient records to the final number of days specified. A setting of zero will not truncate.
- *Sort Records by Date*: Sorts the Patient List into records by date with the most recent dates at the top of the list.
- *Segment Records by Day*: This setting has no effect on records shorter than 24-hours. When this setting is on, records longer than 24-hours will be shown as multiple days in the patient list.
 - *Start Record at Specified Daily Time*: If this is off, the start time of the record will be used as the splitting time. If it is on, the "Daily Record Start Time," will be used as the splitting time.
- *Refresh Interval*: Specifies how often the server will be accessed for updated patient data. By default, it is set to refresh every 5 minutes. Note: A manual refresh can be performed at any time within Patient Views by clicking the data refresh icon in the top right button bar.
- *Inactivity Timeout (available only through web interface, iOS and Android timeout set by device)*: Logs the user out of the Persyst Mobile system and returns to the login page after the user has been inactive for the specified duration. By default, it is set to 15 minutes.
- *Turn off Inactivity Timeout (available only through web interface, iOS and Android timeout set by device)*: When turned on, disables the Inactivity Timeout feature.
- *Show Connection Speed*: This adds an indicator as to the speed with which your Persyst Client is communicating with your Persyst Server.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *High Resolution EEG*: This setting will make the EEG traces more clear on high-resolution displays
- The *Reset User Interface* Button will reset all User-customized window positionings within EEG View.
- The *Reset All Settings* Button will reset all changes made to the user's settings page, settings within the EEG View and changes to the user interface.
- *Instructions for Use*: Users can access the Instructions for Use by clicking on this hyperlink.
- *Montage Editor*: Displays the Montage Editor page from which the user can add, remove, or edit user montages. See *Montage Editor* for details.
- *Montage Favorites*: Displays the Montage Favorites page from which the user can customize the display of montages. See *Montage Favorites* for details.
- *Comment Filters*: Allow User to subset comments, detections, or events in the Comments List based on criteria defined within the filter.
- *Keyboard Settings Page*: Displays the Keyboard Settings page from which the user can customize Keyboard Shortcuts. See *Keyboard Settings* for details.
- *Virtual Clipping Settings Page*: Displays the Virtual Clipping Settings page from which the user can customize Virtual Clipping parameters. See *Virtual Clipping Settings* for details.
- *Notification Settings*: The push notifications setting determines push notifications of which patient(s) will be sent to the device.
- *Notification Sounds (iOS only)*: The notification sound setting determines the sound that will be played when a push notification is received. By default, this is the iOS default notification sound. Note that the ringer must be turned on in order for the sound to play. (Not available on Android. On Android the sound for the App notifications can be set in the OS settings.)
- *Multi Patient Monitor Settings*: This feature enables and configures a multi-patient view of trends from patients actively being recorded.
- *Change Password*: Displays the Change Password page from which the user can change their current password for accessing Persyst Mobile App. See *Change Password* for more details.

Montage Editor

Montage Editor allows the user to create User-specific montages to be displayed within EEG View for all patients accessed by the User. Montages created in Montage Editor will display (User) after the Montage Name to indicate that the montage is User-specific and not accessible across Users on the Persyst Mobile Server.

To create and edit Patient-specific montages, see *Edit Montage (EEG View)*. Montages created and edited within the EEG View will be available only for that specific patient and will be appended with the word "(Patient)." Patient-Specific montages are accessible across Users on the Persyst Mobile Server.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

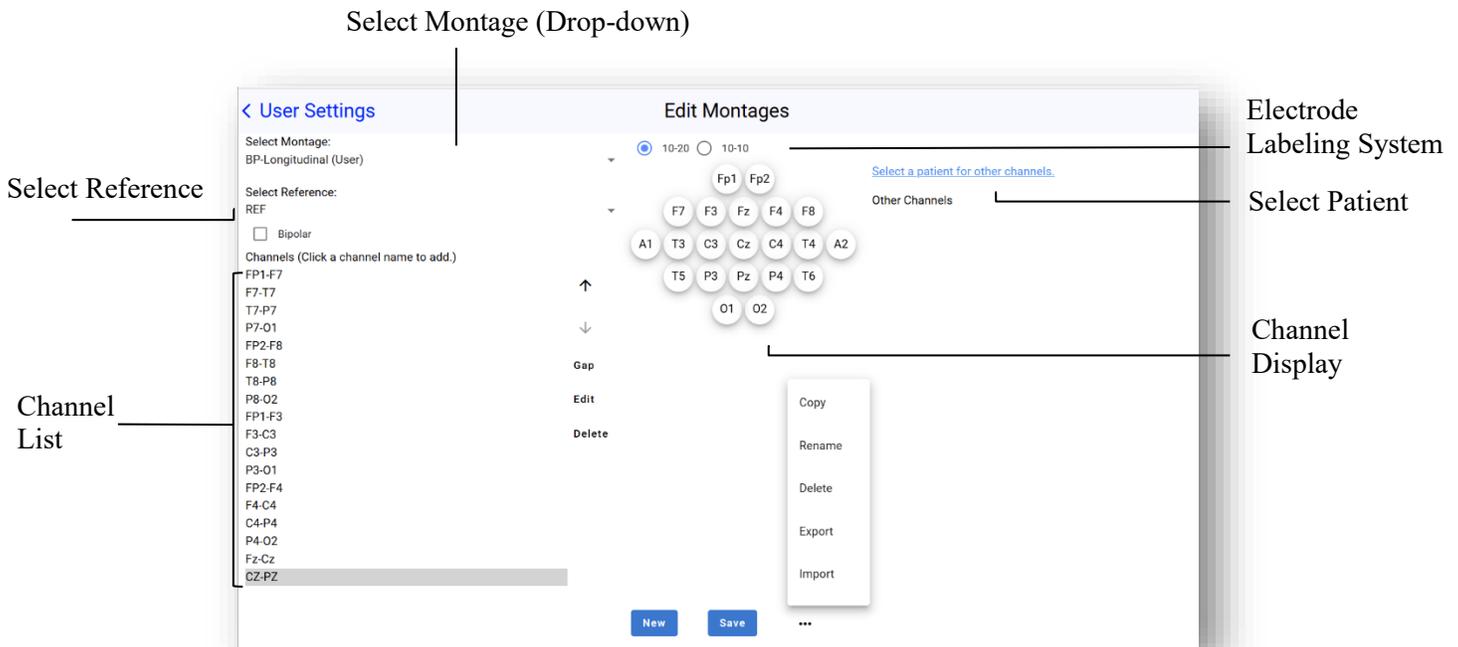


Image: Montage Editor

- **Select Montage:** Select a montage from the dropdown menu. Shared montages are not editable but can be duplicated for editing by tapping the “Copy” button at the bottom of the page.
- **Bipolar:** When selected, allows the user to create a bipolar montage. Selecting channels from the channel display in sequential order will create the bipolar channel that will appear under Channels.
- **Channels:** The navigation keys on the right side of the channel list allow the user to move a selected channel up the list (↑), down the list (↓), add a gap (space) below the selected channel, edit the selected channel settings (See *Edit Channel*), or delete a selected channel.
- **Select Reference:** Select a reference to be applied to the montage channels.
- **Edit Average References:** Modify or create new average references.
- **Electrode Labeling System:** Selects the electrode labeling system to be applied to the montage.
- **Select Patient:** To display channels that are not seen in the default 10-10 or 10-20 labeling systems, Users can select a patient record that contains the other channels. Channels appearing in the record that are not visible in the default channel selections will be displayed as a list underneath Other Channels and can be selected for the montage.
- **New:** Creates a new montage.
- **Copy:** Copies the selected montage for editing. Shared montages will automatically create a copy and append the name of the montage with (copy).

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Rename*: Rename the currently selected montage. Shared montages cannot be renamed.
- *Delete*: Deletes the montage currently being edited. Shared montages cannot be deleted.
- *Export*: Export the montage for use in Persyst Mobile (.pjm)
- *Import*: Import a montage file (.pjm)
- *Save*: Saves the montage currently being edited.

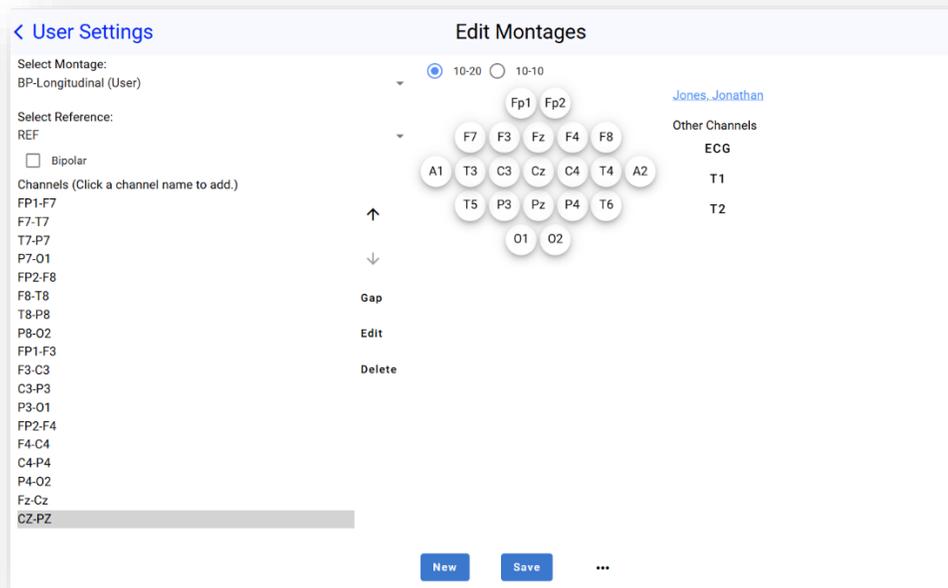


Image: Montage Editor with Patient Selected

Average References for a montage can be created, edited, or deleted, by selecting “Edit Average References” from the Montage Editor page. Changes to the Average Reference are limited to the User-specific montage that is being edited. Tap to select an Average Reference from the list or tap the plus (+) sign to create a new Average Reference.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Manage Average
References

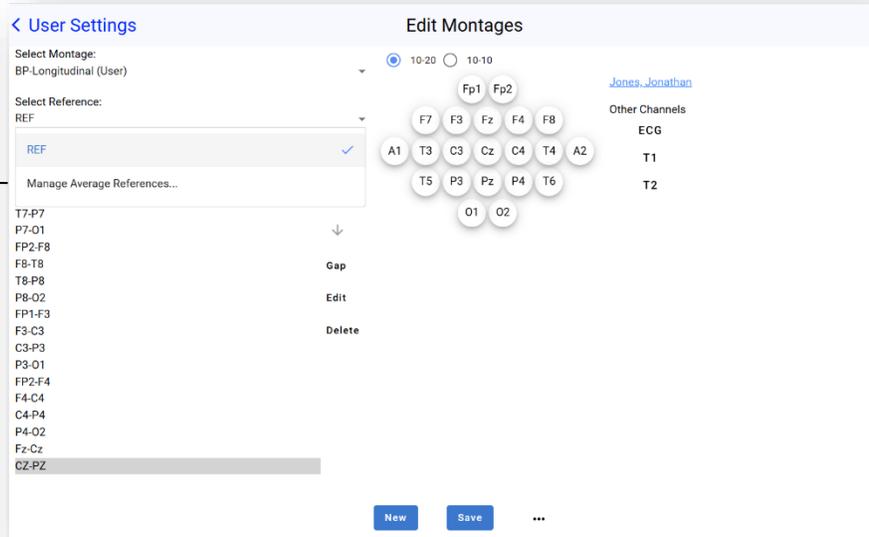


Image: Manage Average Reference (Montage Editor)

- *Average References:* Tap to select an average reference dropdown for editing, copying, renaming, or deletion.
- *Edit:* Tap to select an Average Reference for deletion. Tapping “edit” displays a red minus “-“ sign before the Average References in the list. Tapping the minus sign will delete the Average Reference.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

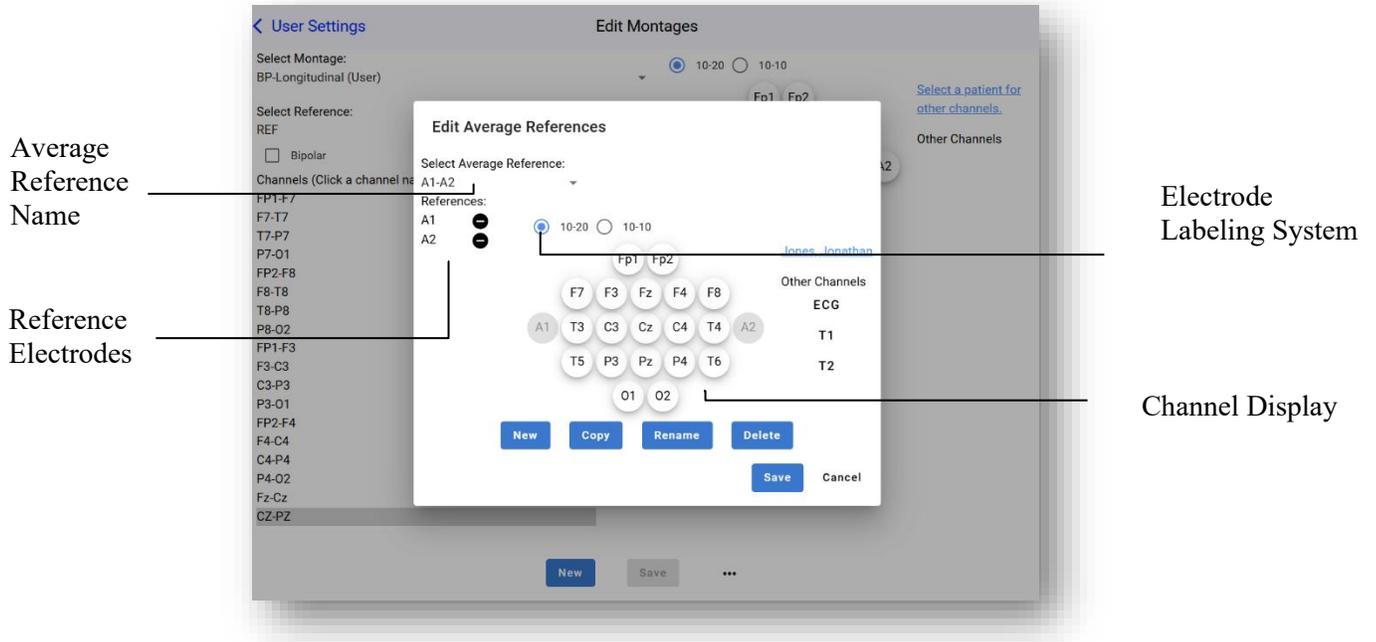


Image: Edit Average Reference – Selected Reference (Montage Editor)

- *Average Reference Name:* Tap to edit the Average Reference Name.
- *Reference Electrodes:* Displays a list of electrodes selected for Average Reference. Tap the minus “-“ symbol to the right of the electrode to remove from the Average Reference.
- *Electrode Labeling System:* Selects the electrode labeling system seen in the channel display.
- *Channel Display:* Displays a map of available electrodes to be selected for the average reference. Click once on an electrode to select it for the Average Reference.

Electrodes displayed in the Channel Display are controlled by the Electrode Labeling System selection.

- *Other Channels:* If a patient record is selected and the record contains electrodes outside of the selected Electrode Labeling System, they will be displayed to the right of the Channel Display. These channels can be selected for the reference.

Channels can be edited within Montage Editor. Tap on a channel from the Channel List and select the “Edit” button to the right of the list. A new window will be displayed, allowing the user to make channel-specific setting changes.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

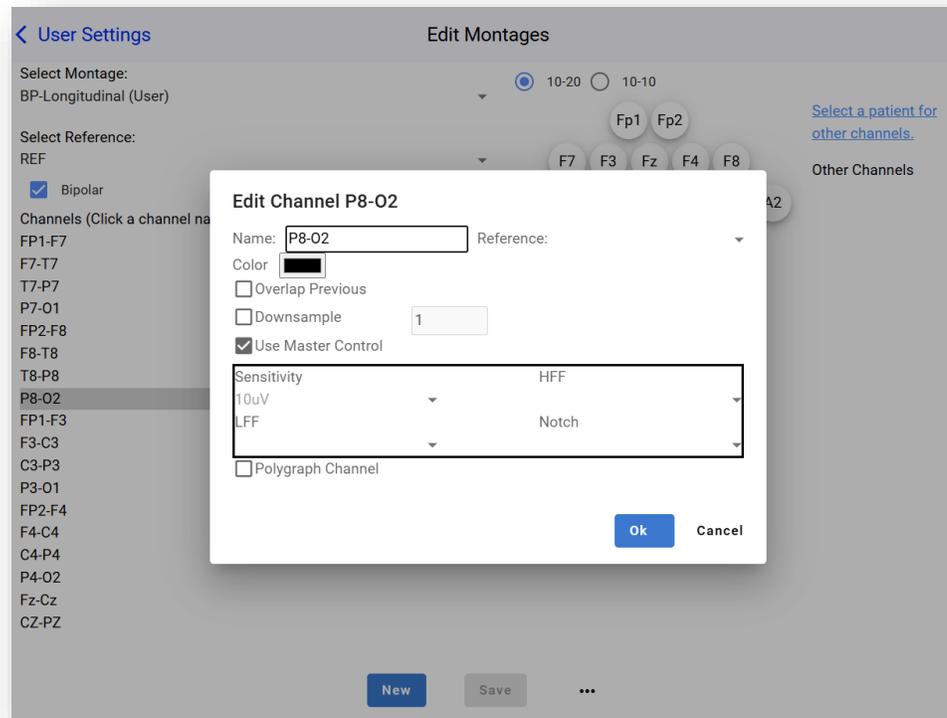


Image: Edit Channel (Montage Editor)

- **Name:** Type to select a custom name for the selected channel. By default, name will be the channel label for an individual channel or channels within a bipolar montage.
- **Color:** Selects the waveform color for the channel.
- **Overlap Previous:** Select to overlap the channel waveform with the channel waveform immediately above in the montage.
- **Downsample:** Select to reduce the frequency at which Persyst analysis tools will analyze the channel. Downsample value is set at 256.
- **Use Master Control:** Select to allow master control of the channel using the settings within the EEG View waveform settings. Deselect to apply channel-specific settings for Sensitivity, HFF, LFF, and Notch.
- **Polygraph Channel:** Select to indicate that the selected channel is a polygraph channel. If selected, additional settings for polygraph channels will appear below this field.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

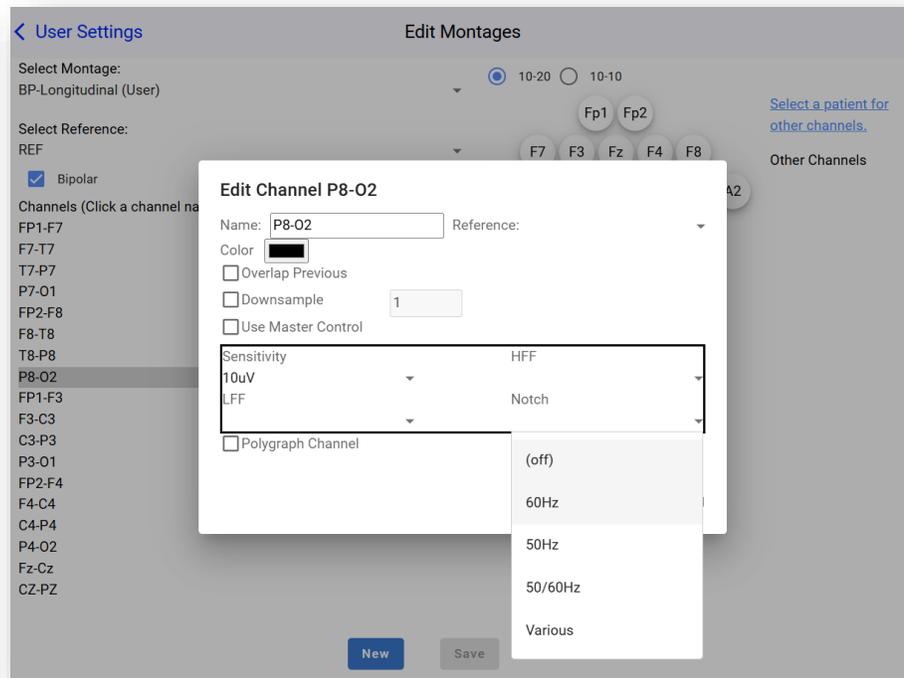


Image: Edit Channel with “Use Master Control” option de-selected (Montage Editor)

- **Sensitivity:** Select from the dropdown the sensitivity for the selected channel in microvolts. This channel-specific setting is only available when Use Master Control is deselected.
- **HFF:** Select from the dropdown a high frequency filter (HFF) to be applied to the selected channel. This channel-specific setting is only available when Use Master Control is deselected.
- **LFF:** Select from the dropdown a low frequency filter (LFF) to be applied to the selected channel. This channel-specific setting is only available when Use Master Control is deselected.
- **Notch:** Select from the dropdown a notch filter to be applied to the selected channel. This channel-specific setting is only available when Use Master Control is deselected.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

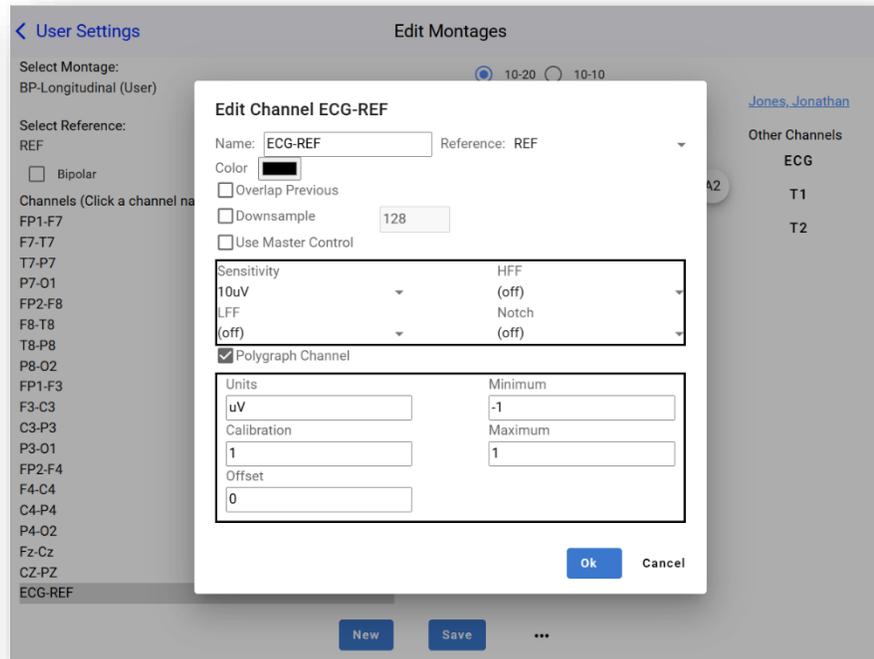


Image: Edit Channel with Polygraph Channel (Montage Editor)

- **Units:** Type free text into this field to indicate the units of the selected polygraph channel. Default is microvolts. This channel-specific setting is only available when the Polygraph Channel option is selected.
- **Calibration:** Selects a calibration setting for the selected polygraph channel. This channel-specific setting is only available when the Polygraph Channel option is selected.
- **Offset:** Selects an offset for the selected polygraph channel. This channel-specific setting is only available when the Polygraph Channel option is selected.
- **Minimum:** Applies a minimum value for the selected polygraph channel. This channel-specific setting is only available when the Polygraph Channel option is selected.
- **Maximum:** Applies a maximum value for the selected polygraph channel. This channel-specific setting is only available when the Polygraph Channel option is selected.

Montage Favorites

Montage Favorites allows the user to select a subset of montages that will be available during EEG review. The montage list in Montage Favorites includes shared montages that are pulled from the Persyst Desktop Client on the Persyst Mobile Server.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

The order of the montages selected for display within EEG View will control the order of which they appear in the QuickMontages menu.

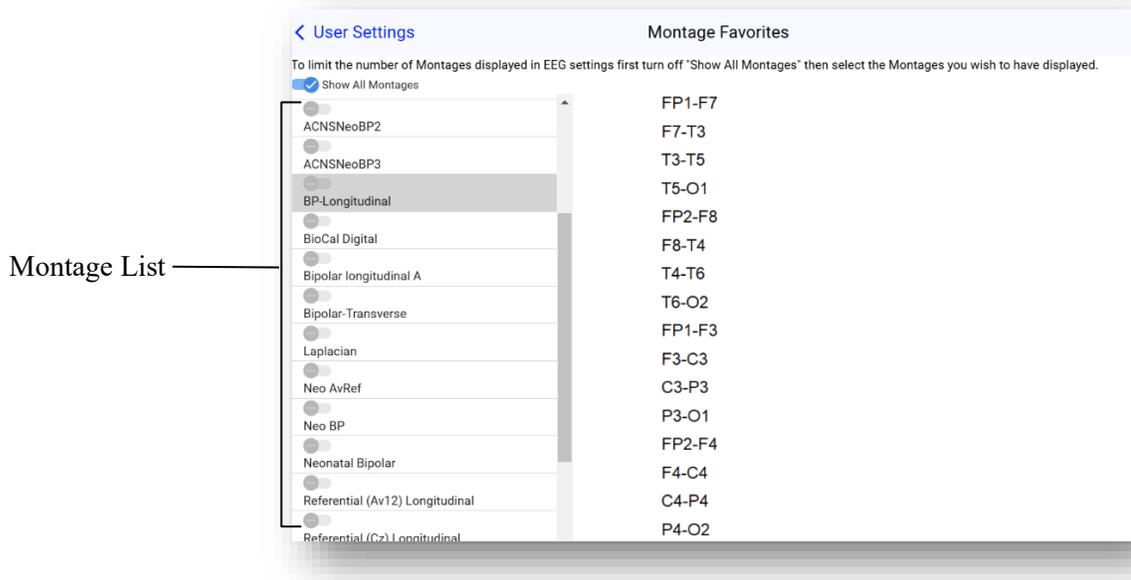


Image: Montage Settings

- *Show All Montages*: When toggled on, displays all available montages in the drop-down selection within EEG View waveform settings. Toggle off to select individual montages.
- *Montage Preview*: Selecting the montage name will display a preview of the montage configuration on the right-hand side of the page.
- *Montage List*: All available montages will be seen in this list.

User Comment Filters

Filters allow the User to subset comments, detections, or events in the Comments List based on criteria defined within the filter. User Filters are filters specific to the current User. User Filters cannot be viewed or modified by other Users on the Persyst Mobile Server.

To edit a User Filter, tap once on the Filter name. To delete a User Filter, tap on the red minus sign to the left of the Filter Name. Create a new User Filter by selecting the plus sign (+) in the top right corner of the Filters menu.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

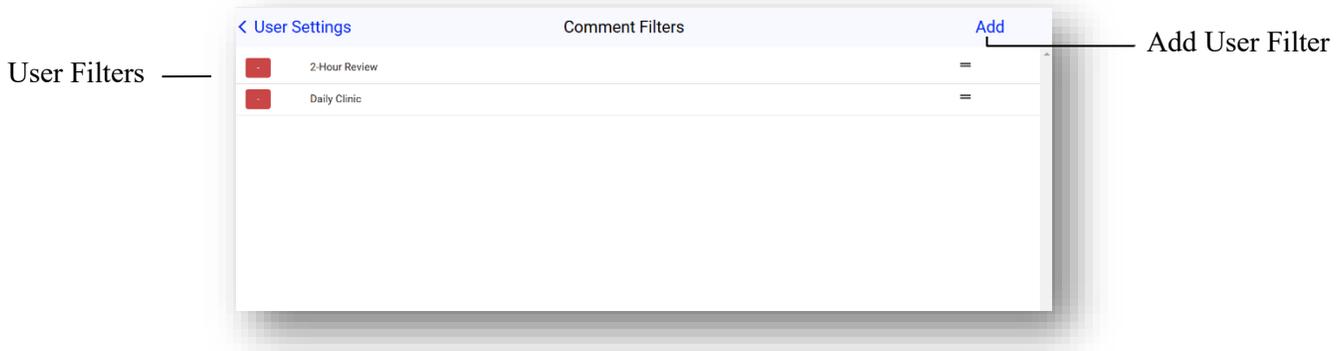


Image: Edit Comment Filters

- **Add User Filter:** Add a new User Filter. The User will be brought to the Edit Filter page.
- **User Filter:** User Filters are filters specific to the current User. User Filters cannot be viewed or modified by other Users on the Persyst Mobile Server.

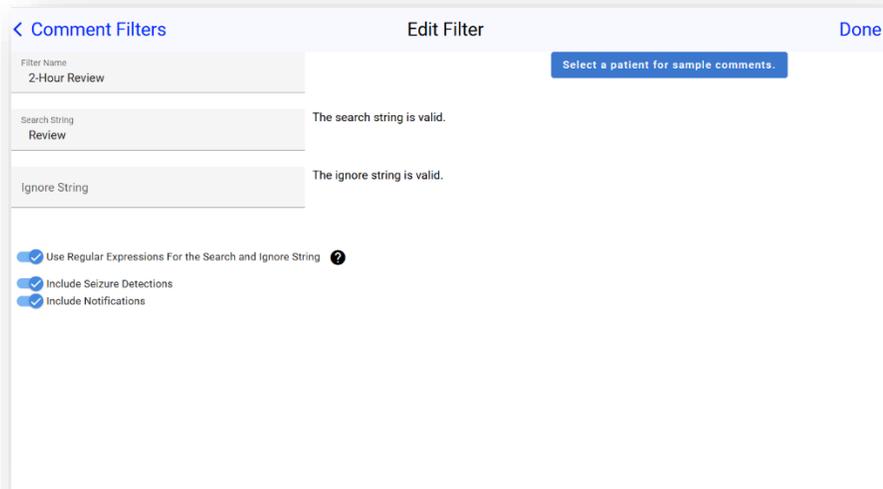


Image: Add/Edit Filter (Edit User Filters)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

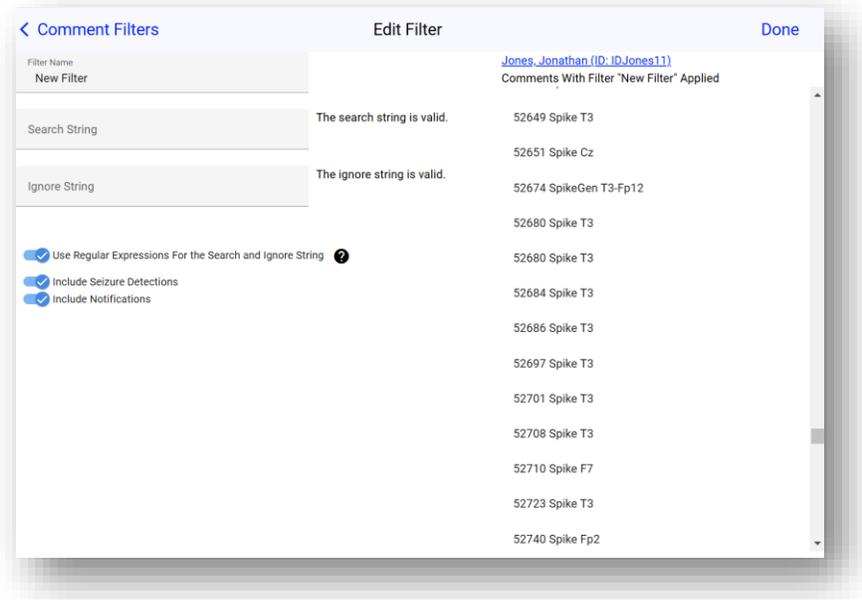


Image: Add/Edit Filter with Patient selected for Sample Comments

- *Filter Name:* Add or edit a name for the Filter to be displayed in the filter list.
- *Search String:* Enter the desired Search String as a combination of text, numbers, or symbols. Search String is case-sensitive. Comments, detections, or events that contain the search string will be included when the filter is applied. Regular Expressions can be used when a simple string match is not sufficient. To use Regular Expressions, select “Use Regular Expressions.”
- *Ignore String:* Enter the desired Ignore String as a combination of text, numbers, or symbols. Ignore String is case-sensitive. Comments, detections, or events that contain the ignore string will be excluded. Regular Expressions can be used when a string match is not sufficient. To use Regular Expressions, select “Use Regular Expressions.”
- *Use Regular Expressions:* When selected, Search String and Ignore String will allow the use of Regular Expressions.
- *Seizures:* When selected, all seizure detections will be included regardless of the search string or ignore string.
- *Notifications:* When selected, all notification events will be included regardless of the search string or ignore string.
- *Select Patient for Sample Comments:* Tap to select from a list of Patients. The Comments List for the selected patient will appear in the field below, providing reference comments that may be used while creating a Filter.
- Select “Done” to save changes.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Keyboard Settings

Note: Keyboard functionality is only available if the iOS or Android device has a keyboard attached.

The Keyboard Settings page allows the user to create and modify User-specific keyboard shortcuts used during review. Keyboard Shortcuts are specific to View or Page (i.e. Trend View, EEG View, Comment Editor), as identified above the Command and Keyboard Shortcut list. Scroll down the Keyboard Settings Page to display more Views and Pages and their respective commands and keyboard shortcuts.

To change a Keyboard Shortcut, select the Command, which will highlight in blue, and then press the keyboard combination you wish to use. If a keyboard shortcut is already in use for a specified Page, a notification will appear. If successfully changed, the new keyboard shortcut will appear to the right of the command. Changes save automatically.

Reset to Defaults button clears customized keyboard shortcuts and returns to the keyboard shortcuts to default settings.

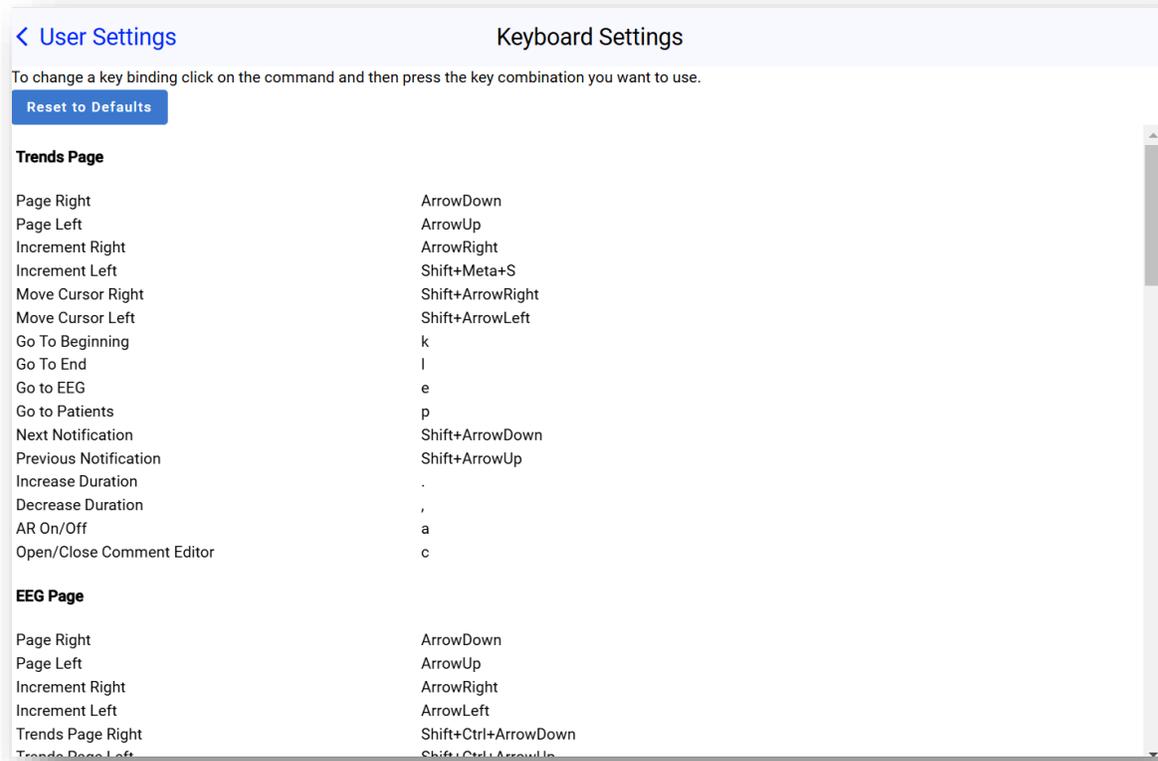


Image: Keyboard Settings

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Virtual Clipping Settings

The Virtual Clipping Settings allows the user to specify parameters used when the Virtual Clipping (VC) button is turned “On” in EEG View.

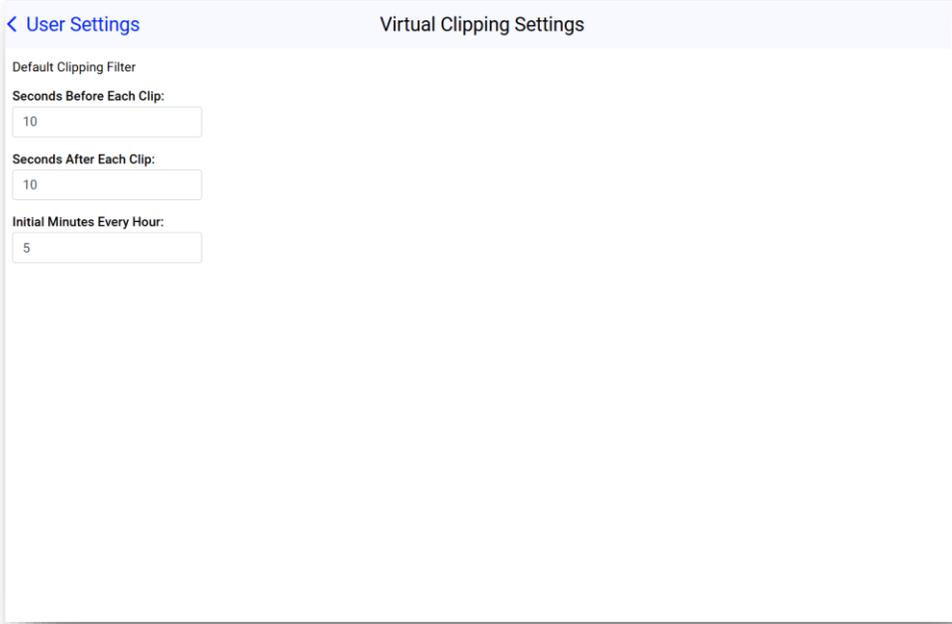
The Clipping Filter subsets comments, detections, or events based on criteria defined within the filter. Filters can be User-specific or Shared. Users specify which data is to be displayed by selecting a Clipping Filter. The filter will be used to select portions of the EEG that will be displayed based on comments that match the filter. Tap the Filter to change the Clipping Filter.

Seconds before and after each clip determines how much time before and after the comment selected by the selected filter will be displayed.

Initial minutes every hour selects how much time will be included at the start of each hour of the recording.

Add or modify filters by navigating to *Edit Shared Comment Filters* or *Edit User Comment Filters* within the User Settings window.

Default Filters (Notification and Clipping) cannot be changed by the user.



< User Settings Virtual Clipping Settings

Default Clipping Filter

Seconds Before Each Clip:

Seconds After Each Clip:

Initial Minutes Every Hour:

Image: Virtual Clipping Settings

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

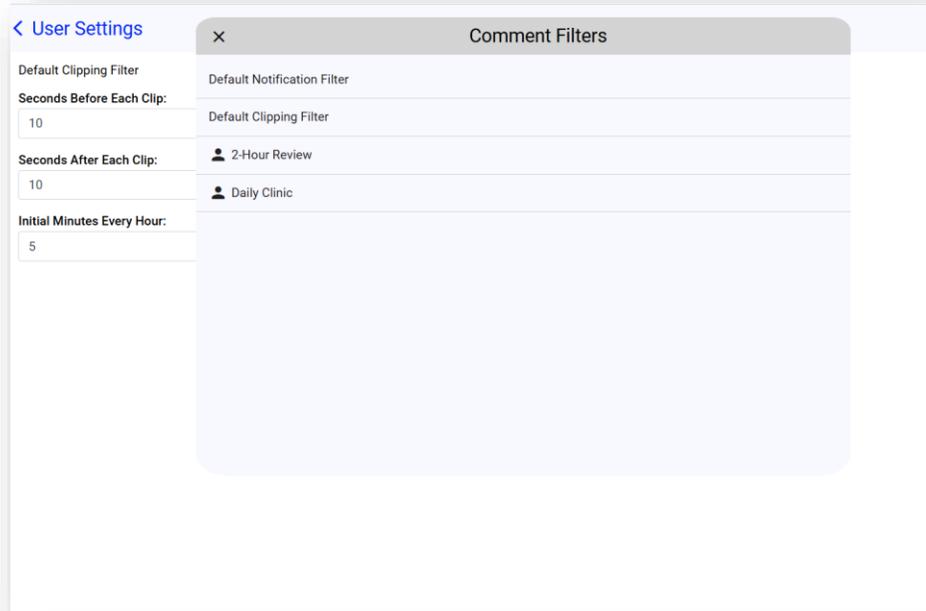


Image: Virtual Clipping Filter Selection

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Notification Settings

If “Selected Patients” has been selected for Push Notifications on the *User Settings* page, an alarm button will appear to the right of the patient’s name in Patient List View. Tapping once on the alarm will toggle push notifications on or off for that patient.

When a Unit is toggled On, the patients will maintain their individual status (on or off) as they are added or removed from the unit. For example, if a patient has notifications turned off and they are moved from one unit to another, their notification status will remain off.

When a new patient is added to a unit their status will default to the Unit’s notification status.

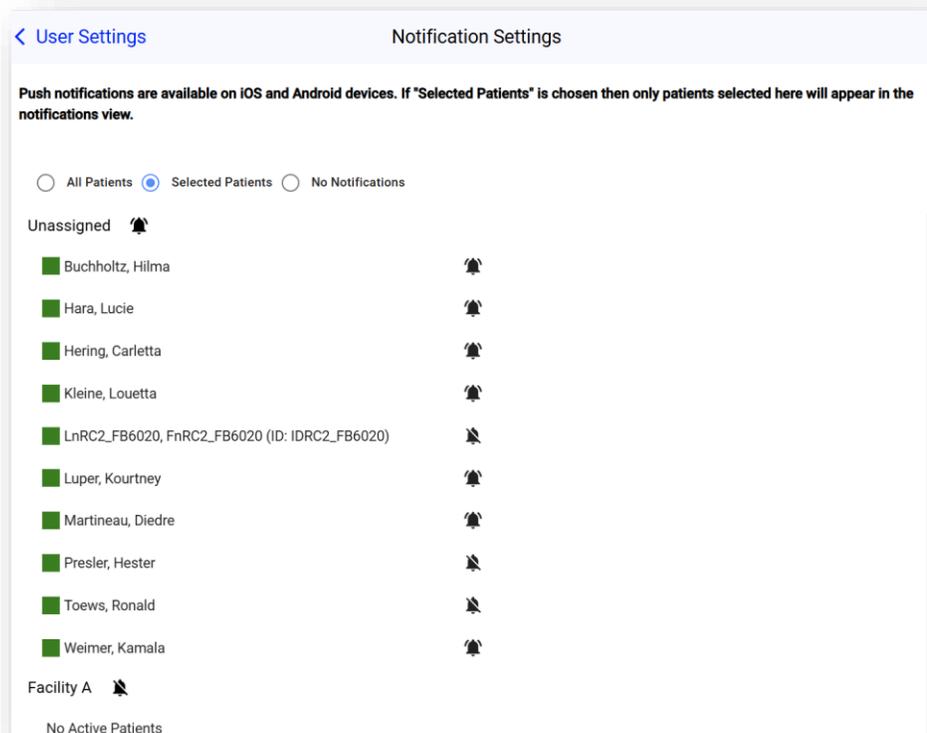
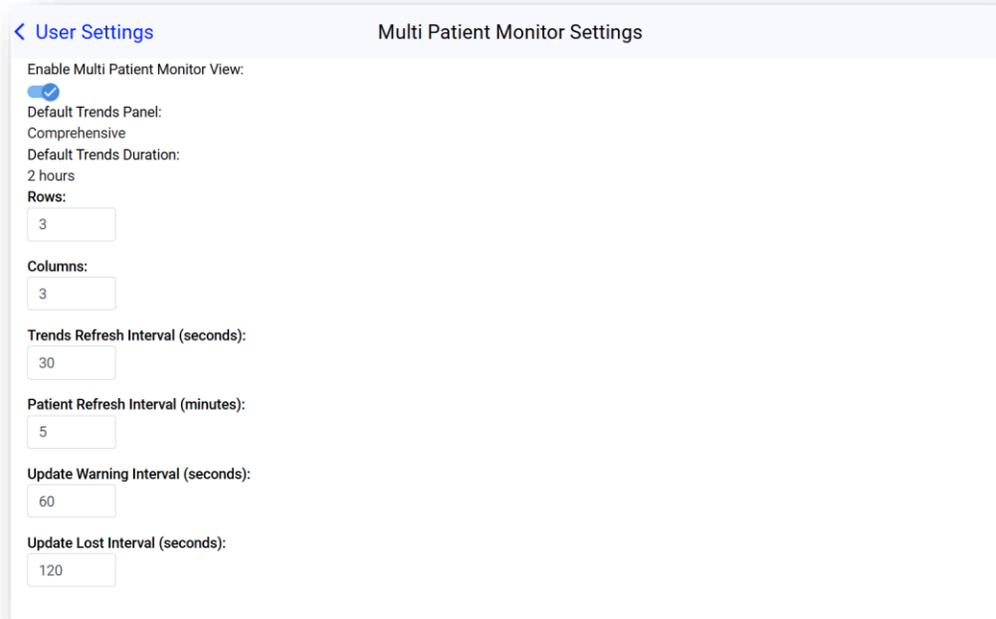


Image: Notification Settings

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Multi Patient Monitor Settings

This feature enables and configures a multi-patient view of trends from patients actively being recorded.



< User Settings Multi Patient Monitor Settings

Enable Multi Patient Monitor View:

Default Trends Panel:
Comprehensive

Default Trends Duration:
2 hours

Rows:

Columns:

Trends Refresh Interval (seconds):

Patient Refresh Interval (minutes):

Update Warning Interval (seconds):

Update Lost Interval (seconds):

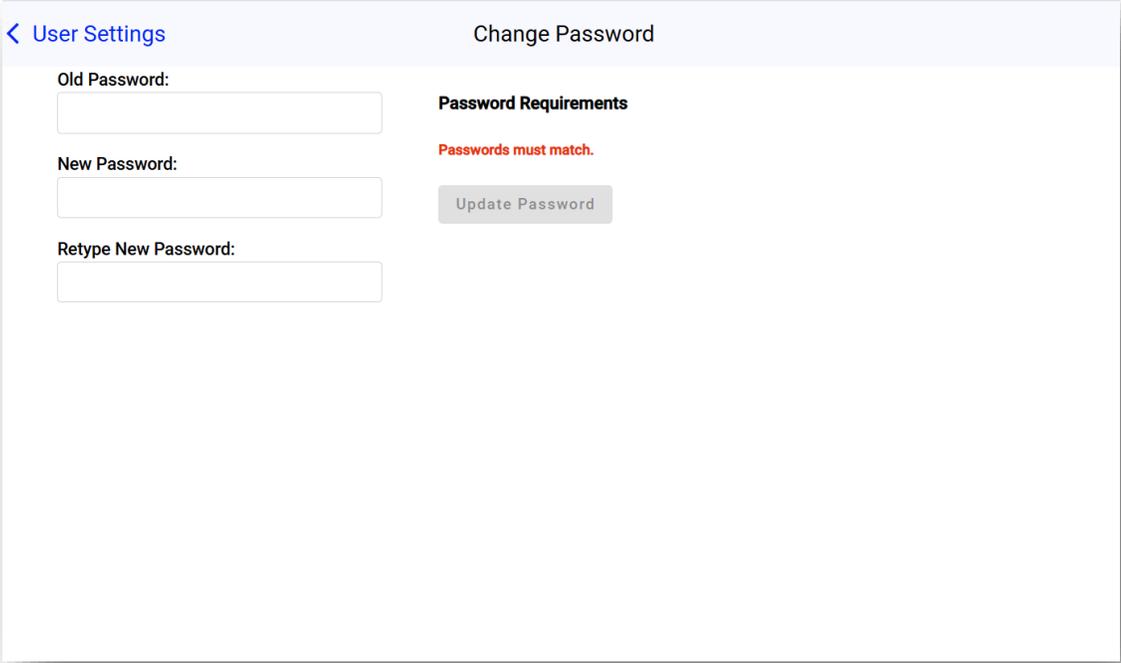
Image: Multi Patient Monitor settings view

- *Enable Multi Patient Monitor View:* toggles this capability on and off
- *Default Trends Panel:* Select a specific pre-defined trend panel as a default for all patients.
- *Default Trends Duration:* This dropdown specifies the time window shown for each patient.
- *Rows and Columns:* This specifies the grid size used for trends. 3x3 is usually the largest this should be set unless the page is being displayed on a very large monitor.
- *Trends Refresh Interval (seconds):* This is the number of seconds between refresh of the trends for each patient.
- *Patient Refresh Interval (minutes):* This specifies how frequently the service should look for new patients.
- *Update Warning Interval (seconds):* When the data is older than the specified Warning Interval, the header for the Patient's Square will turn yellow.
- *Update Lost Interval (seconds):* When the data is older than the specified Lost Interval, the header for the Patient's square will turn red.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Change Password

The Change Password page allows the user to change the current password for accessing Persyst Mobile App. This setting is only available if local passwords are being used.



< User Settings Change Password

Old Password:

New Password:

Retype New Password:

Password Requirements
Passwords must match.

Update Password

Image: Change Password

- *Old Password:* The user's current password is typed into the *Old Password* field.
- *New Password/Retype New Password:* Select a New Password by entering text into the *New Password* field and retype the selected new password into the *Retype Password* field. Passwords must match to be updated.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

15.2 Shared Settings

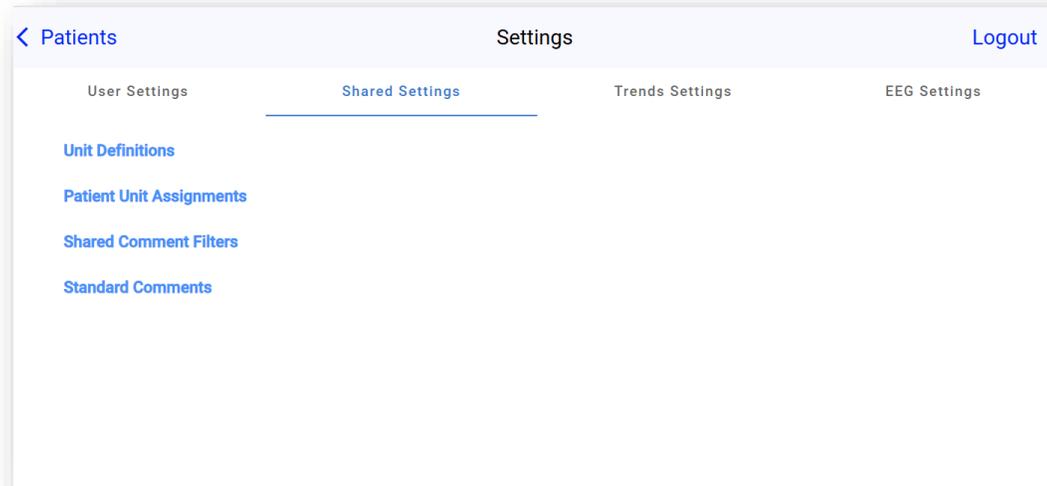


Image: Shared Settings

Unit Definitions

Units Editor allows the User to add or modify the Units to which patients can be assigned. Changes to Unit definitions are saved and displayed across all Users on the Persyst Mobile Server.

Note that if multiple Units are defined on a server, patients will be organized by Unit within Patient List View and Patient Monitoring View.



Image: Units Editor

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Units:*
 - Tapping on a Unit name allows the user to edit the selected Unit Name and Description.
 - Rearrange Unit Names by tapping and dragging on the equal sign to the right of the Unit Name. This arrangement will be reflected in the Units Editor menu.
 - Remove a Unit by tapping once on the red minus sign to the left of the Unit.
- *Add Unit:* Add a new Unit to the Unit list. Type the Unit Name and Unit Description in the text fields, as indicated.

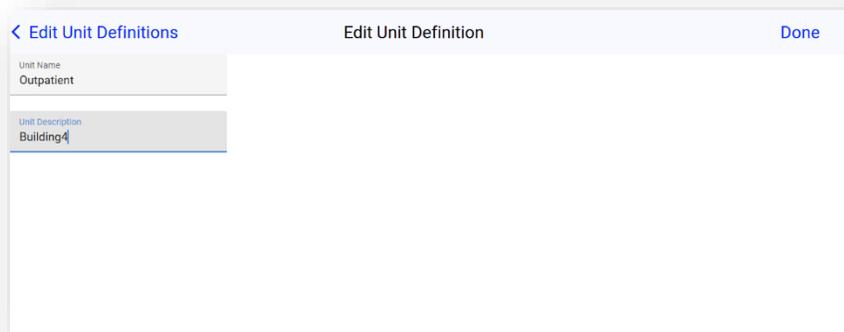


Image: Units Editor – Add a Unit

Patient Unit Assignments

The Patient Unit Assignments page allows Users to assign an individual patient to a Unit or modify patient unit assignment. Once a patient has been assigned to a Unit, the patient record will be grouped within that Unit, organized within Patient Views. If a patient has not yet been assigned to a Unit, the patient record will be grouped within “Unassigned.”

To view only unassigned patients, toggle on “Only Show Unassigned Patients” at the top of the screen.

Unit Definitions can be modified, deleted, or added, by navigating to *Units Editor* within Settings.

If a patient is assigned to a Unit in the Persyst Database it will supersede any changes in the Persyst Mobile App. If a patient does not have a unit assigned in the database, the unit defined in the Persyst Mobile Patient Unit Assignments page will be used.

If unit in database exists, it takes precedence over the Persyst Mobile assignment. Otherwise, the one from Persyst Mobile will be used.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

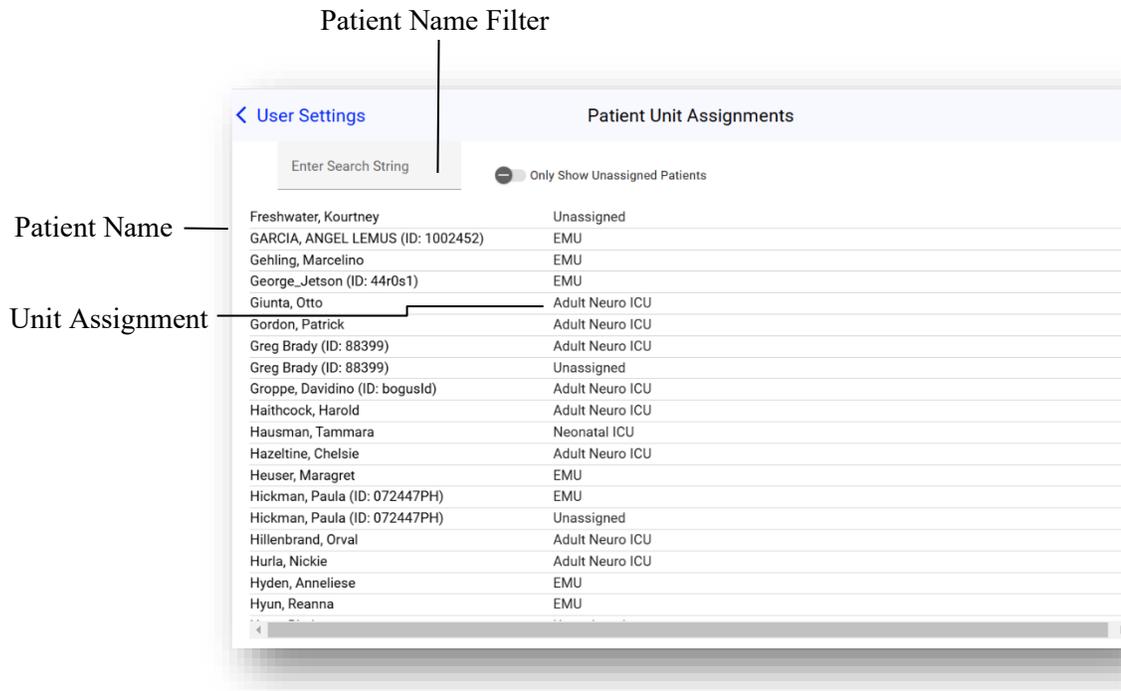


Image: Patient Unit Assignments

- *Patient Name Filter:* Search for a specific patient by name or record number by typing into the field.
- *Only Show Unassigned Patients:* Toggle on to only display patients that have not yet been assigned to a Unit.
- *Patient Names:* Displays the patient's name (Last Name, First Name).
- *Unit Assignment:* Unit Assignment for a specified patient can be selected by scrolling through the list of Units. To add or edit Units, refer to *Unit Editor*.

Edit Shared Comment Filters

Filters allow the User to subset comments, detections, or events in the Comments List based on criteria defined within the filter. Shared Comment Filters are shared between all Users on the Persyst Mobile Server and can be created or modified within the Edit Shared Filters page. Access to these settings are controlled by administrative privileges.

Modifications to Shared Comment Filters will affect all Users on the Persyst Mobile Server.

Shared Comment Filters can be removed by pressing the red minus sign icon that appears to the left of the Filter Name. Tap once on the Filter Name to view the Edit Filter page for the selected Filter.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

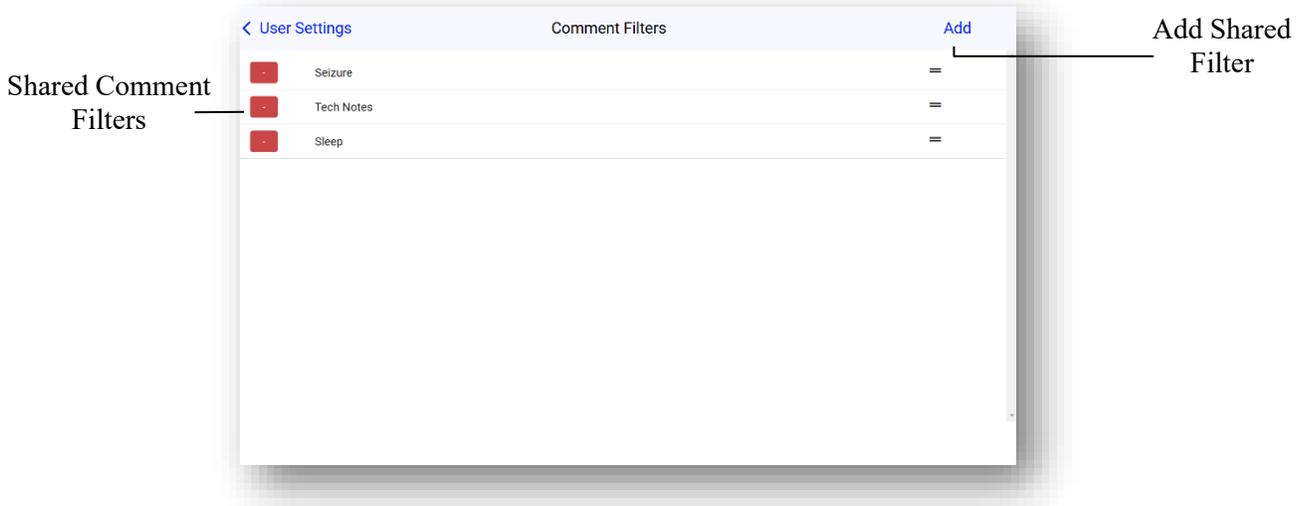


Image: Edit Shared Filters

- *Add Shared Comment Filter:* Tap ‘Add’ to add a new Shared Filter. The User will be brought to the Edit Filter page.
- *Shared Comment Filter:* Shared Filters are filters that are shared between all users on the Persyst Mobile Server.

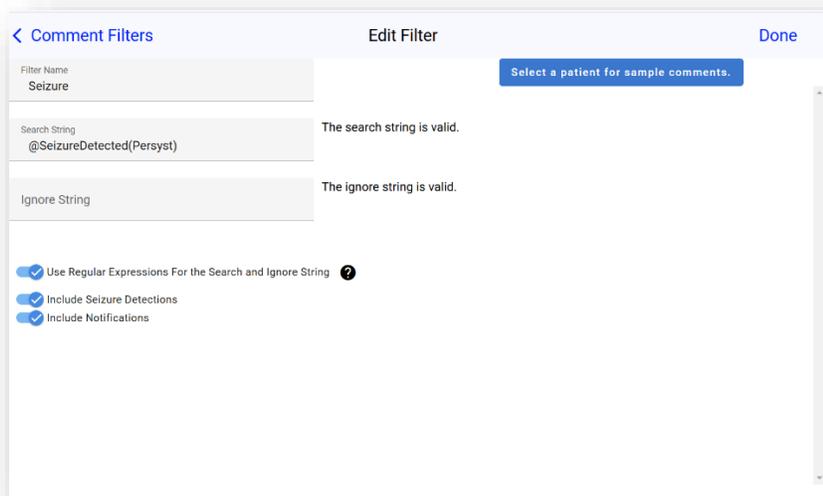


Image: Add/Edit Filter (Edit Shared Filters)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

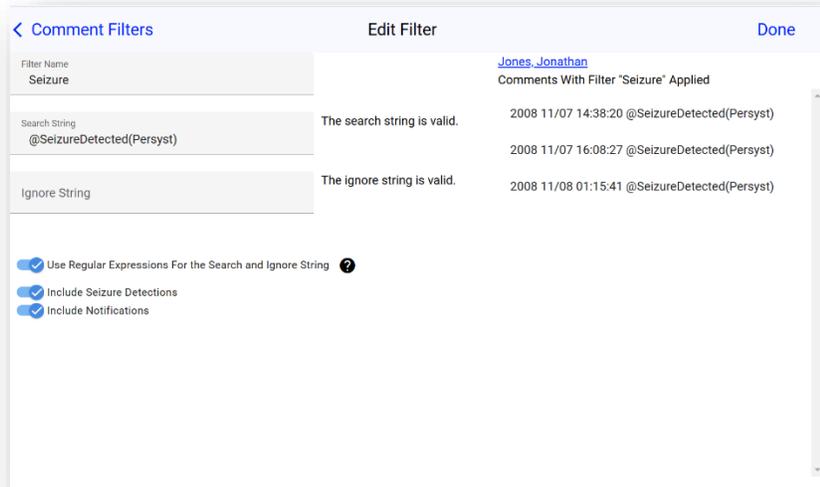


Image: Add/Edit Filter with Patient selected for Sample Comments

- **Filter Name:** Add or edit a name for the Filter to be displayed in the filter list.
- **Search String:** Enter the desired Search String as a combination of text, numbers, or symbols. Search String is case-sensitive. Comments, detections, or events that contain the search string will be included when the filter is applied. Regular Expressions can be used when a simple string match is not sufficient. To use Regular Expressions, select “Use Regular Expressions.”
- **Ignore String:** Enter the desired Ignore String as a combination of text, numbers, or symbols. Ignore String is case-sensitive. Comments, detections, or events that contain the ignore string will be excluded. Regular Expressions can be used when a string match is not sufficient. To use Regular Expressions, select “Use Regular Expressions.”
- **Use Regular Expressions:** When selected, Search String and Ignore String will allow the use of Regular Expressions.
- **Seizures:** When selected, all seizure detections will be included regardless of the search string or ignore string.
- **Notifications:** When selected, all notification events will be included regardless of the search string or ignore string.
- **Select Patient for Sample Comments:** Tap to select from a list of Patients. The Comments List for the selected patient will appear in the field below, providing reference comments that may be used while creating a Filter.
- Select “Done” to save changes.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Standard Comments

Note: Users must have a keyboard to access this feature.

The Standard Comments Page allows the user to edit and create User-defined comment keyboard shortcuts for reviewing a patient record in EEG View.

Standard Comments are initiated by using the numeric keys 1 through 9 on the keyboard or by pressing “q” on the keyboard to display the Standard Comment list. QuickComments are User-specific and will not appear across Users on the Persyst Mobile Server.

The positioning of the Standard Comment within Standard Comments List determines the numeric key (1 through 9) command.

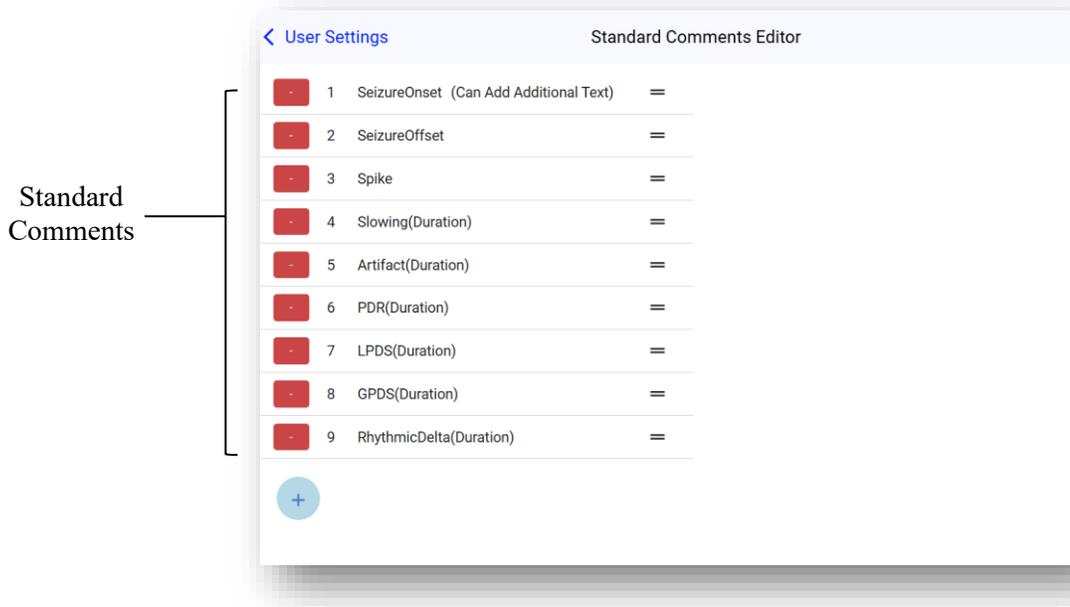


Image: Standard Comments

- **Standard Comments:** Standard comments are pre-defined comments that can be added via keyboard shortcuts during EEG review.
- **Add (+):** Select to create a new Standard Comment.
- **Edit:** When Edit is selected, the User can edit a Standard Comment or reposition it within the Standard Comments List.
- To edit a comment, tap once on the Standard Comment.
- To reposition a comment, tap and drag the equal sign to the right of the Standard Comment
- To delete a comment, tap once on the red minus sign to the left of the Standard Comment.
- Select “Done” to save changes.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

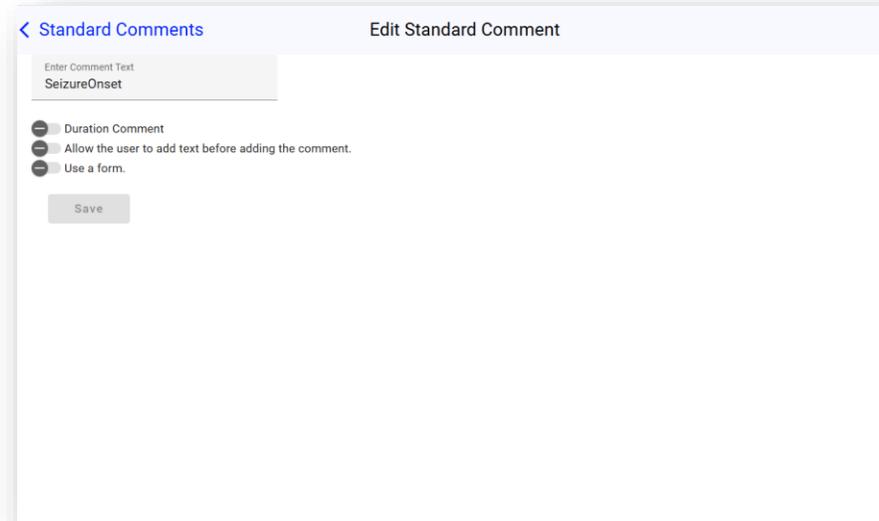


Image: Edit a Comment (Standard Comments Editor)

- *Comment Text:* Type a comment to add as a Standard Comment.
- *Duration:* Toggle on to create a Standard Comment with a duration. Comments with duration will require a start time and an end time.
- *Allow user to add text:* Toggle on to allow the user to add free text after the comment text
- *Use a Form:* Use a form to specify additional input fields for this comment. A form will add a drop-down menu in the comment editor for this comment and allow the user to select additional input. Write the content for the form in JSON

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

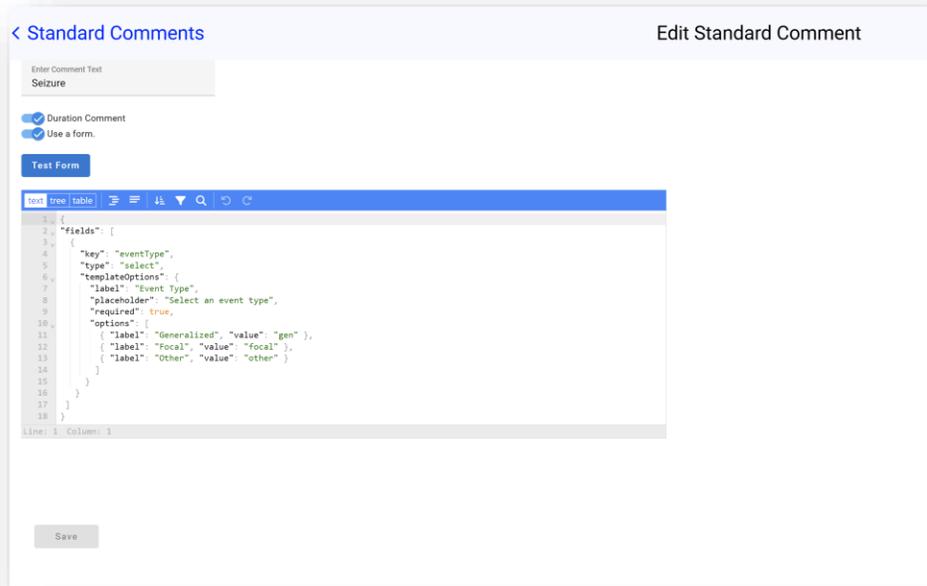


Image: Standard Comments Editor using a Form



Image: Comment Editor window with Comment using a Form

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

15.3 Trends Settings

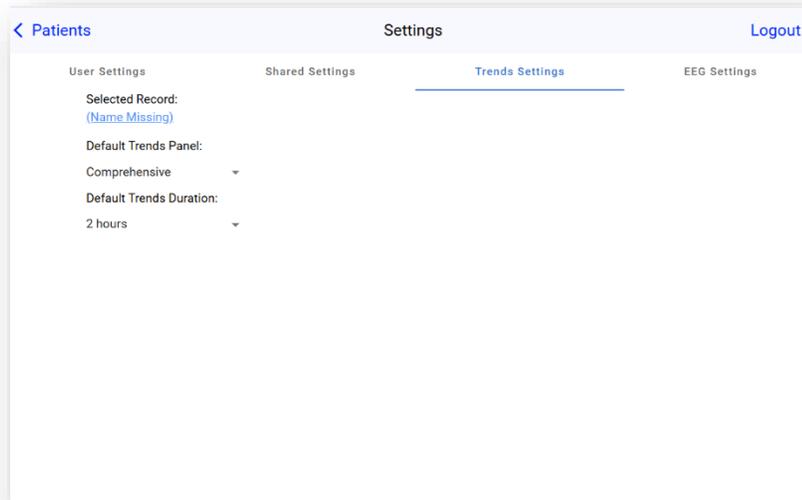


Image: Trends Settings

- *Selected Record:* Selects a record
- *Default Trends Panel:* Selects the default panel of Trends to be displayed when viewing a patient record.
- *Default Trends Duration:* Selects the default amount of time represented by the horizontal axis when viewing a patient record.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

15.4 EEG Settings

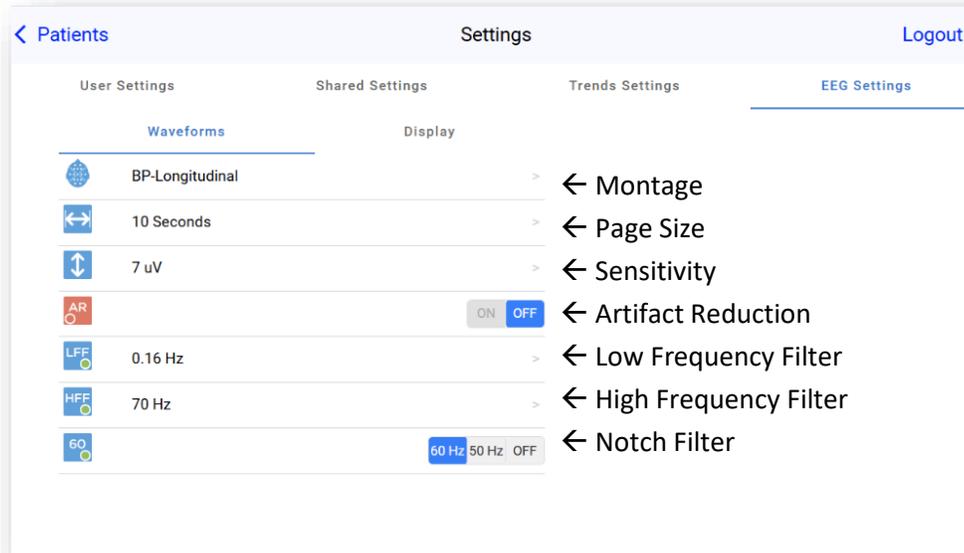


Image: EEG Settings – Waveforms

- **Montage:** Selects the desired montage (channel set) to be displayed. Montages can be added, deleted, and modified with EEG View or Settings. See *Edit Montage (EEG View)* and *Montage Editor (Settings)* for more detail.
- **Page Size:** Selects the desired number of seconds per page to be displayed within one page of the EEG Display.
- **Sensitivity:** Selects the vertical scale for the display of voltage within each channel.
- **Artifact Reduction:** Applies Artifact Reduction to the displayed EEG waveforms. When Artifact Reduction is toggled “on”, the original unfiltered EEG waveforms, seen as light gray, are displayed with the filtered EEG waveforms.
- **Low Frequency Filter:** Selects the value, as time constant, of the Low Frequency Filter (LFF) that is applied to the EEG before it is displayed.
- **High Frequency Filter:** Selects the value of the High Frequency Filter (HFF) that is applied to the EEG before it is displayed.
- **Notch Filter:** Selects where the Notch Filter is turned on. The value of the Notch Filter can be set to 60 Hz or 50 Hz.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

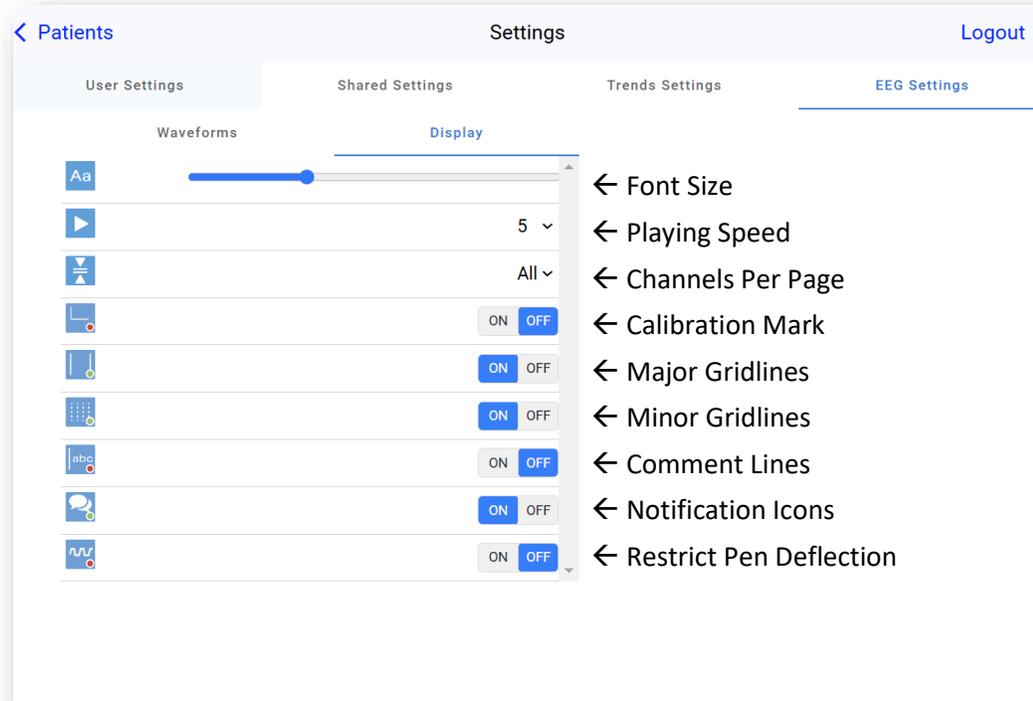


Image: EEG Settings - Display

- *Font size:* Change the font size of all text displayed within EEG View.
- *Playing Speed:* Adjusts the paging speed, in pages per second, of the automatic EEG playback.
- *Channels Per Page:* Selects the desired number of channels per page to be displayed vertically within one page of the EEG Display.
- *Calibration Mark:* When turned on, displays an EEG ruler at the bottom right of the page. This ruler can be moved around the EEG display by clicking and dragging.
- *Major Gridlines:* Select to display major gridlines on the EEG Display, drawn every 1 second.
- *Minor Gridlines:* Select to display minor gridlines on the EEG Display, drawn every 200 milliseconds.
- *Comment Lines:* Select to display vertical lines that indicate the time of a comment on the EEG display.
- *Notification icon:* Turns on or off the speech icon that appears above the navigation bar for selected notifications within the currently opened record.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Restrict Pen Deflection*: Select to limit waveform excursion to the vertical width of each channel. If this option is not selected, then waveforms can traverse the entire vertical range of the waveform display.

16. Patient Views

There are multiple Patient Views for accessing records: *Patient List*, *Patient Monitoring View*, *Notifications View*, *Slideshow View*, and an optional *Multi-patient Monitor View*. The active view will have a blue font color. The first page seen upon login will be the Patient List View.

Each view provides different functionality and workflow for reviewing actively recording or previously recorded patient records. Records that are displayed in these views are pulled from the local HDO server, as set up on the local Persyst Mobile Server.

16.1 Patient List View

Patient List View displays a list of all patient recordings accessible by the Persyst Mobile Server, active or previously recorded.

The list of available patient recordings is displayed on the left side of the window, sorted in alphabetical order by Patient Name and grouped by Unit. Units can be collapsed or expanded. Navigate to a patient by scrolling down the patient list or typing a name into the Patient Name Filter. Active recordings, which are recordings currently being acquired or that have completed acquisition within the last 10 minutes, will display a green square ■ to the left of the patient name.

Selecting a patient displays a list of the record comments in the right-hand window. Selecting a comment will open the patient record with the time cursor centered on the selected comment. Search comments by typing in the Comment Filter text box. Pre-defined comment filters can be selected by tapping on the book symbol.

In the iOS and Android interface, if “Selected Patients” has been selected for Push Notifications within User Settings, an alarm button will appear to the right of the patient name in Patient List View. Selecting the alarm will toggle push notifications on or off for that patient. Note that Push Notifications are not currently supported through the web interface.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

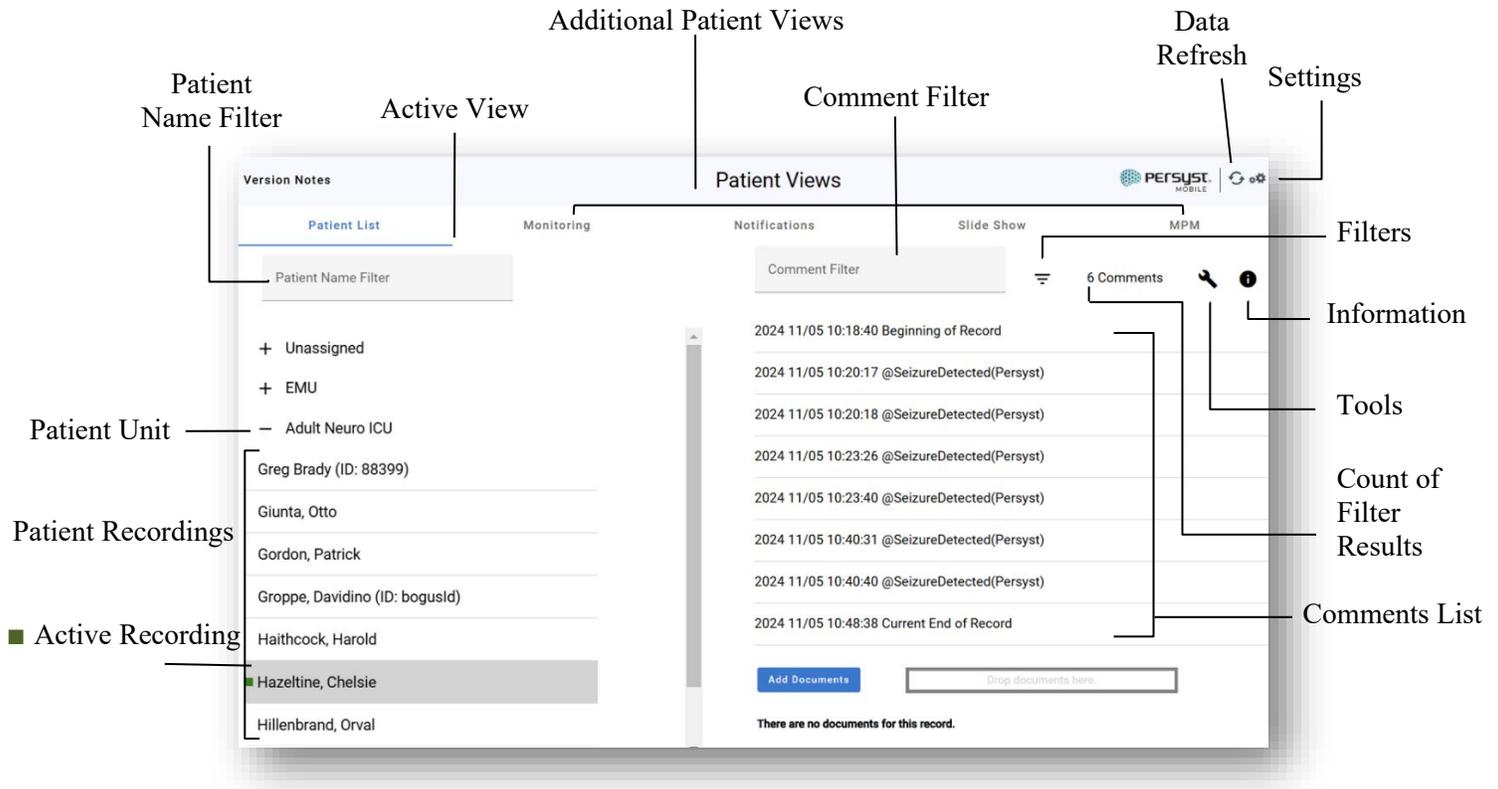


Image: Patient List View with Push Notifications selected

- **Active View:** The active view is the current window being displayed. The active view selected will appear in blue.
- **Additional Patient Views:** There are four Patient Views for accessing records: *Patient List, Patient Monitoring View, Notifications View, Slideshow View, and optional Multi-patient Monitor View.*
- **Patient recordings:** A list of all patient recordings that are accessible via Persyst Mobile are displayed. Patient recordings are organized by Last Name (A to Z) and grouped by Unit. Scroll down this window to navigate. Selecting a patient name will bring up the comments and any attached documents from that patient record on the right side of the page.
 - **Active Recording:** Records actively being recorded, or that have completed recording within the past 10 minutes, are indicated with a green square to the left of patient name.
- **Patient Name Filter:** The list of patients can be filtered by Patient Name by typing text into the Patient Name Filter field.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Patient Unit:* Patients can be organized by Unit. Units can be expanded or collapsed within the display by selecting the carrot symbol.

Patient Units are defined and managed within the Units Editor page in *Settings*.

Patient Unit Assignments are managed via the *Patient Unit Assignments* page in *Settings*.

- *Comment List:* Displays the comments of the selected EEG record. Comments are sorted in ascending or descending order by clock time, as specified within Settings. Scroll down this window to navigate the comments.

Comments can be filtered using the Comment Filter or pre-defined Filters.

Selecting a comment will load the patient record with the cursor centered at that comment.

- *Comment Filter:* Search for a comment or filter comments within the Comment List by entering free text into the Comment Filter field. Beginning of Record and End of Record annotations will always be displayed. The total count of results from the filter will be presented to the right of the filter icon.
- *Filters:* Opens the Filters window, which allows the user to apply pre-defined filters to the comment list.
- *Tools: Menu for additional tools Event Density and Comment Export.*
- *Record Information:* Displays patient information and record information such as Station, StudyID, Memos, Physician, Reader, Status, Technician, and Unit.
- *Add documents:* Select Add Documents to add a file from your device to the patient record. Uploaded files are stored on your local EEG file server with the accompanying patient EEG record. A documents list will be visible in the selected patient record and editable by all users. If no documents are attached to the record, the dialogue, "There are no documents for this patient," will be displayed. This feature is optional and controlled by the Mobile Server.
- *Data Refresh:* The Data Refresh button manually initiates a refresh of the data that is accessed from your local HDO server. Data refresh is set by default to automatically initiate every 5 minutes. This setting can be changed in *User Settings*.
- *Settings:* Navigates to the Settings Page.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

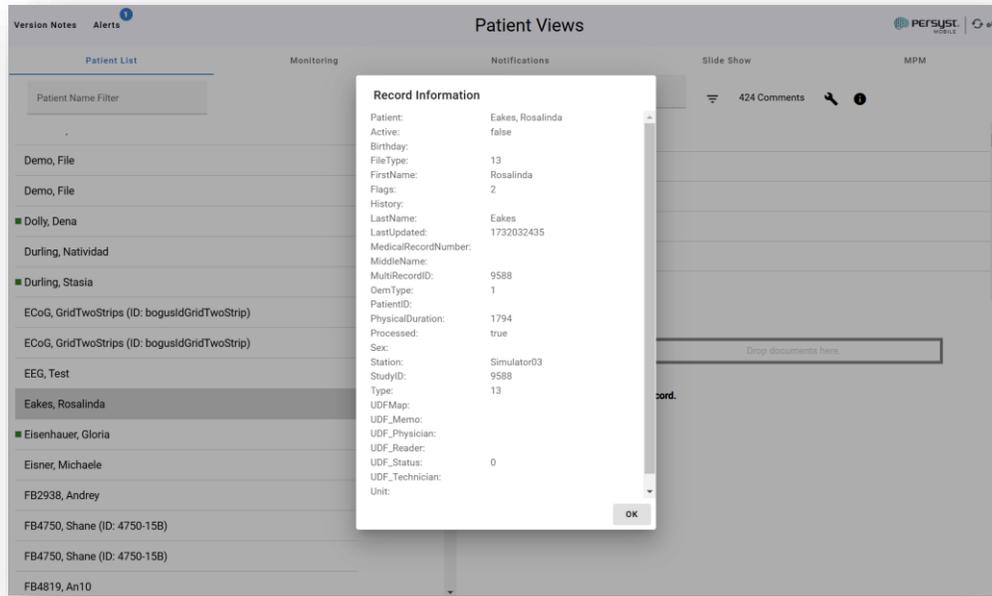


Image: Record Information Window

Tools (Patient List View)

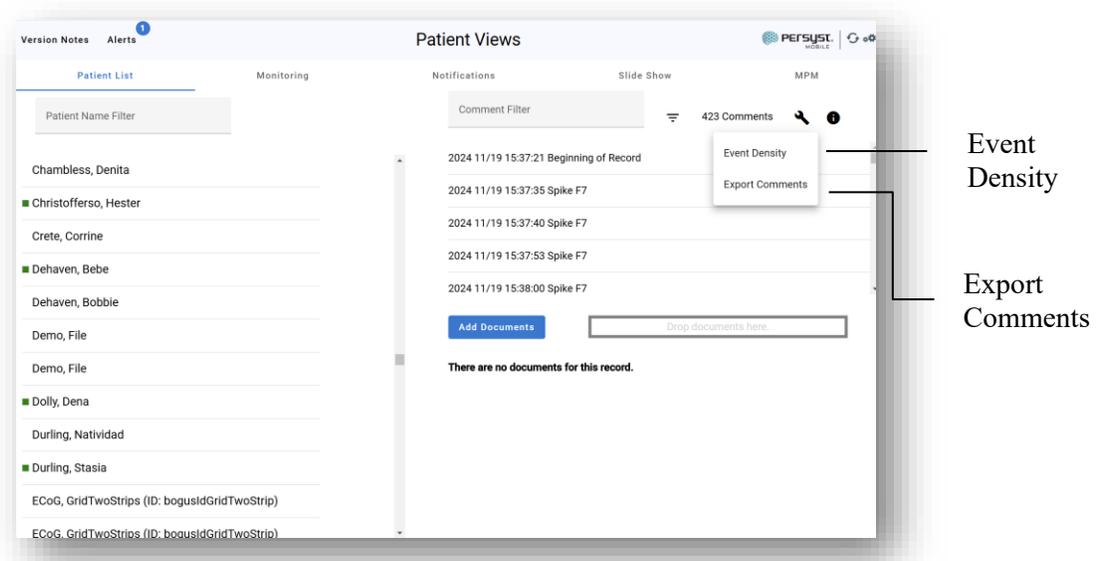


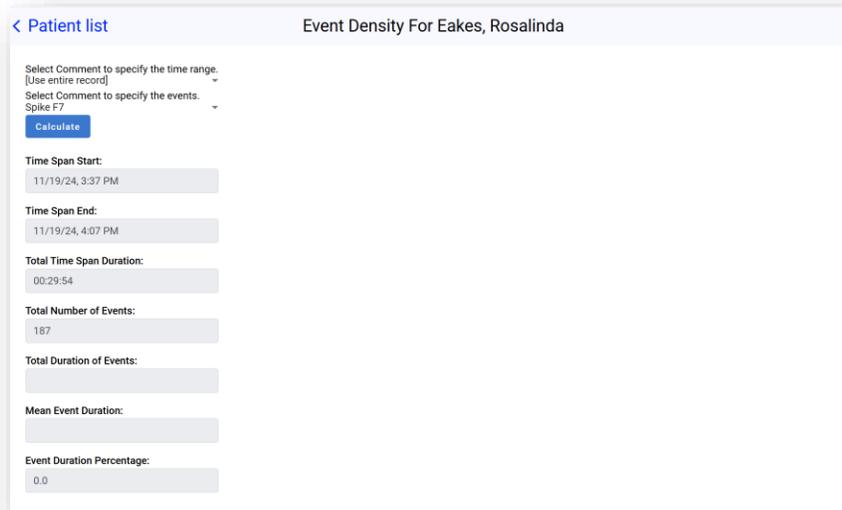
Image: Patient List View with Tools menu Selected

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Event Density

The Event Density tool provides calculations for the count and duration of specific comments within a record.

Select a comment from within the record and then click on the Calculate button to see results for the time span in the record including the total number of events, total duration of events, mean event duration, and event duration percentage.



The screenshot shows a mobile app interface titled "Event Density For Eakes, Rosalinda". It features a "Calculate" button and several data fields with their corresponding values:

Field	Value
Time Span Start:	11/19/24, 3:37 PM
Time Span End:	11/19/24, 4:07 PM
Total Time Span Duration:	00:29:54
Total Number of Events:	187
Total Duration of Events:	
Mean Event Duration:	
Event Duration Percentage:	0.0

Image: Event Density Tool

Export Comments

Exports comments from the selected record with the following details: each comment's time in elapsed seconds, if the comment is a spike, seizure, or neither, and the comment's text.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

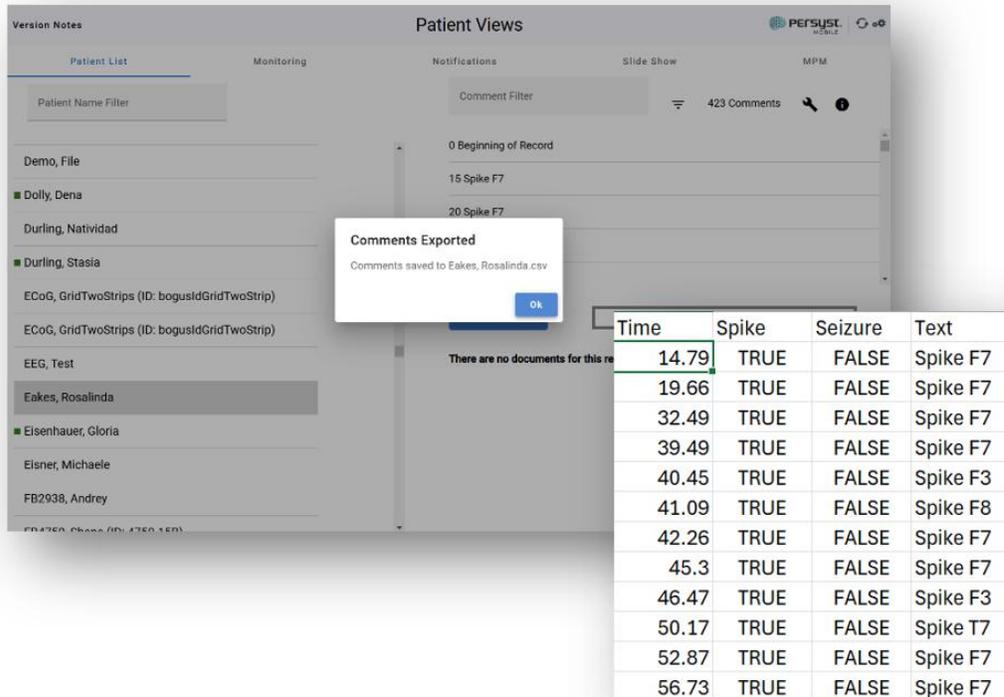


Image: Output from the Export Comments tool

Comment Filters (Patient List View)

Filters in Patient List View allow the User to view a subset comments, detections, or events in the Comments List based on criteria defined within the filter.

Filters can be User-specific or Shared. User Filters can be created, modified, or deleted in the *Edit Comment Filters* page in *Settings*. Shared Filters are shared between all Users on the Persyst Mobile Server and can be created or modified within the *Edit Shared Comment Filters* page in *Settings*. Default Filters cannot be modified by the User.

Filters that are applied in Patient List View will be applied to the EEG View across all patient records viewed by the User.

To clear a selected filter, tap once in the Comment Filter field to clear the selected Filter command.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

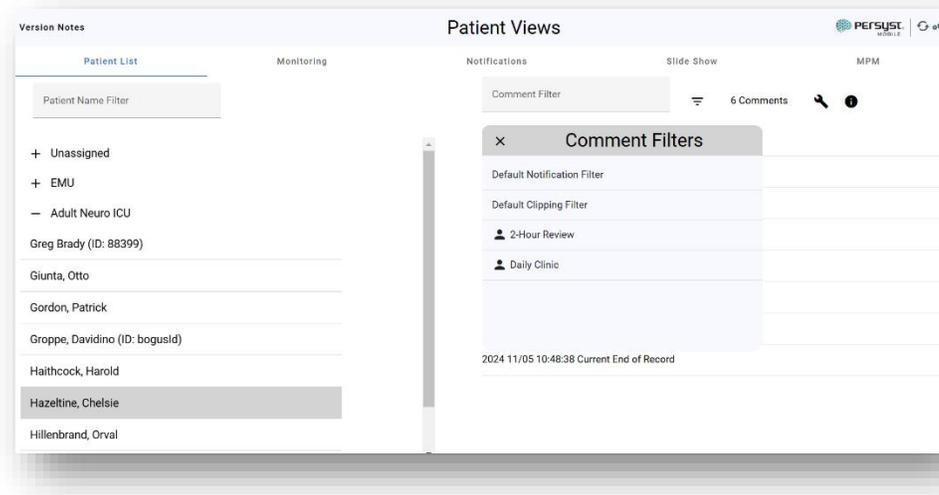


Image: Filters (Patient List View)

- **Shared Filter:** Shared Filters are filters that are shared between all Users on the Persyst Mobile Server and can be created or modified within the *Edit Shared Comment Filters* page in *Settings*.
- **User Filters:** User Filters are filters specific to the User. User Filters cannot be seen across Users. User Filters can be added or edited within the *User Comment Filters* page in *Settings*.

16.2 Patient Monitoring View

Patient Monitoring View shows the last period of Trends for patients in the Persyst EEG Review and Analysis Software database organized by the unit specified in the original EEG recording. If no units are specified in the EEG records, or they are all the same unit, then the patients will be shown as a single collection.

The Trends shown and the time-period (up to a maximum of two hours) are based on the default trends settings set in User Settings or the settings last selected on the Trends page of the patient.

Tapping on a patient will transition to the Trends page for that patient with the cursor placed at the end of the record. A green box next to the patient name indicates that the record is currently being acquired.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

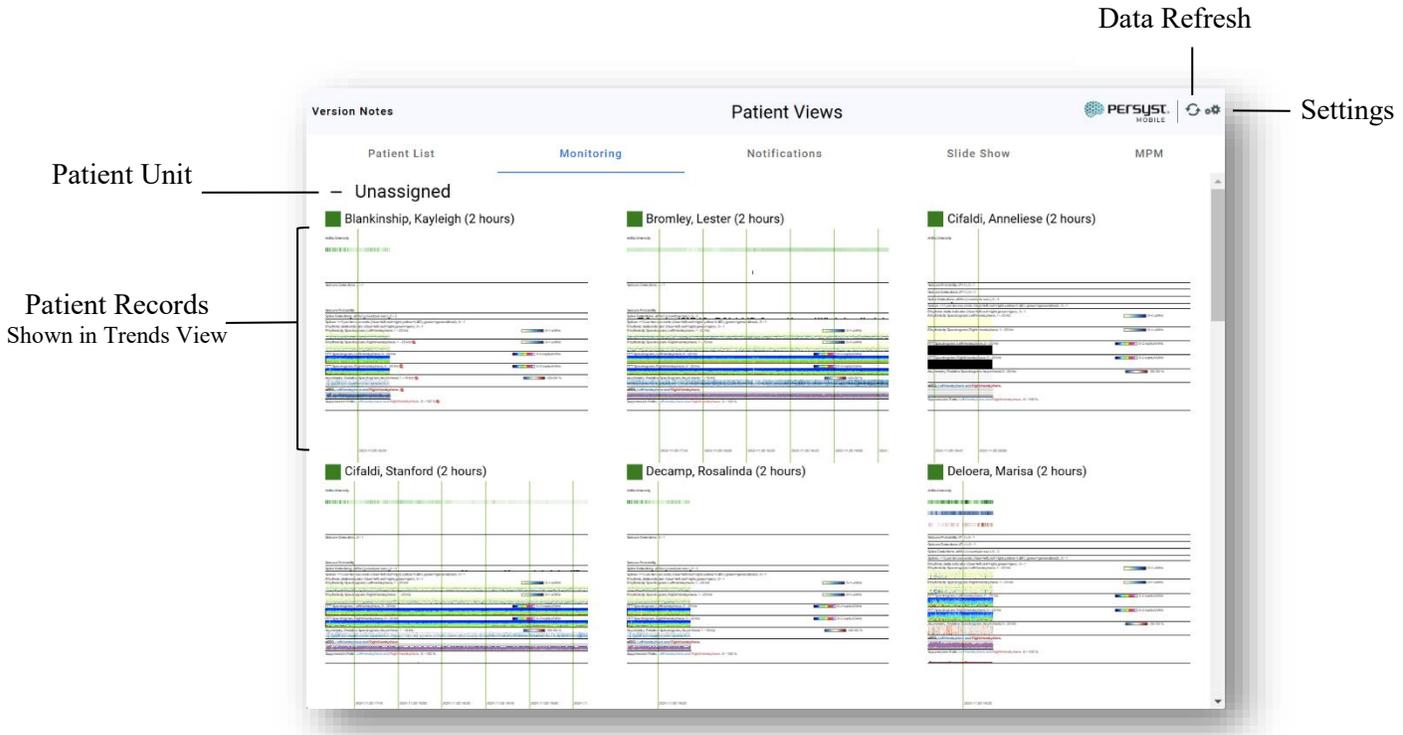


Image: Patient Monitoring View

- **Patient Unit:** Patients are organized by Unit. These units can be expanded or collapsed on the screen based on the User’s interest. Scroll up and down to navigate.

Patients without an assigned unit grouped within “Unassigned.”

Assign a patient to a Unit by navigating to *Patient Unit Assignments* in *Settings*.

Edit and manage Unit definitions by navigating to *Units Editor* in *Settings*.

- **Patient Records:** Patient Records are displayed in a grid organized by Last Name (A to Z) and grouped by Unit Assignment. Each patient record displays an image of the record in Trends View.

The Trends shown and the time-period (up to a maximum of two hours) are based on the default trends settings set in User Settings or the settings last selected on the Trends page of the patient.

Selecting a patient will transition to the Trends page for that patient with the cursor placed at the end of the record. A green box next to the patient name indicates that the record is currently being acquired.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Data Refresh*: The Data Refresh button  manually initiates a refresh of the data that is accessed from your HDO server. Data refresh is set by default to automatically initiate every 5 minutes. This setting can be changed in *User Settings*.
- *Settings*: Navigates to the Settings Page. See *Settings* for more details.
- *Version Notes*: Provides a link to the summary release notes for the Persyst Mobile Client. From here, the user can discover new features. The number next to the link indicates how many new entries have been made since the user last reviewed the notes.

16.3 Notifications View

Notifications View displays a list of notifications that have occurred up to a maximum of 24 hours from present time. Notifications are grouped by patient and sorted by time since occurrence (in minutes), with the most recent notifications first. Patients will be sorted by the time of the most recent comment that fits the selection criteria. Selecting a notification will transition to the Trend View for the associated patient with the cursor centered on the time of the notification.

The Notification Filter that is applied determines which comments, detections, or events are defined as a Notification.

Users of the iOS and Android apps can configure Push Notifications to notify the User via pop-up message, with or without sound, when a notification occurs. Push notification controls can be found in User Settings.

If new and unread notifications occur, a number in red will appear next to the bell icon in the bottom Patient View menu, signifying how many new unread notifications are present in Notifications View.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

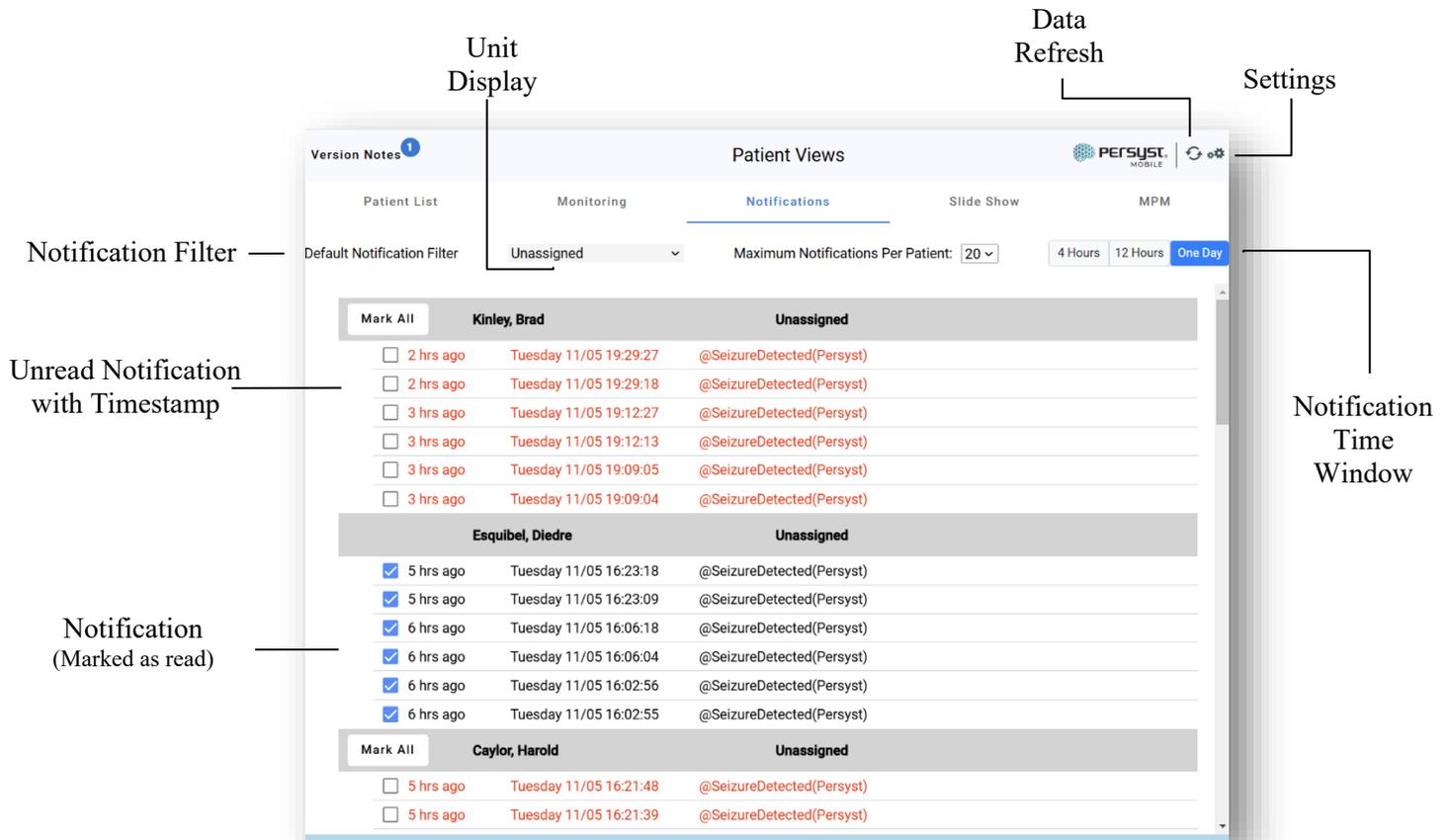


Image: Notification View

- **Notifications:** New unread notifications will be displayed in red. Notifications marked as “read” will be displayed in black with a green checkmark. Details displayed include time since occurrence (mins/hrs), date/timestamp, and Notification name.

Selecting a notification will transition to the Trend View for the associated patient with the cursor centered on the time of the notification.

Notifications can be marked as “read” by selecting the checkbox to the left of the notification. This will also occur automatically if the notification is selected for viewing. To mark all notifications for an individual patient record as “read”, select “Mark All” above the notification checkboxes in the gray Patient Name/Record title bar.

- **Notification Filter:** Opens the Filters window. The Notification Filter that is applied determines which comments, detections, or events are defined as a Notification. As such, the notification filter also determines which comments, detections, or events, appear as Push Notifications. See *Filters (Notifications View)* for more details.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Unit Display:* Select a Unit from the menu to display notifications specific to the selected Unit. Select “All Patients” to display all patient notifications.
- *Notification Time Window:* Users can modify the time window shown (4 Hours, 12 Hours, One Day) prior to the present time.
- *Data Refresh:* The Data Refresh button manually initiates a refresh of the data that is accessed from your local HDO server. Data refresh is set by default to automatically initiate every 5 minutes. This setting can be changed in *User Settings*.
- *Settings:* Navigates to the User Settings Page.

Filters (Notifications View)

Filters in Notification View allow the User to subset comments, detections, or events from a patient record as a Notification based on criteria defined within the filter.

The Filter applied within Notifications View controls the patient notifications that are displayed within the Notifications View, EEG View, Trends View, and Push Notifications.

Filters can be User-specific or Shared. User Filters can be created, modified, or deleted in the *Edit User Filters* page in *Settings*. Shared Filters are shared between all Users on the Persyst Mobile Server and can be created or modified within the *Edit Shared Filters* page in *Settings*. Default Filters cannot be modified by the User.

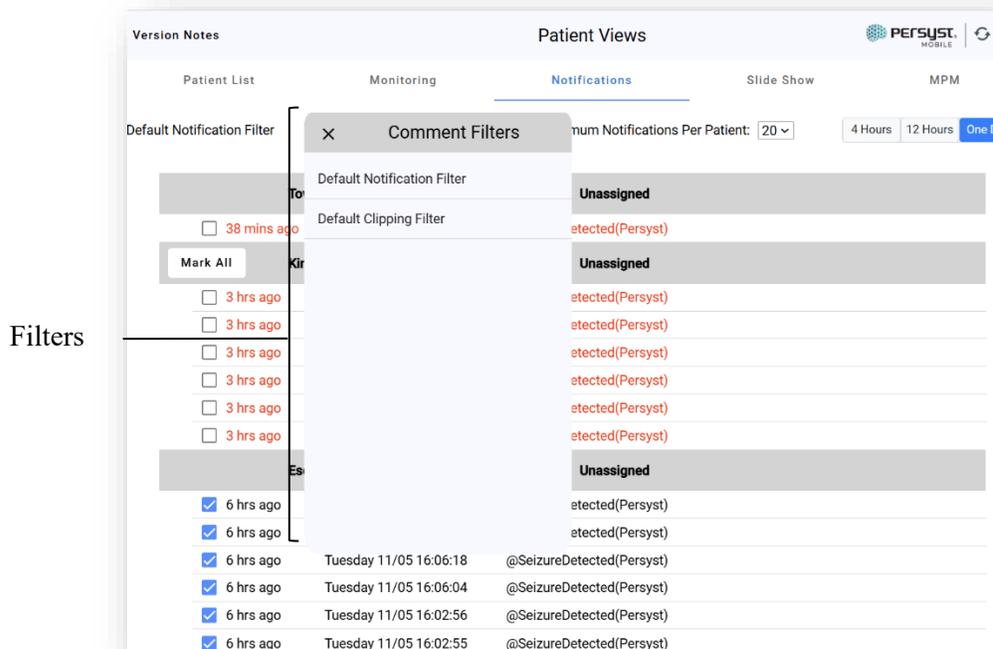


Image: Filters (Notifications View)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- Select to apply a filter from the Filters list.

Push Notifications

A push notification is a message alert that will pop up on the iOS or Android device that is running Persyst Mobile App. Note that these notifications are not available via the web interface.

Push notifications alert the user, with or without an alert sound, if specified events (i.e. @SeizureDetected (Persyst)) occur for a patient or patients that are actively being monitored. Events defined as a Notification are set using the Notifications Filter within Notifications View.

Within *User Settings*, the User can choose various settings for Push Notifications:

- Push notifications can be set to occur for all patients, no patients, Units, or selected patients (as selected on the Settings Notifications page).
- An audible notification sound can be set to occur when a Push Notification is received. To access the User Settings page, navigate to Patient Views and select the Settings button (gear icon) located in the top right button bar.
- Push Notification Reminders can be set to alert the user to a new notification until they have opened the Persyst Mobile App and navigated to the Notifications View (Not available on Android).

The User must be logged into the Persyst Mobile App for push notifications to occur.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Image: Persyst Mobile Push Notification



Image: Push Notifications - Notification Reminder

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Image: App Icon with Notification

16.4 Slide Show View

Slide Show View displays a slideshow of the last period of Trends for active patient records in the Persyst EEG Review and Analysis Software database. Active patient records are defined as records which are currently being acquired or that have finished recording within the last 10 minutes.

The Trends Panel and the time period (up to a maximum of two hours) displayed are controlled by the default settings defined in User Settings or the last settings that were selected on the Trends Page for an individual patient.

Tapping on a patient record will transition to the Trends page for that patient with the cursor placed at the end of the record.

Swiping right or left on the screen manually pages through patients. Slide Show View will play automatically. The speed of the slideshow can be adjusted via the controls at the top of the screen.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

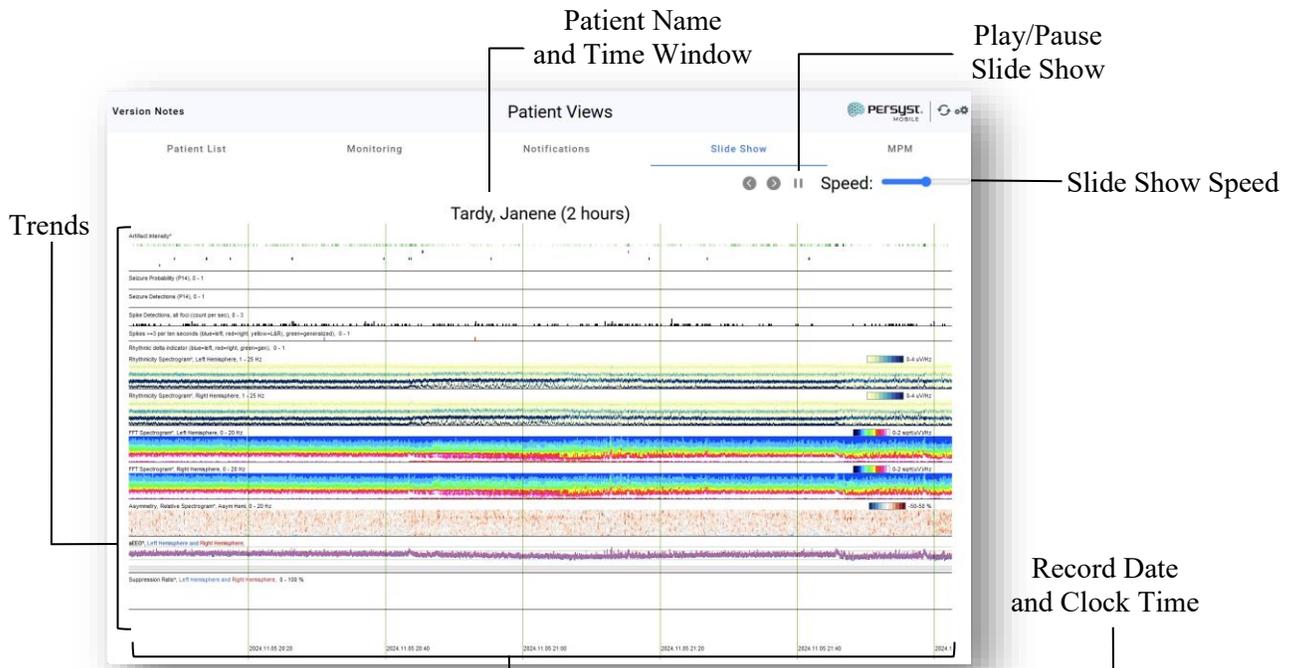


Image: Slide Show View

- **Patient Name and Time Window:** Patient Name, Patient ID, and the time window of the trends being displayed are shown at the top of the view. The maximum time window to be displayed is 2 hours.
- **Trends:** Default Trend panel and time-period displayed can be configured within Settings.

If Trends Settings were modified within an individual patient record, the Trends display for that record will reflect those changes will reflect those changes.

Selecting a patient record will transition to the Trend View for that patient with the cursor placed at the end of the record.

- **Play/Pause Slide Show:** Pauses or Plays the slide show.
- **Slide Show Speed:** Adjusts how fast the slide show transitions between patient records.
- **Record Date and Clock Time:** Record Date and Clock Time is displayed at the bottom of the page.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

16.5 Multi Patient Monitor View

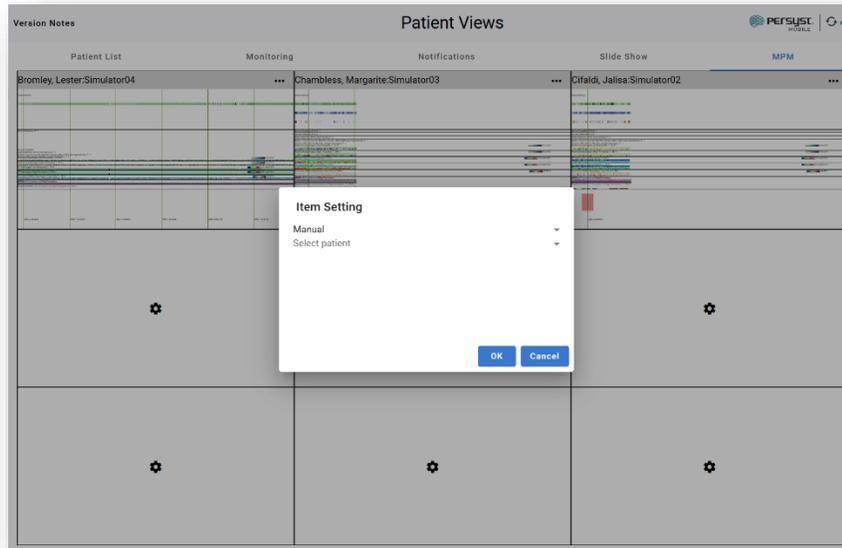


Image: Grid settings in Multi Patient Monitor view

Within each grid partition, the user can specify if the data show should be a manually selected active record, a record Automatically selected from active records, or always show a specific station.

Note that these options will not be fully functional if no active records are in the database.

17. Trend Display

The Trend display is accessed from within a patient record. A patient record is opened by selecting a patient record and selecting a comment in *Patient List*, or by selecting a record or notification displayed in Monitoring, Notification, or Slide Show View. If the EEG appears first, press the *Trends* button in the top left-hand corner of the screen.

Trends display a horizontally scrolling continuous view of qEEG trends calculated for the currently opened patient record. All calculations for the Trends are done by Persyst EEG Review and Analysis Software on the server and will be presented in this view. If new data arrives from the server, the trends are updated to reflect it.

Select a specific time by selecting and dragging on the time cursor. A navigation bar at the bottom of the Trend display moves the display forward and backward in time. The Trends Button Bar is used to make selections specific to the Trend View and includes navigation, trends settings, and comment editor.



PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

The Persyst EEG Review and Analysis Software server will present multiple patient records to the mobile application as a single patient record. The server will consider that records which the underlying EEG system marks as being for a single patient are part of the same record. This determination is specific to the particular manufacturer. A vertical dashed gray line indicates the transition from one record to the next.

For more information on interpreting Trends, refer to the Persyst 15 Instructions for Use or <http://www.persyst.com> for video tutorials.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

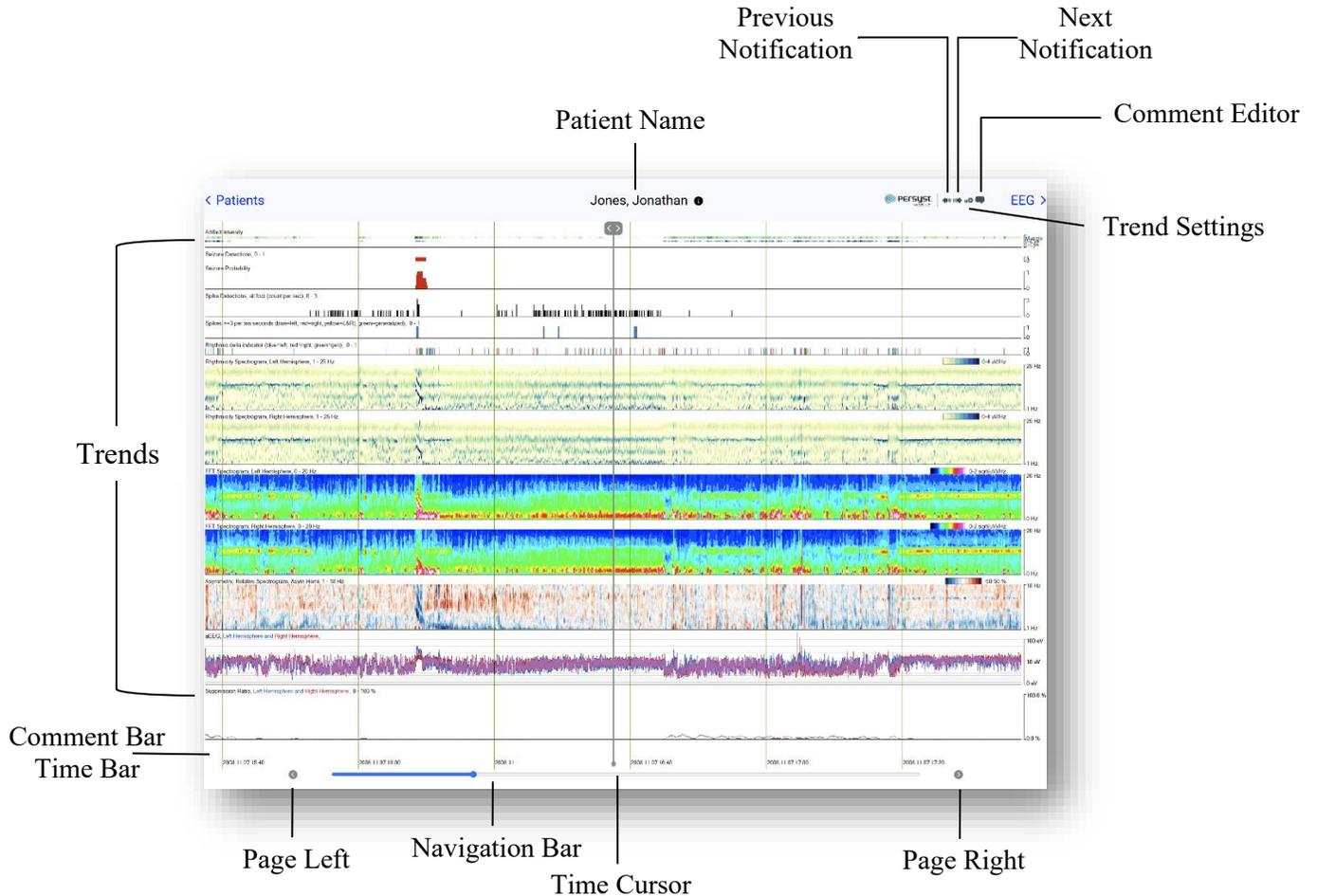


Image: Trends

- *Patient Views: Patients:* Returns to the previously active Patient View.
- *Show EEG:* Navigates to EEG View for the currently opened record. The time cursor will be time synced to the location of the time cursor in EEG View.
- *Previous Notification:* Navigates to the first Notification prior to the time selected with the time cursor. This button will be inactive if there are no Notifications. Notifications displayed are comments, detections, or events that match the current Notification filter, as defined in the Notifications View.
- *Next Notification:* Navigates to the next Notification following the time selected with the time cursor. This button will be inactive if there are no Notifications. Notifications displayed are comments, detections, or events that match the current notification filter, as defined in the Notifications View.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Comment Editor*: Allows the user to add a comment to the record by opening the Comment Editor.
- *Trends Settings*: Displays a choice of Trend View settings for the currently opened record.
- *Comment Bar*: Located above the Time Bar, the comment bar will display icons for comments that have been added to the record in Trends View.
- *Time Bar*: Time is displayed as *Date (yyyy.mm.dd)* and *Time of Day (hh:mm:ss)*. Hours are presented in a 24hr format.
- *Page Left*: Navigates one page left in the record.
- *Page Right*: Navigates one page right in the record.
- *Navigation Bar*: The Trends Navigation Bar, on the bottom of the page, allows the user to page left or page right one trend page by using the page left (<) and page right (>) arrow buttons, respectively.

Tap and drag the radio button to navigate to a specific time in the record. These buttons will be inactive if Trends View is set to display the entire record duration.

If a keyboard is attached to the iOS or Android device, the User can also navigate with keyboard shortcuts.

- *Time Cursor*: Select a specific time by clicking and dragging on the time cursor. Tapping on the Trends display moves the time cursor to that point in time. The Trends View and EEG View are synchronized so that when a point in time in one is selected it is also selected in the other.

17.1 Comment Editor (Trends View)

Comments can be added to a patient record with the Comments Editor. After positioning the time cursor on the time of interest, tap the Comments Editor button (🗨) in the top right button bar of the page. A comment flag will appear, and the User can type a free-text comment into the blank field. Duration can be added to a comment, initiating two comment flags to appear. Users can enter duration comments such as “Seizure start” and “Seizure end.”

To specify a timepoint for a comment, tap and drag the Time Cursor to a selected timepoint for the comment then to tap the Comment Editor button to add a comment. Alternatively, tap the Comment Editor button and drag the Comment Editor flag to select a specific time point for the comment.

Date and timepoint for the comment appear in the Comment Flag in the Time field.

Type the text comment into the empty text field. Tap “Add” to save the comment to the record. Tap “Cancel.”

Comments can also be added via Quick Comments keyboard shortcuts. For more information on creating customized Quick Comments, see *Standard Comments (Settings)* for more details.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Comments added in Trends View will also appear in EEG View, with “@PersystTrends” appended to the comment. Comments can be edited or deleted by navigating to the comment in EEG View and clicking on the comment text as it appears in the Comment Bar, located above the Navigation Bar. Clicking once on the comment allows the user to Edit or Delete a comment” to cancel.

Comments are automatically saved to the Persyst file (.lay file) associated with the digitized EEG data located on the local server. Comments added to a record are visible and editable by all Users on the Persyst Mobile Server with access to that patient record. Comments can also be added to the OEM comment or annotation list by a server setting.

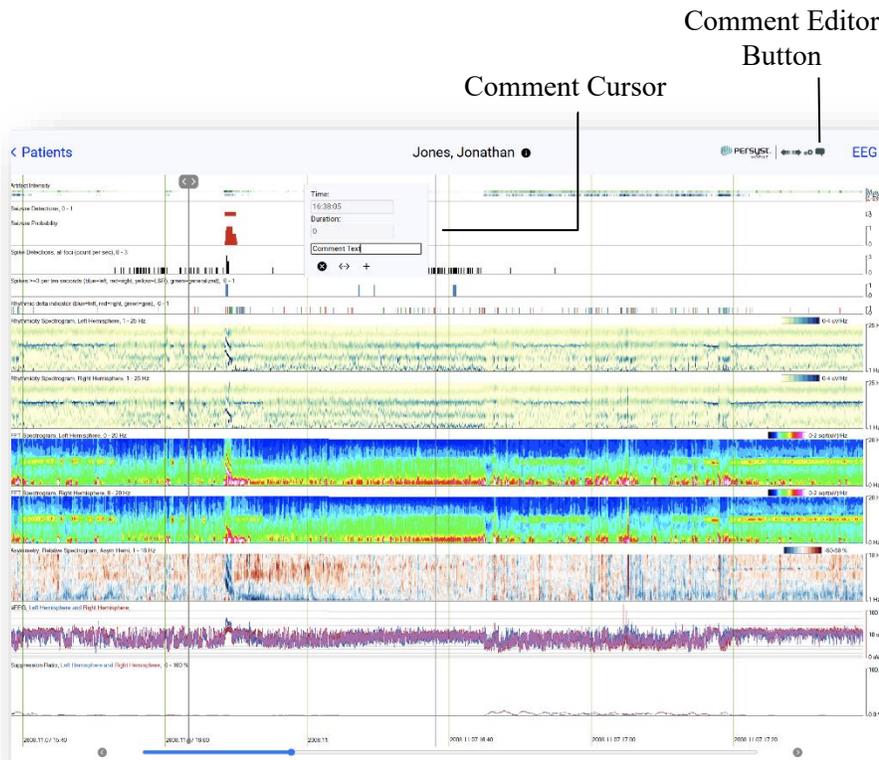


Image: Comment Editor (Trends View)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

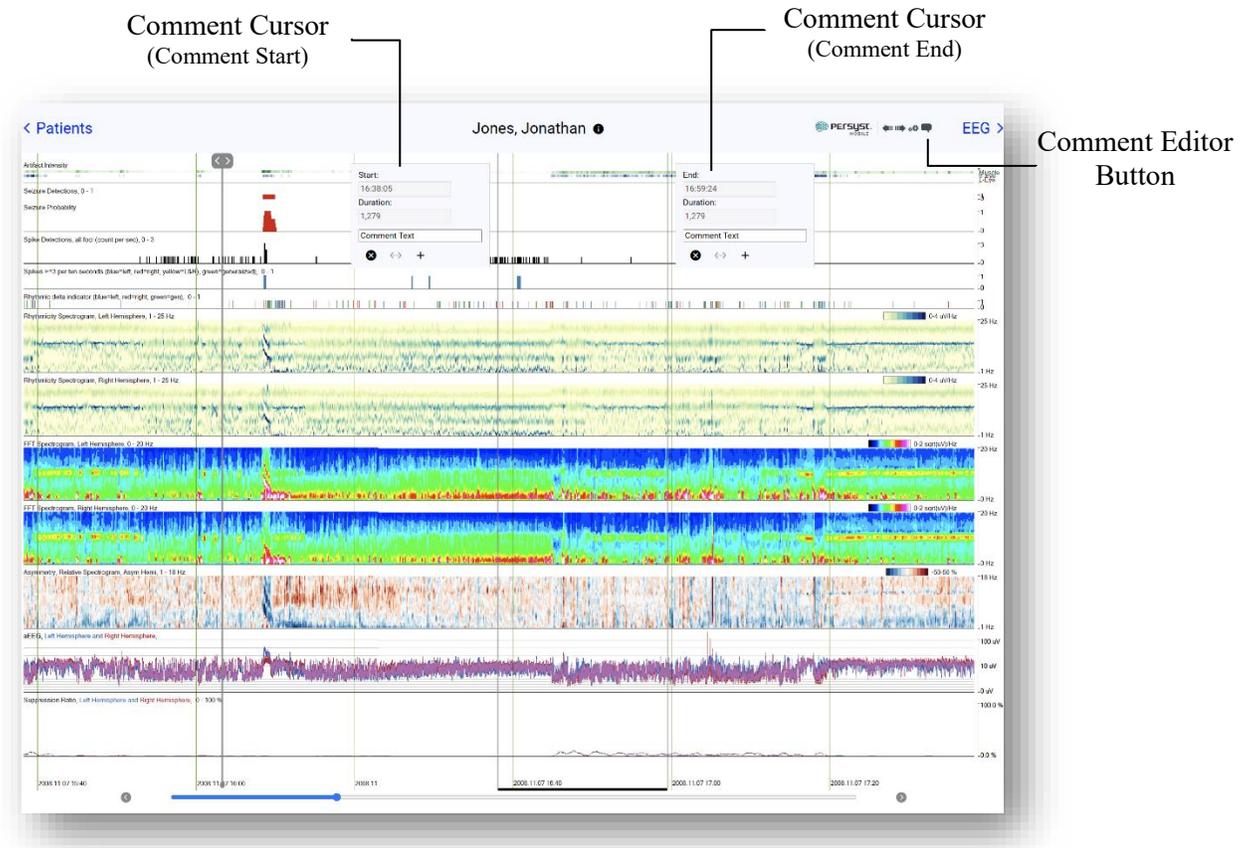


Image: Comment Editor – Duration Comment (Trends View)

- Add a duration by selecting the “<->” button. A second flag and cursor will appear. Tap and drag that Comment flag to the selected end time. Date and timepoint for the Comment Start and Comment End appear in the Comment Flag in the Time field. Comment duration, in seconds, appears in the Duration field.
- Type the text comment into the empty text field.
- Tap “Add” to save the comment to the record. Tap “Cancel” to cancel. Comments added in Trends View are added to the Comment List and will be displayed in EEG View, with “@PersystTrends” appended to the end of the comment. (e.g. Asymmetry@PersystTrends)
- If a keyboard is attached to the iOS or Android device, comments can also be added via Standard Comments keyboard shortcuts.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

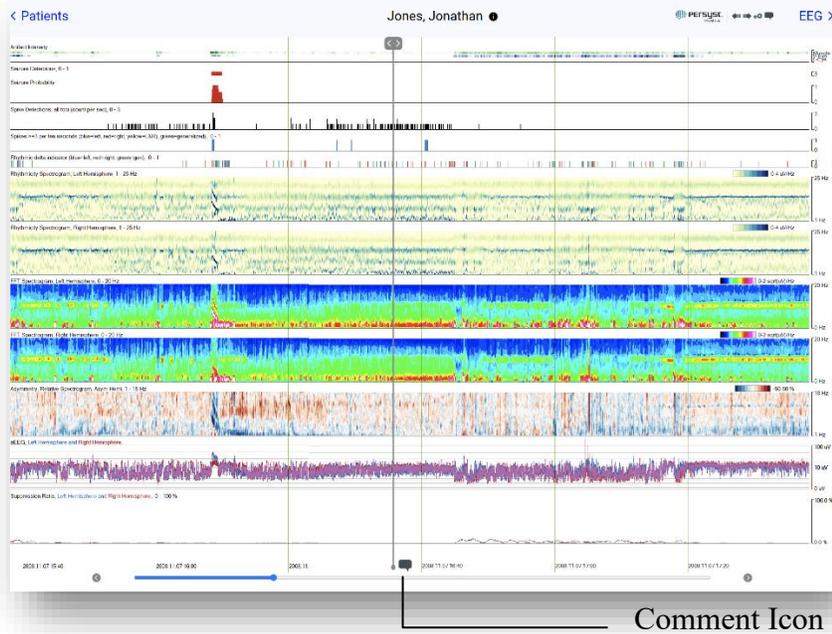


Image: Trends View with Comment and Duration Comment

- Comments without a duration will appear in the Comment Bar of Trends View as small “talk” (🗨️) icons.
- Duration comments will be displayed as a thick black line for the duration of the comment.
- Tap once on the comment to view the comment.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

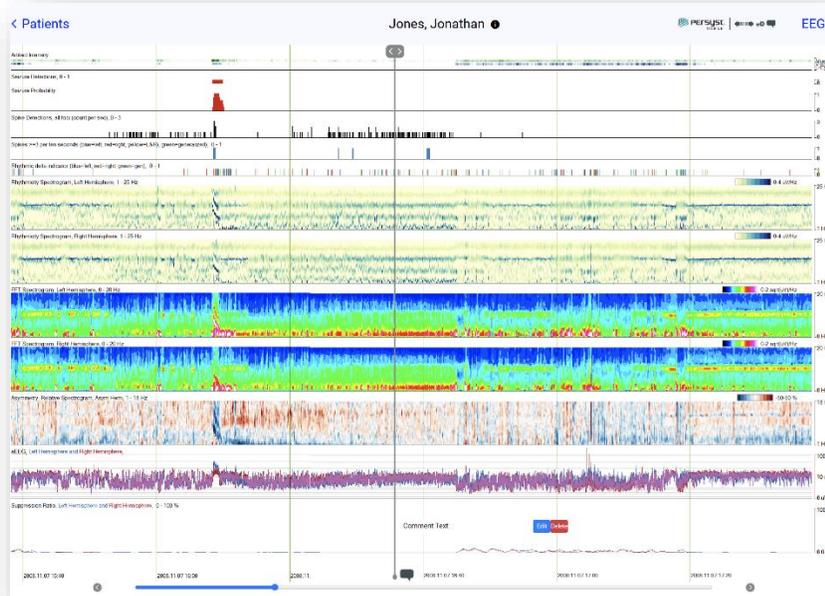


Image: Edit/Delete a comment by selecting the comment icon in the Comment Bar

Comments can be edited or deleted by navigating to the comment and tapping on the comment icon as it appears in the Comment Bar, located above the Navigation Bar. Tapping once on the comment allows the user to Edit or Delete a comment.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

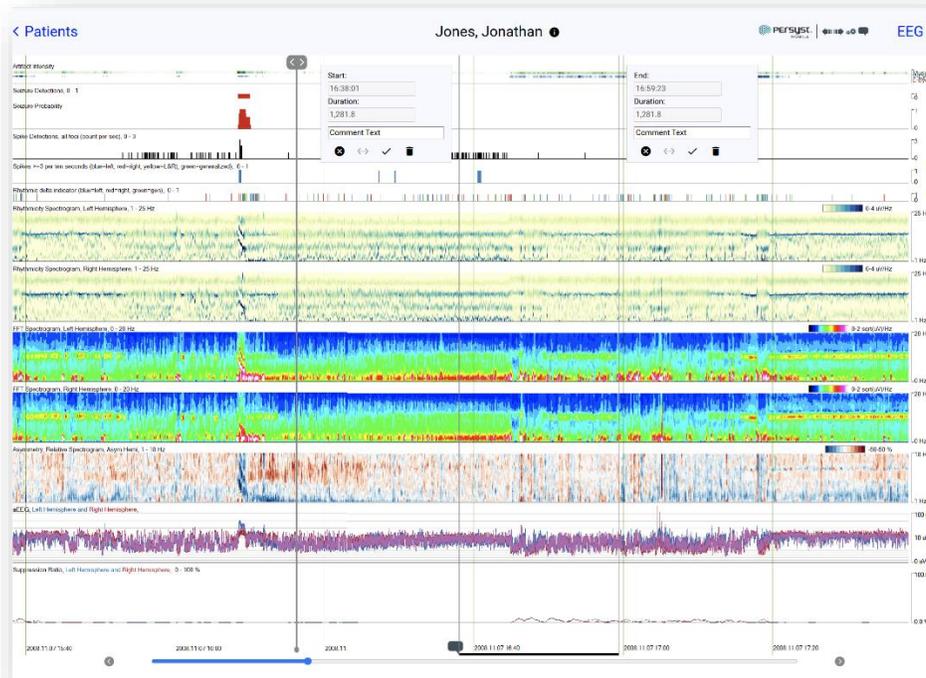


Image: Editing a comment

To edit a comment, tap on the comment icon, edit the comment as desired, and tap “✓”

17.2 Settings (Trends View)

Trends Settings, when accessed from within the Trend View, allows the user to change the Trends Panel, Duration, Artifact Reduction (AR), and Text Size for the Trends Panel displayed for that individual patient record.

If Trends Settings are modified within Trends View of a patient record, the settings selected will save to that patient record and will appear across all Users on the Persyst Mobile Server with access to that patient record.

To change User-specific default Trends Settings for all patient records, navigate to *Settings*.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Image: Trends Settings (Trend View)

- *Select Panel:* Selects the panel of trends to be displayed for the currently opened record.
- *Duration:* Selects the amount of time represented by the horizontal axis for the currently opened record.
- *Baseline:* Selects the Baseline epoch to use for the VsBaseline Spectrogram trend. If other baselines are present in the record, click on this area to select a different baseline.
- *Rhythmicity Z-Axis Maximum:* Changes the maximum value of the color scale intensity for the Rhythmicity Spectrogram’s z-axis values.
- *FFT Z-Axis Maximum:* Changes the maximum value of the color scale intensity for the FFT Spectrogram’s z-axis values.
- *Artifact Reduction (AR):* This is a toggle that turns Artifact Reduction on and off. When Artifact Reduction is on, the Trends displayed are calculated from Artifact Reduced waveforms.
- *Show Values:* Displays the trend value at the Caret Time in the legend bar. When toggled off, the legend bar will display the y-axis range.
- *Font size:* Change the font size used to display Trends labels.

Trends Zoom (Mobile Devices only)

To zoom in on the Trends images on iOS or Android Devices, enable the zoom or magnification features in the device settings. When viewing the Trends page, perform the shortcut action for the device to access the zoom window and view the trend images.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- To set up the Zoom feature on an iOS device:
 1. Open the device **Settings** App.
 2. Select **Accessibility**.
 3. Select **Zoom**, then toggle Zoom to **On**.
 4. To access the Zoom feature, double-tap with three fingers to bring up the zoom window, triple-tap with three fingers to change the zoom options. You can also toggle Zoom using Siri with “Hey Siri, turn on Zoom,” and “Hey Siri, turn off Zoom”
- To set up Magnification on an Android device:
 1. Open the **Settings** App.
 2. Select **Accessibility**.
 3. Select **Magnification**.
 4. Toggle On the **Magnification shortcut**.
 5. Tap on the Magnification shortcut to **select the shortcut action**.
 6. To access the Magnification, perform the selected action(s) such as tapping the accessibility button, triple tapping the screen, side and volume up buttons, or volume up and down for 3 seconds.

18. EEG Display

The EEG display, like the Trends, is accessed from within a patient record. A patient record is opened by selecting a patient record from *Patient List* and selecting a comment from the record’s comment list, or by selecting a record or notification displayed in Monitoring, Notification, or Slide Show View.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

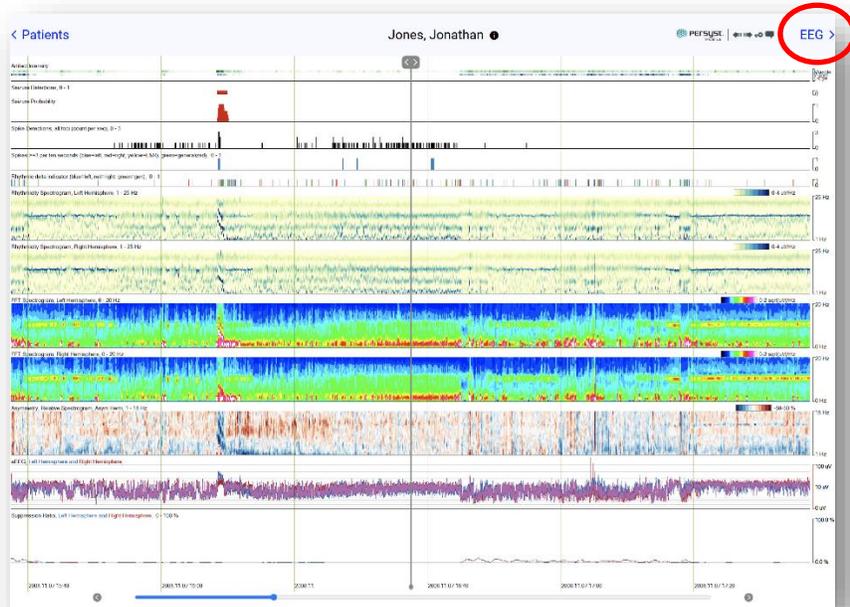


Image: Accessing the EEG page from Trends display

If *Trends* is the first view to appear, select *EEG* on the top right-hand corner of the screen.

The Trends and EEG pages are synchronized so that when a point in time in one is selected it is also selected in the other. The EEG Button Bar is used to make specific selections for the EEG page.

The EEG view displays the waveforms in the currently opened EEG recording. A set of channels, based on a selected montage, is displayed vertically. Time is displayed horizontally. If new data arrives from the server, the EEG is updated to reflect it. Data refresh is set by default to automatically initiate every 5 minutes, and this time can be adjusted in User Settings. A manual data refresh can be performed by pressing the Data Refresh button.

Swipe left and right or use arrow keys to navigate through the EEG. Select a specific time to navigate to by tapping and dragging on the radio button in the Navigation Bar. Page forward or backward tapping the left and right arrow buttons on either end of the Navigation Bar. If a keyboard is attached, the User can also navigate with keyboard shortcuts.

All calculations to display the data will be done on by Persyst EEG Review and Analysis Software database on the server.

The EEG Button Bar is used to make selections specific to the EEG View and includes the Comment List, Data Refresh, Previous and Next Notification, Split Screen View, EEG View Settings, Video Display, and Comment Editor.



PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

EEG settings can be accessed and managed from within EEG page by selecting the EEG Settings button in the top right button bar. EEG settings can additionally be managed within Settings. With the exception of patient-specific montages, EEG View settings are user-specific and are not applied across users.

The Persyst EEG Review and Analysis Software server will present multiple patient records to the mobile application as a single patient record. The server will consider that records which the underlying EEG system marks as being for a single patient are part of the same record. This determination is specific to the particular manufacturer. A vertical dashed gray line indicates the transition from one record to the next.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

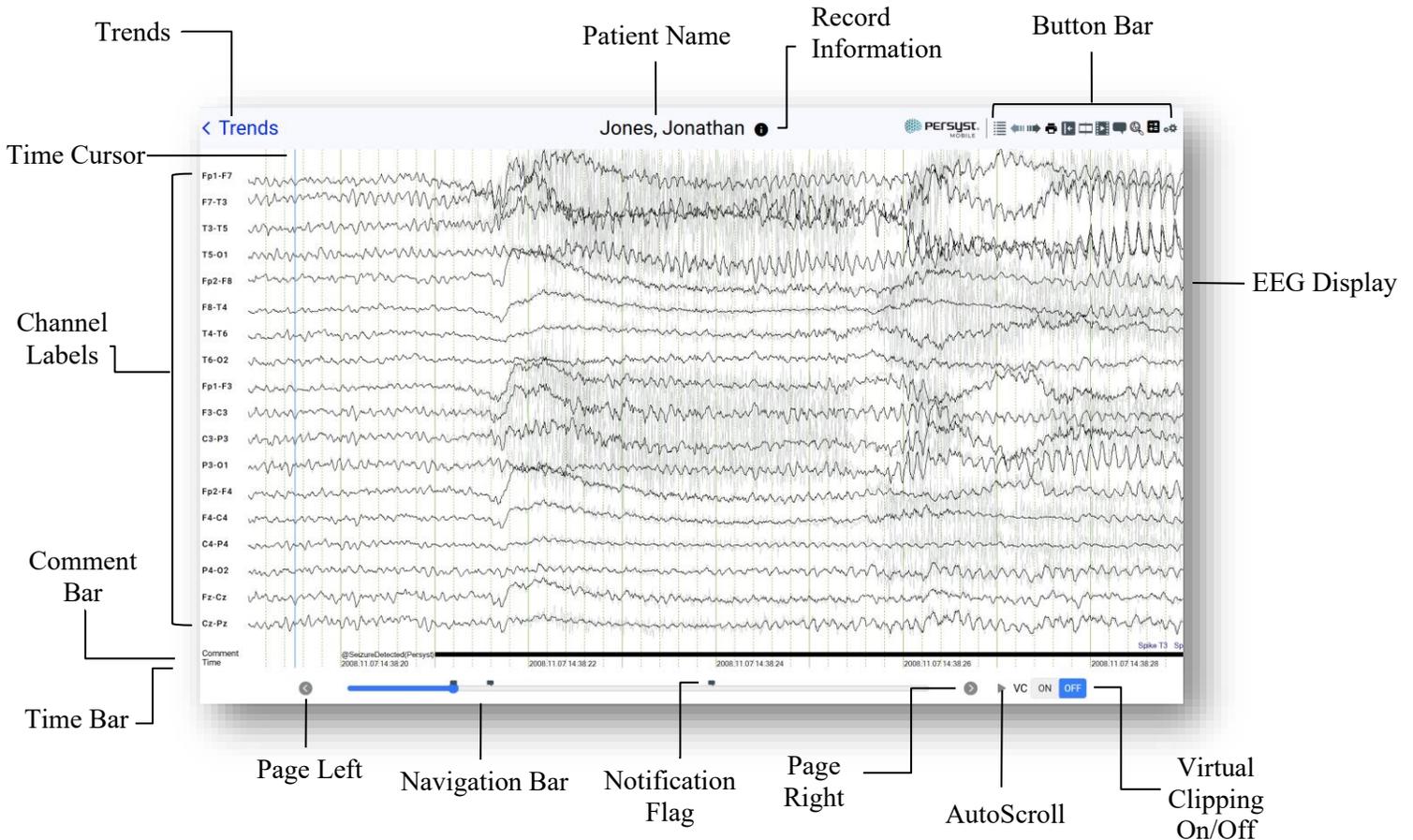


Image: EEG View

- **Go to: Trends:** Navigates to the Trends View for the currently opened record. The time cursor will be time synced to the location of the time cursor in EEG View.
- **Channel Labels:** Channels of the currently selected EEG montage. Click on a channel label for options to hide or show a channel and to select or unselect the channel.
- **EEG Display:** Displays the EEG waveforms for the currently opened patient recording. Waveform and Display Settings can be accessed and managed by navigating to *EEG Settings* in the button bar.
Right-clicking on EEG Display will initiate the QuickMontages window. See *QuickMontages (EEG View)* for details.
- **Navigation Bar:** Click and drag the radio button or use the < and > arrow keys to navigate to a specific time in the record.
- **Page Left:** Navigates one page left in the EEG record.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Page Right*: Navigates one page right in the EEG record.
- *AutoScroll*: Starts or pauses automatic EEG playback. Paging speed can be adjusted by navigating to *EEG Settings* in the button bar.
- *Virtual Clipping (VC)*: Toggles virtual clipping on or off. The Virtual Clip feature allows the user to view previously marked points in the EEG on playback. Instead of creating a separate clip file alongside the complete file, annotations for the clips are made, offering user the flexibility to either view specific marked clip segments or the entire file. Virtual clip filters can be configured to define comment text for clipping. Additionally, users have the option to set time intervals around comments for the virtual clip to showcase. By activating the ‘VC’ feature during review, only the sections previously marked as clips using the pre-configured text will be displayed. See *Virtual Clipping Settings* for more details.
- *Buttons Bar*: See *EEG View button bar* for specified button functionality.
- *Comment Bar*: Comments will appear as text at the bottom of the EEG display. Duration comments will be displayed as a thick black line for the duration of the comment. Clicking once on a comment in this bar allows the user to Edit or Delete a comment.
- *Time Bar*: Time within the record is displayed as *Date (yyyy.mm.dd) and Time of Day (hh:mm:ss)*. Hours are presented in a 24hr format.
- *Notification Flag*: A notification flag, represented as a “speech” icon, indicates a notification present in the record. Notifications displayed are comments, detections, or events that match the current notification filter, as defined in the Notifications View. See *Notifications View, Filters (Notifications View)* for details.

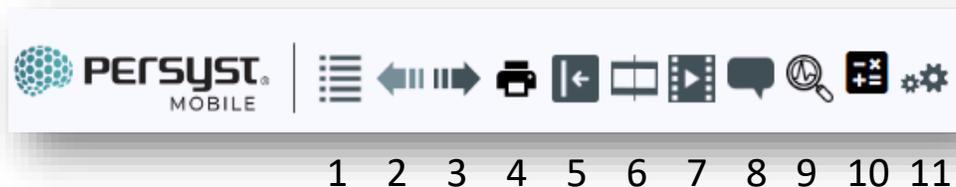


Image: EEG View button bar

1. *Comment List*: Displays the comments of the currently opened EEG record. Comments are sorted in ascending or descending order by clock time, as specified within User Settings. Scroll down this window to navigate the comments.

Comments can be filtered using the Comment Filter. Selecting a comment will load the patient record with the cursor centered at that comment. See *Comments List (EEG View)*.

2. *Previous Notification*: Navigates to the first notification prior to the time selected by the time cursor. This button will be inactive if there are no notifications.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Notifications displayed are comments, detections, or events that match the current notification filter, as defined in the Notifications View. See *Notifications View, Filters (Notifications View)* for details.

3. *Next Notification*: Navigates to the next notification following the time selected by the time cursor. This button will be inactive if there are no notifications. The Notifications displayed are comments, detections, or events that match the current notification filter, as defined in the Notifications View. See *Notifications View, Filters (Notifications View)* for details.
4. *Print Page*: Prints the currently displayed page of EEG.
5. *Open/Close Margin*: Opens or closes the white space margin to the right of the screen. Margin allows for multiple windows to be displayed without overlapping the EEG Display.
6. *Split Screen*: Both the EEG view and Trend view windows will be shown separated by a splitter bar. Windows can be resized by clicking and dragging the bold black bar displayed in-between the two views. See *Split Screen View* for more details.
7. *Video*: Shows video synchronized with the blue time cursor seen on the EEG waveforms and the trends.
8. *Comment Editor*: Opens Comment Editor to add or edit comments to the currently opened record. See *Comment Editor (EEG View)*.
9. *Spike Review*: Opens the Spike Review interface to review spike detections from the Persyst Trends.
10. *Analyze Tool*: Activates the cursor to select waveforms to measure statistics per channel over a duration of time.
11. *EEG Settings (EEG View)*: These settings will apply to all patient records displayed in the EEG View. The user can select the montage, page duration, sensitivity, filters, AutoScroll speed, font size, and other EEG settings. With the exception of patient-specific montages, EEG View settings are user-specific and are not applied across users. See *EEG Settings (EEG View)*.

18.1 Comments List (EEG View)

In EEG View, the Comment List can be displayed by selecting the Comment List icon from the EEG View button bar located in the top right of the page. Selecting a comment will load the patient record with the left edge of EEG View centered on that comment.

Comments are sorted in ascending or descending order by clock time, as selected in the User Settings. Comments can also be sorted from A to Z using the AZ button. Scroll up and down the window to navigate the comments.

Comments can be filtered using the Comment Filter at the top of the Comment List or with pre-defined filters selected from the Filters button. Filters are created and modified within *Settings*.

Filters applied to the Comment List will automatically be applied across all patient records as viewed by the User. To clear the filter, select the “Comment Filter” field.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

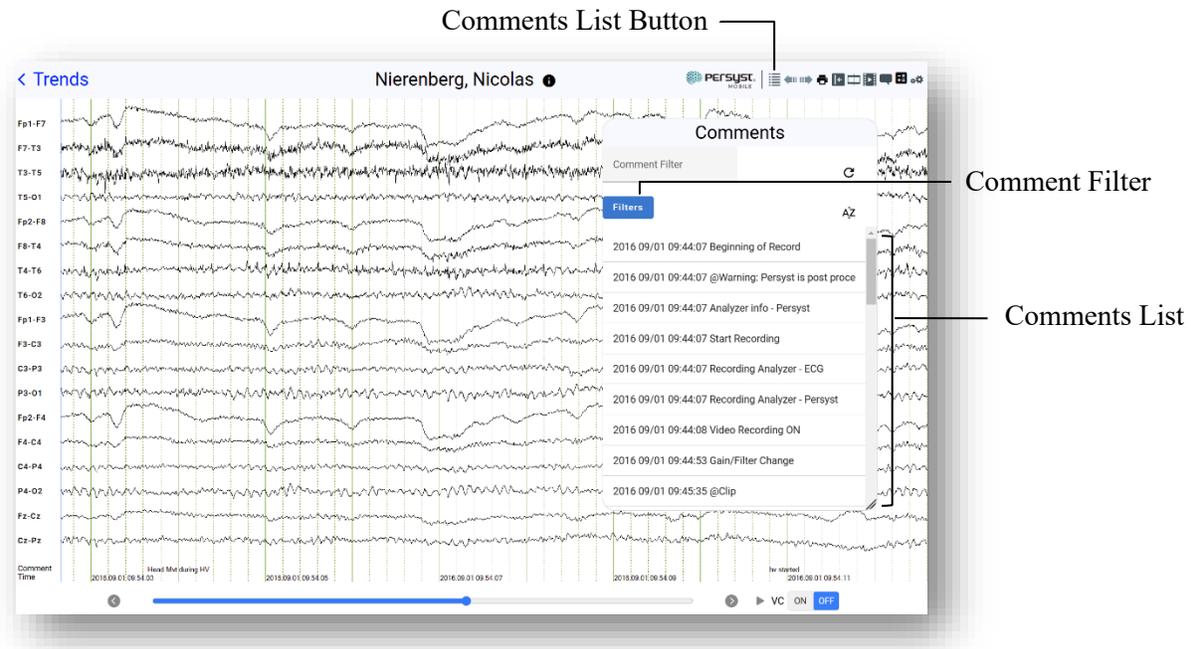


Image: Comments List (EEG View)

- **Comment Filter:** Search for a comment or filter comments within the Comment List by entering free text into the Comment Filter field. Beginning of Record and End of Record annotations will always be displayed.
- **Filters:** Opens the Filters window, which allows the user to apply pre-defined filters to the comment list.
- **A-Z button:** Sort comments alphabetically in ascending or descending order.

18.2 Filters (EEG View)

Filters in the Comment List of EEG View allow the User to subset comments, detections, or events in the Comments List based on criteria defined within the filter.

Filters can be User-specific or Shared. User Filters can be created, modified, or deleted in the *Edit User Comment Filters* page in *Settings*. Shared Filters are shared between all Users on the Persyst Mobile Server and can be created or modified within the *Edit Shared Filters* page in *Settings*.

Default Filters cannot be modified by the User.

Filters applied to the Comment List will automatically be applied across all patient records as viewed by the User. To clear the filter, select it on the “Comment Filter” field.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

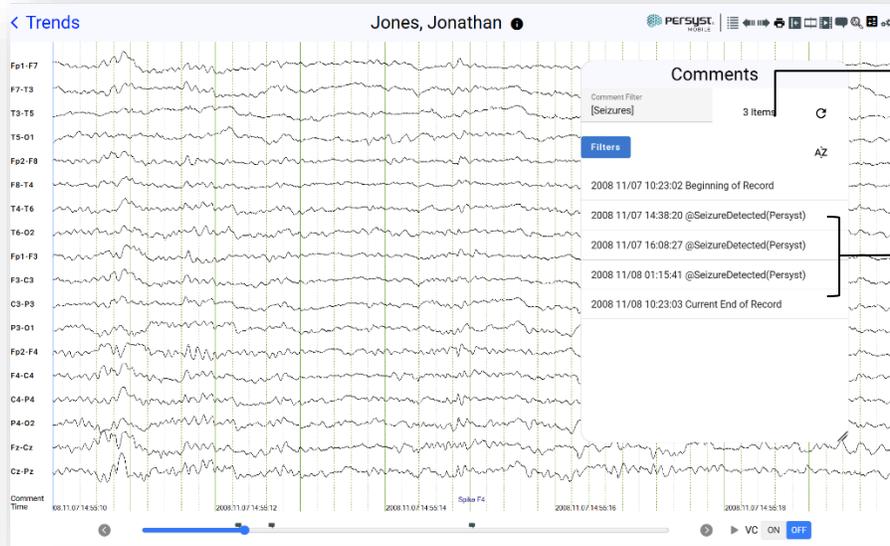


Image: Filters (EEG View)

18.3 Split Screen View

When in EEG View, tapping on the Split Screen Button will simultaneously display EEG View and Trend View into equally sized windows. The duration of the EEG and the Trends displayed will be half the currently selected value to maintain the proportions. The time is synchronized between the left edge of the EEG display and the time cursor in the Trends display. Settings for the Trends are based on the settings selected from the Trends View.

Close Split Screen View by tapping the Split Screening button a second time.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

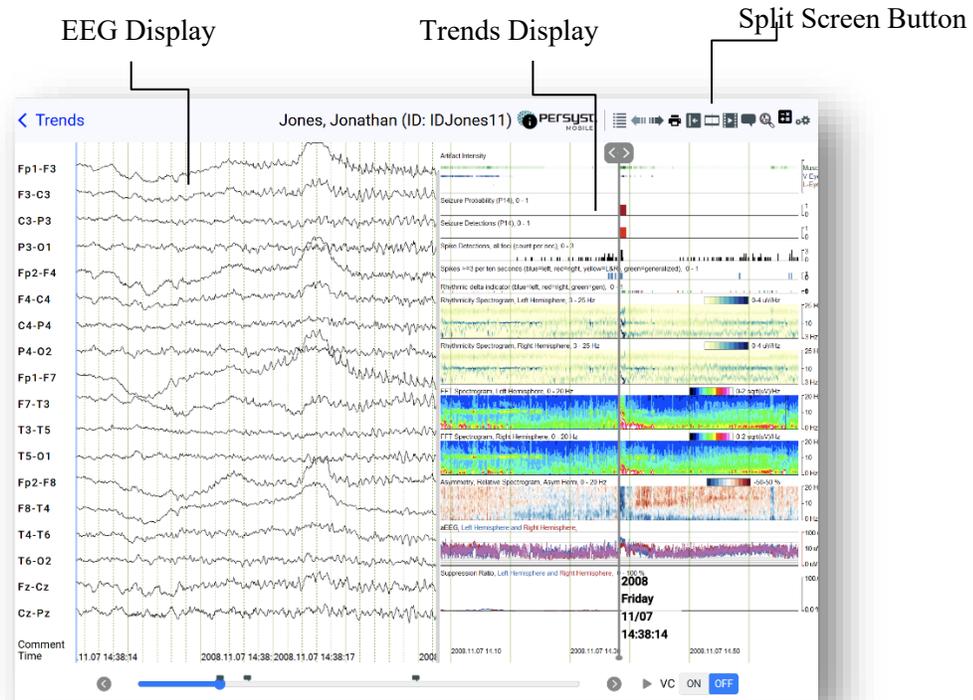


Image: Split Screen View

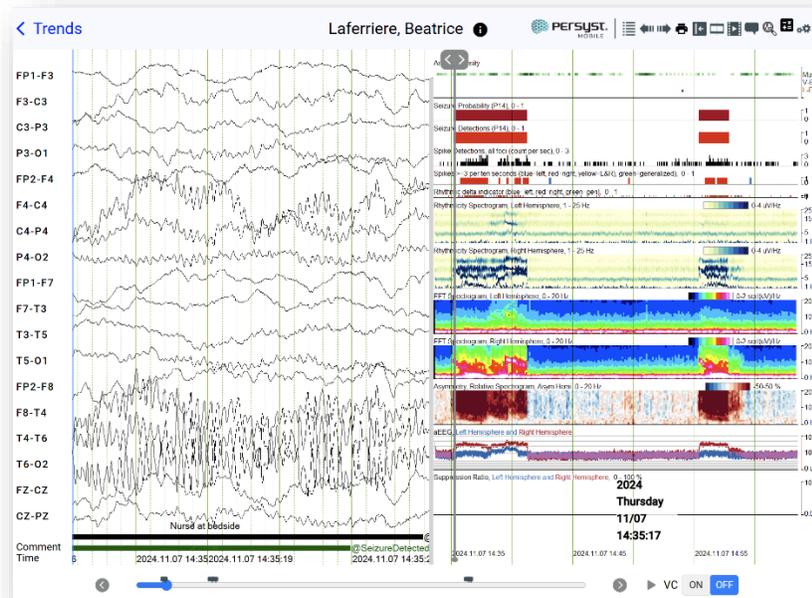


Image: Split Screen View with Comments

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

18.4 Comment Editor (EEG View)

Comments can be added to a patient record with the Comments Editor. After positioning the time cursor on the time of interest, tap on the Comments Editor button (🗨️) in the top right button bar of the page. A comment flag will appear, and the User can type a free-text comment into the blank field. Duration can be added to a comment, initiating two comment flags to appear. Users can enter duration comments such as “Seizure start” and “Seizure end.”

To specify a timepoint for a comment, tap and drag the Time Cursor to a selected timepoint for the comment then to tap the Comment Editor button to add a comment. Alternatively, tap the Comment Editor button then tap and drag that Comment flag or swipe the EEG display to navigate the EEG to the desired Comment End time. Date and timepoint for the comment appear in the Comment Flag in the Time field.

Type the text comment into the empty text field. Tap “Add” to save the comment to the record. Tap “Cancel” to cancel. If a keyboard is attached to the iOS or Android device, comments can also be added via Standard Comments keyboard shortcuts.

Comments are automatically saved to the Persyst file (.lay file) associated with the digitized EEG data located on the local server. Comments added to a record are visible and editable by all Users on the Persyst Mobile Server with access to that patient record.

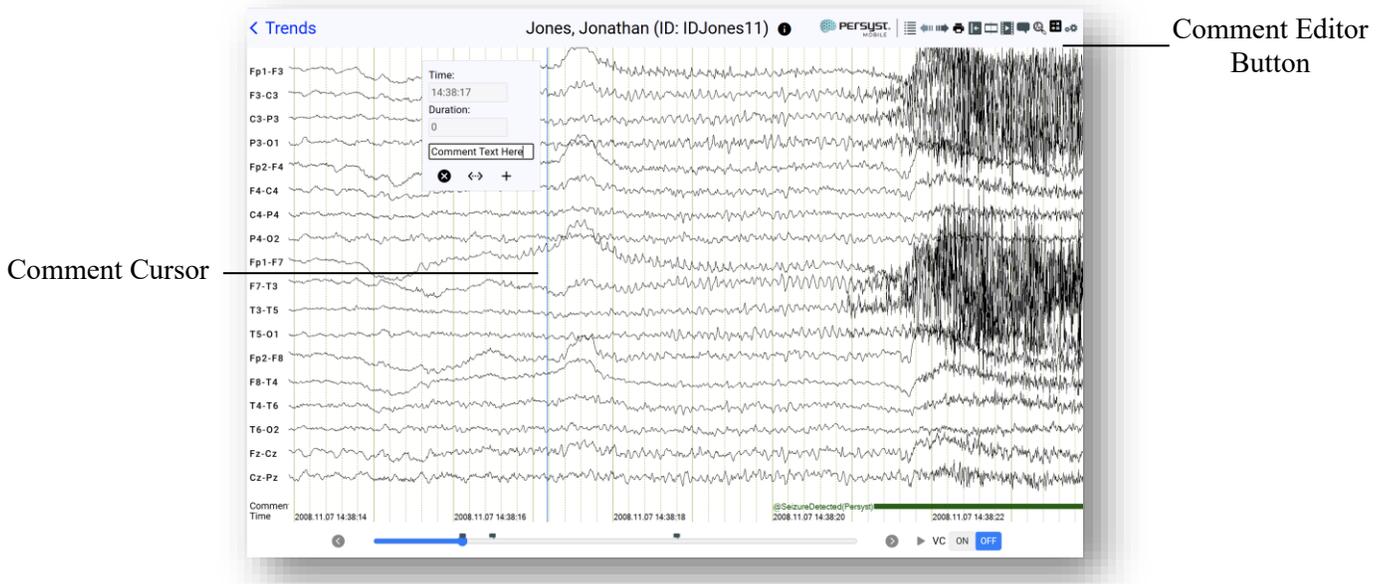


Image: Comment Editor (EEG View)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

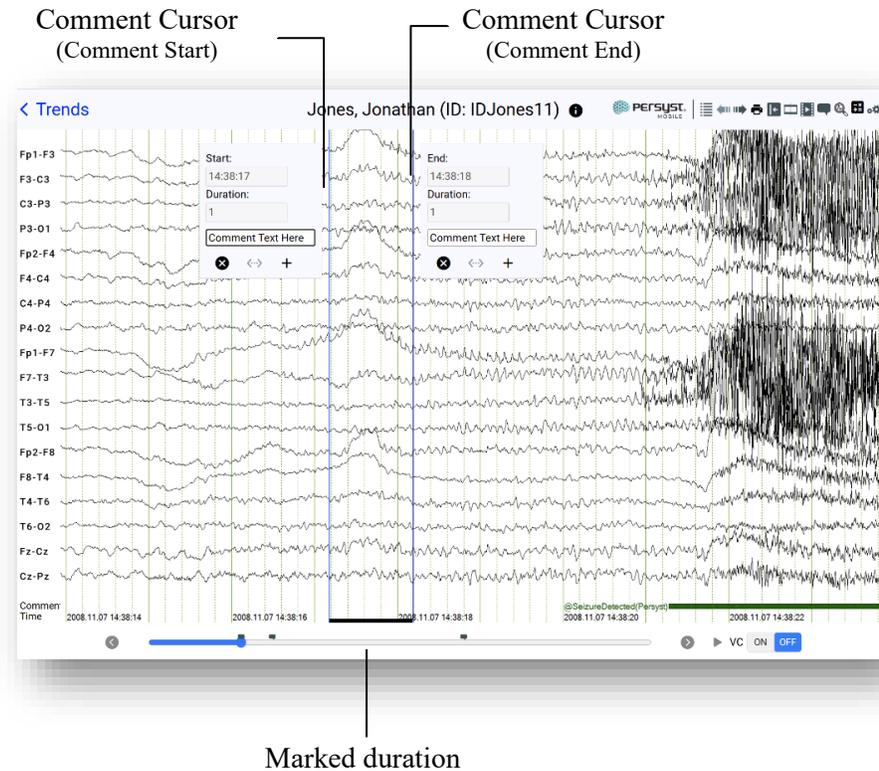


Image: Comment Editor – Duration Comment (EEG View)

- Add a duration by selecting the “<->” button. A second flag and cursor will appear. Tap and drag that Comment flag or swipe the EEG display to navigate the EEG to the desired Comment End time. Date and timepoint for the Comment Start and Comment End appear in the Comment Flag in the Time field. Comment duration, in seconds, appears in the Duration field.
- Type the text comment into the empty text field.
- Tap “Add” to save the comment to the record. Tap “Cancel” to cancel.
- If a keyboard is attached to the iOS or Android device, comments can also be added via Standard Comments keyboard shortcuts.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

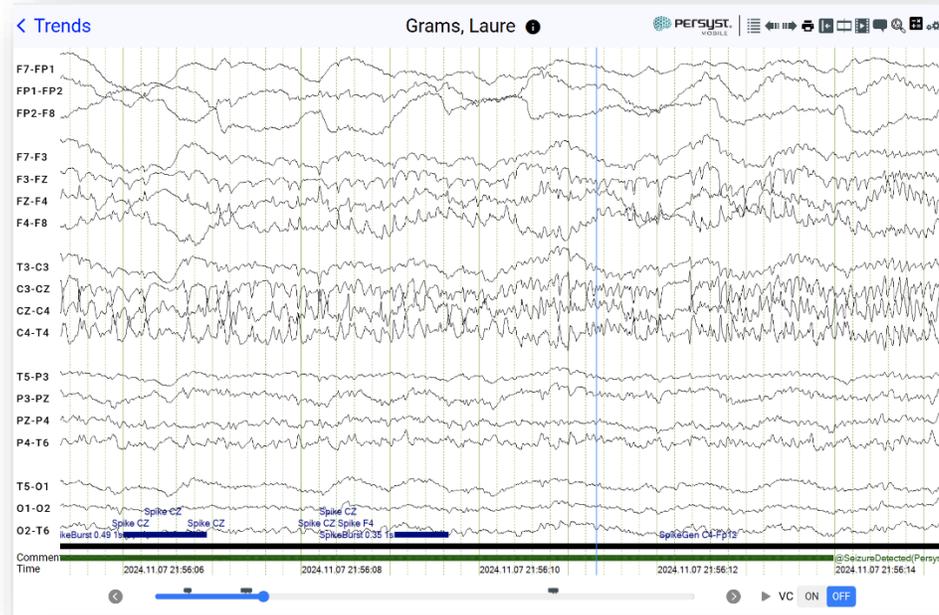


Image: EEG View with Comments

- Comments without a duration will appear in the Comment Bar as text.
- Duration comments will be displayed as a thick black line for the duration of the comment.
- If more than one comment is present at a given timepoint, comments will be stacked.

Comments can be edited or deleted by navigating to the comment and tapping on the comment icon as it appears in the Comment Bar, located above the Navigation Bar. Tapping once on the comment allows the user to Edit or Delete a comment.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

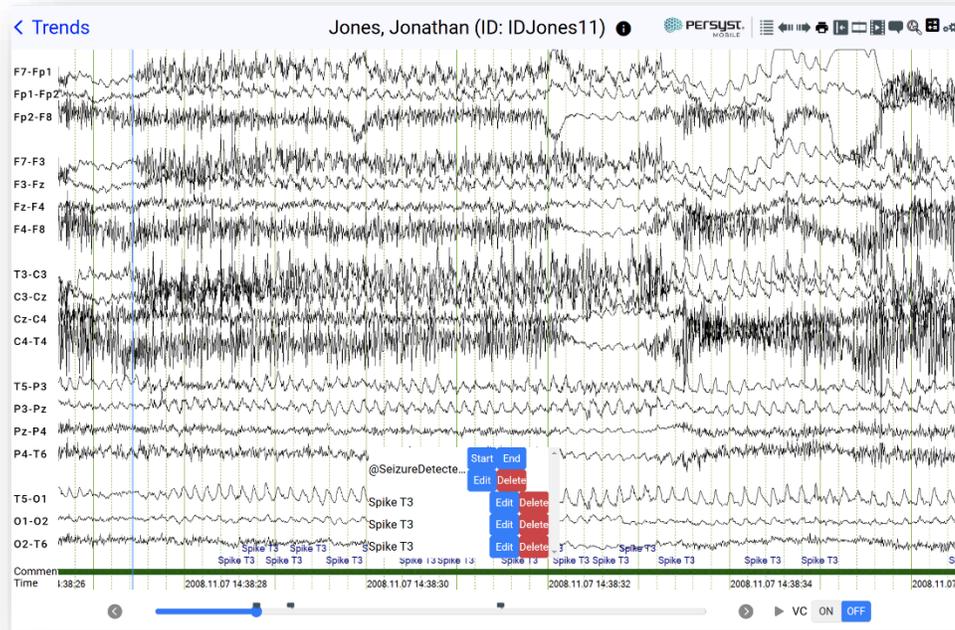


Image: EEG View with Comments – Tap Comment to Edit

- Tap once on a comment in the Comment Bar to view the comments at that time point.
- Tap on a comment to Edit.
- Tap “Delete” to delete a comment.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

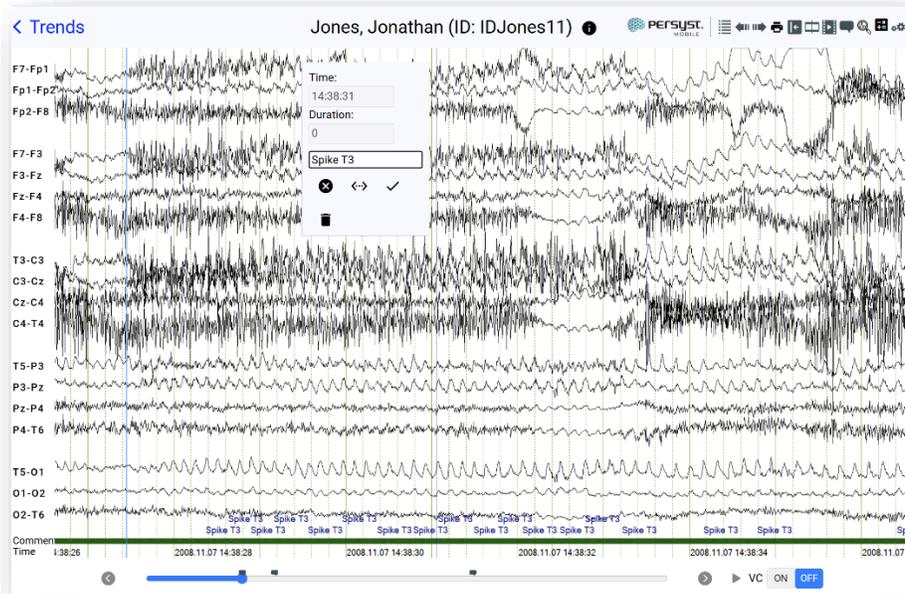


Image: Comment Editor – Accessed by tapping on a comment in the Comment Bar

- To edit a comment, tap on the comment text, edit the comment as desired, and tap the check icon (✓) to update the comment.

18.5 EEG Video Window

The EEG Video Window can be accessed by selecting the video button (film with play button) on the EEG View button bar.

The EEG Video Window can be moved about the EEG View page by selecting and dragging anywhere on the Video window.

The video is synchronized with the left edge of the EEG display.

Quality of the EEG Video View is dependent on the original recording video quality of the OEM recording system. If there is no video associated with the EEG, the EEG Video Window will show “No Video.”

Video controls are found below the EEG Video display.

If audio is present with the Video, audio volume can be controlled in system settings on the device.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

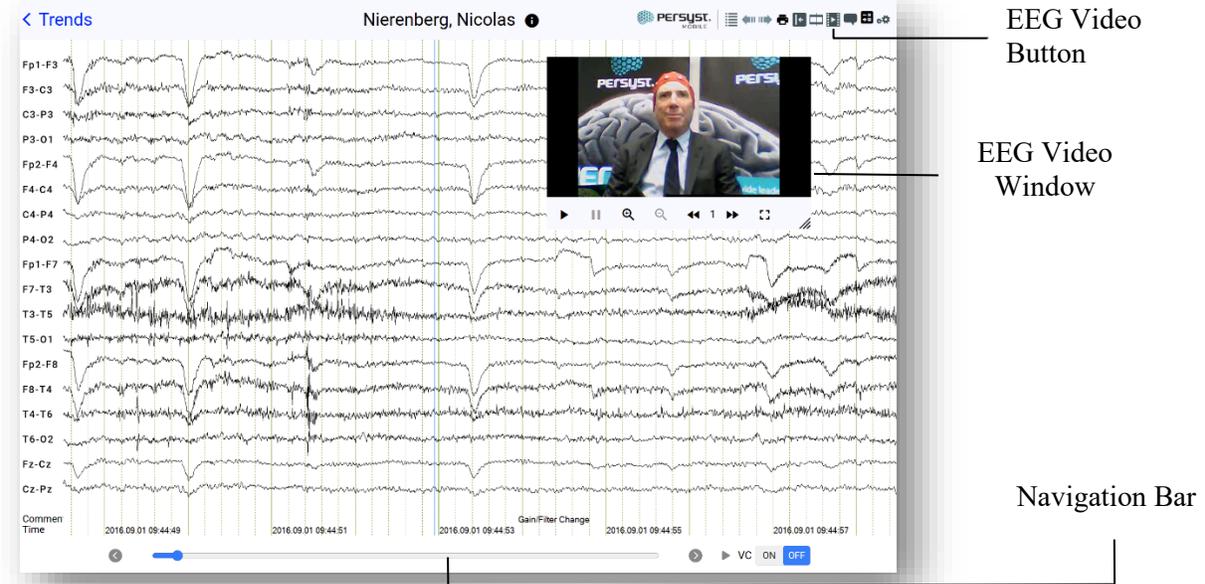


Image: EEG Video Window within EEG View

- **Navigation Bar:** Video is synchronized to the left edge of the EEG display. It is additionally synchronized to the time cursor in Trends View.

Tap and drag the radio button in the navigation bar or use the page back (<) and page forward (>) arrow keys to navigate to a specific time in the record. If a keyboard is attached to the iOS or Android device, the User can also navigate with keyboard shortcuts.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Images: EEG Video Window

- *Play*: Starts video playback.
- *Pause*: Pauses the video playback.
- *Zoom*: Zoom in or out the video image.
- *Playback speed*: Change the playback speed between 0.25 to 4.
- *Full Screen*: Tap to open EEG Video Window in Full Screen Mode. Tap again to return to normal size.
- *Resize*: Resize the EEG Video Window

18.6 Spike Review (EEG View)

Note: Spike Review is available on devices with a minimum screen size greater than 900 pixels in both width and height.

If the Persyst Trends include spike detections, they are available for more detailed review by clicking on the Spike Review button.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Image: Spike Review (EEG View)

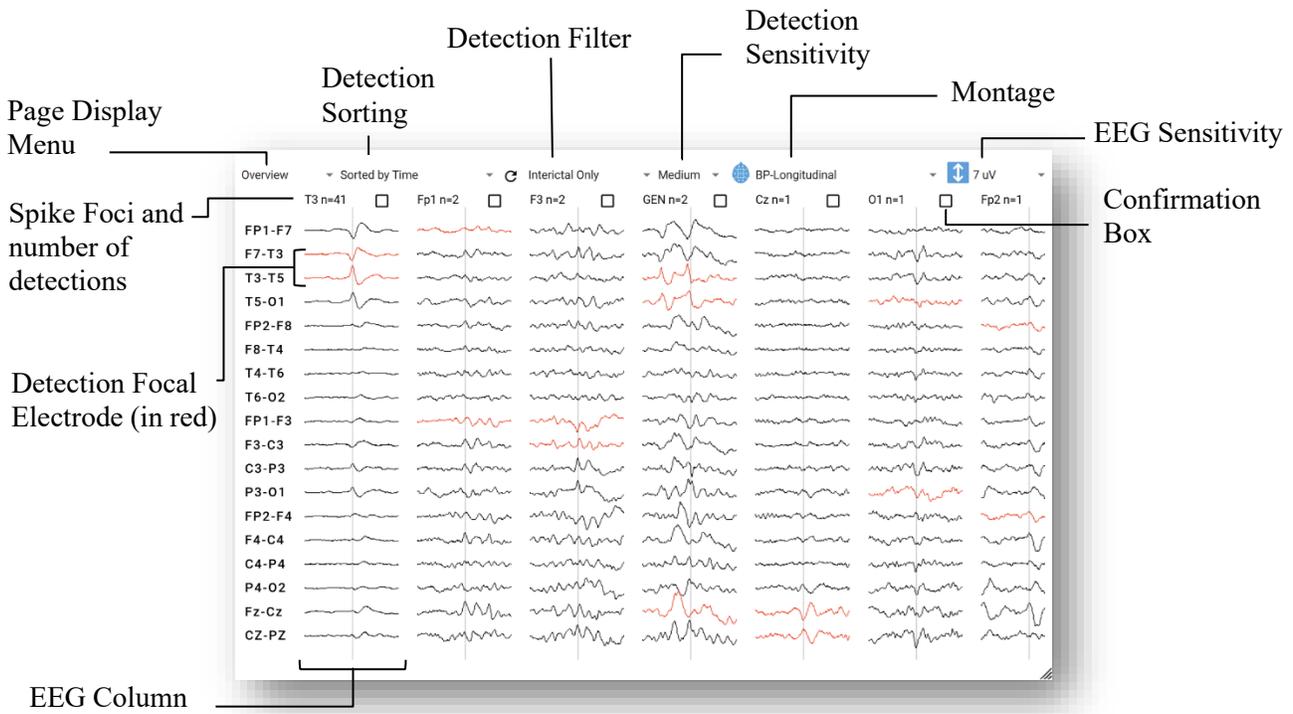


Image: Spike Review Overview Page

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Overview:* The Overview page depicts averages from the various spike foci detected by Persyst's Spike Detector. To create these overview averages the spike detections are sorted by detection foci (electrode) and then all detections at a particular focus are mathematically averaged.
- *Page Display Menu:* Select how the spike detections should be displayed. The Overview page is the default display. Other page options include All Spikes, Final Report, and a page for each Spike foci.
- *EEG Column:* Each EEG column represents a distinct group average. The primary electrode focal point of each average, and the number of detection events incorporated into each average, are shown above the columns of EEG. Generalized spike averages have the prefix "Gen=" e.g., "Gen n=108" Channels including the detection focal point electrode are highlighted red. EEG waveforms display 1 second segments with the peak of the spike centered 500 milliseconds into the segment.
- *Confirmation Box:* Confirms the spike detection(s) should be included in the Final Report. Checking this box adds the spike detection to the confirmed average for the detection's foci. On the *Overview* page, the check box adds all spikes in the group to the confirmed average for that detection foci. A white, or empty, box indicates no spikes from the group are confirmed. A dashed box indicates that some but not all of the spikes within a group are confirmed.
- *Detection Sorting:* Sorts the order of the spike groups or individual spikes by Count, Time, Amplitude, Perception, Electrode, Similarity, or Show Confirmed First.
- *Detection Filter:* Filters spike detections by interictal spikes or displays all spikes.
- *Detection Sensitivity:* Adjusts the detector's sensitivity to identify spikes at a low, medium, or high sensitivity. The Spike detector uses a medium sensitivity as the default level to identify sharp transients that have a high probability of being epileptiform abnormalities.
- *Montage:* Selects the desired montage to display the EEG waveforms of the spike detections. Montages made available in this list are the same montages available in the EEG view.
- *Sensitivity (EEG Waveforms):* Selects the vertical scale for the display of voltage, in microvolts, within each channel.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

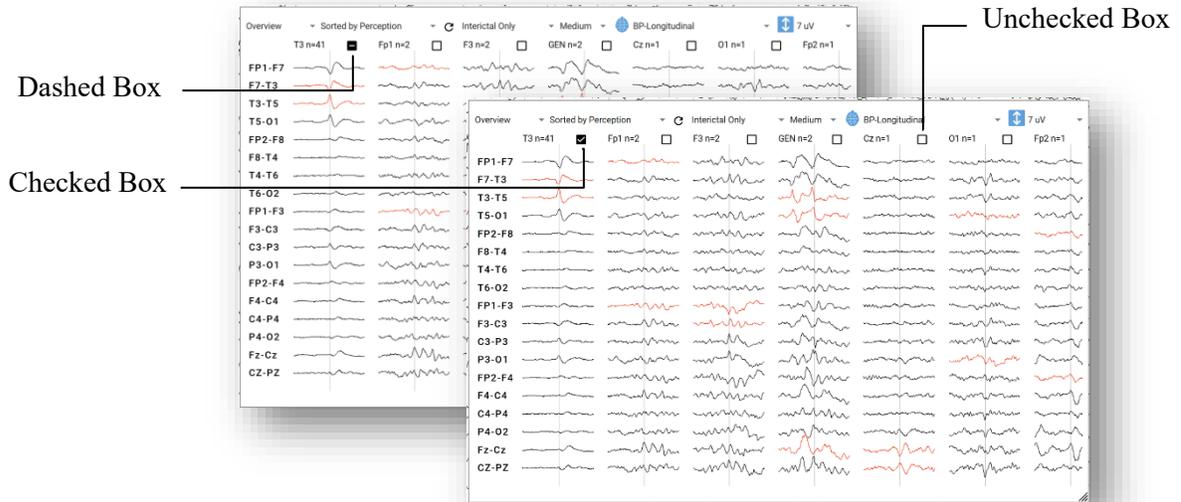


Image: Confirmation boxes on Overview Page showing different inclusion statuses 1) a dashed box indicating some spikes in the detection group are confirmed, 2) a checked box indicating all spikes in the group are confirmed, and 3) unchecked boxes indicating no spikes in the group are confirmed.

Single-click on a group’s EEG column to navigate to a view of the raw (non-averaged) spike detections with a set of voltage maps to compare the individual detections to the group’s confirmed average.

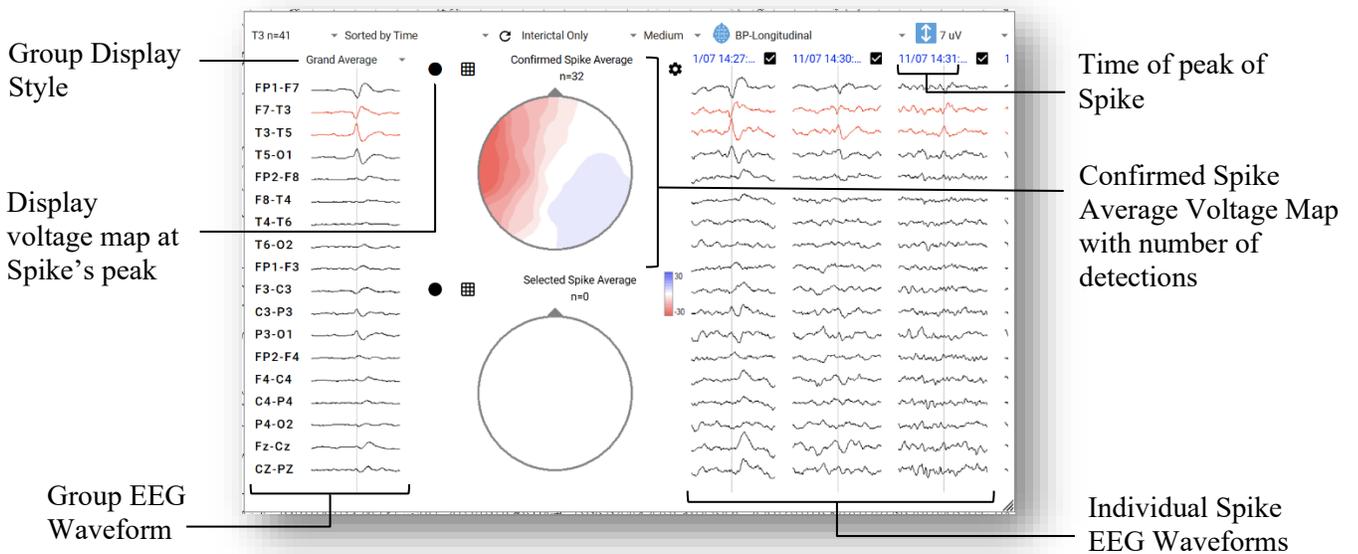


Image: Spike Detection by foci group electrode T3 displaying the Grand average of all confirmed spike detections

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Group Display Style:* Select the display style for the grouping of the confirmed and selected spikes: Grand Average of all confirmed, Selected Spikes over Confirmed Average, and Selected Spikes over Each Confirmed.
- *Group EEG Waveform:* The average EEG waveform of confirmed or selected spike EEG Waveforms based on Display style selection. The number of confirmed spikes is listed above the voltage map as “n=”, e.g. “n=32”
- *Individual Spike EEG Waveform:* Columns for each individual spike in the foci group. The top of the column displays the time in the EEG record of the peak of the spike.

Click on the time to navigate to the spike in the continuous EEG recording.

Use the confirmation boxes to indicate which individual spike detections should be included or excluded from the Confirmed Spike average.

Click and Drag on the waveforms to scroll through all the individual spikes.

- *Confirmed Spike Average Voltage Map (Peak):* Voltage map displaying the confirmed average EEG signal at the peak of the spike.

Select a spike for consideration by clicking on the waveforms of the EEG Column. Selected spikes will be outlined in a thin black line.

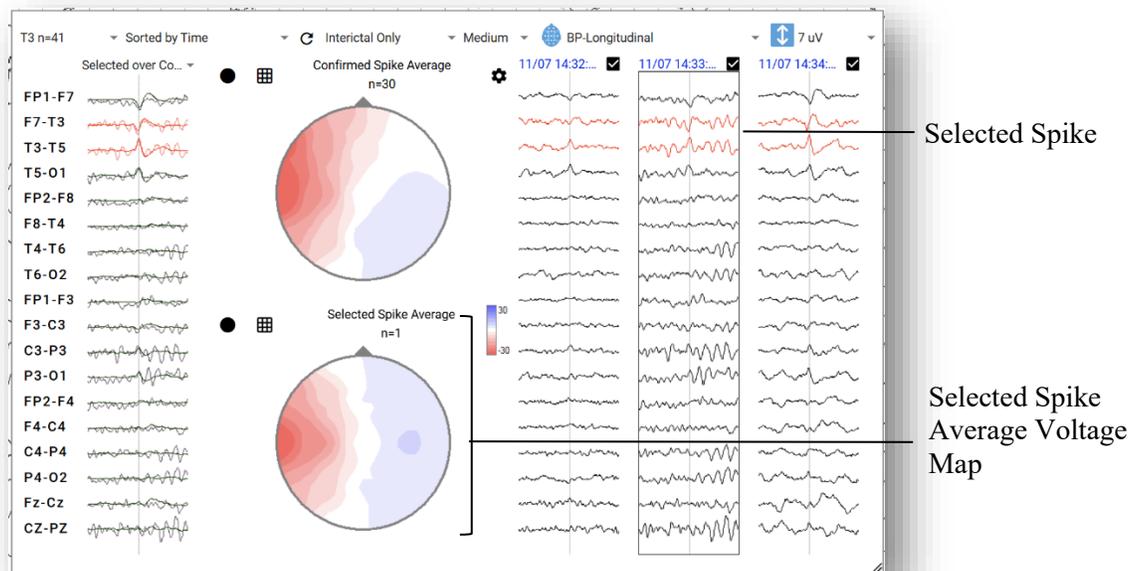


Image: Spike Detection by foci group electrode T3 displaying Selected over Confirmed Spike Average

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Selected Spike*: Spike is selected for viewing in the Group Display or in the Voltage Map. A spike selection does not change the confirmation status of the spike. Use the Ctrl + Click to select multiple, or Shift + Click to select a range of spikes to create an average selected spike group.
- *Selected Spike Average Voltage Map (Peak)*: Voltage map displaying the selected average EEG signal at the peak of the spike.

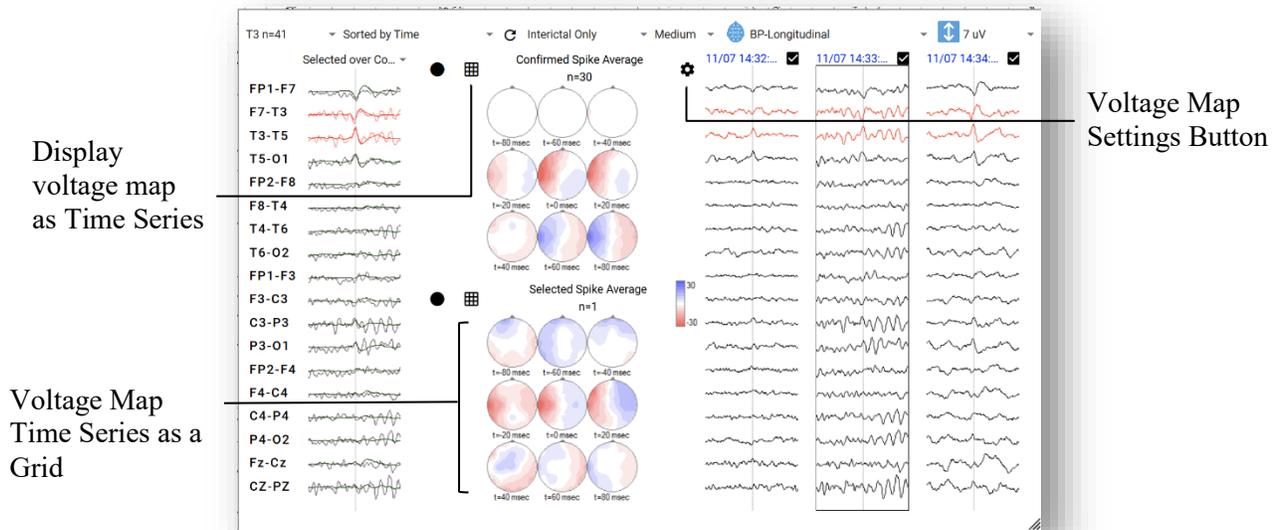


Image: Voltage Maps set to Time Series for Confirmed Spike Average and Selected Spike Average

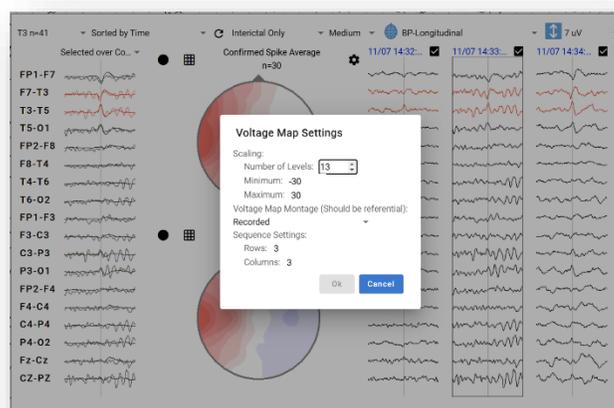


Image: Voltage Map Settings for Confirmed Spike Average

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Scaling Levels:* Select how many color levels will be present in the color palette for the range.
- *Minimum/Maximum:* Values for the range of the color palette
- *Voltage Map Montage:* Montage used to determine EEG signal values to plot in the Voltage Map.
- *Sequence Settings:* Select number of Rows and Columns to display in the time series grid. Each map will display the voltage of the EEG every 20 milliseconds along the spike's EEG waveform.

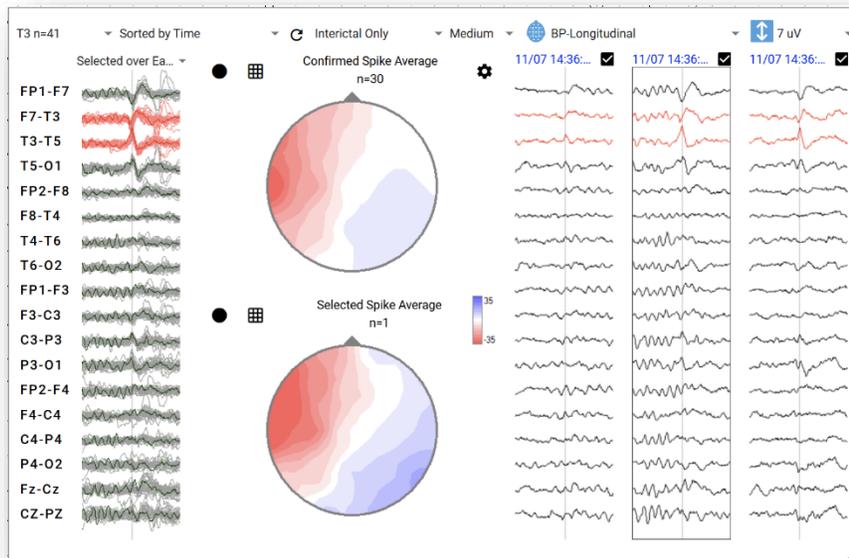


Image: Spike Detection by foci group electrode T3 displaying Selected over Each Confirmed

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

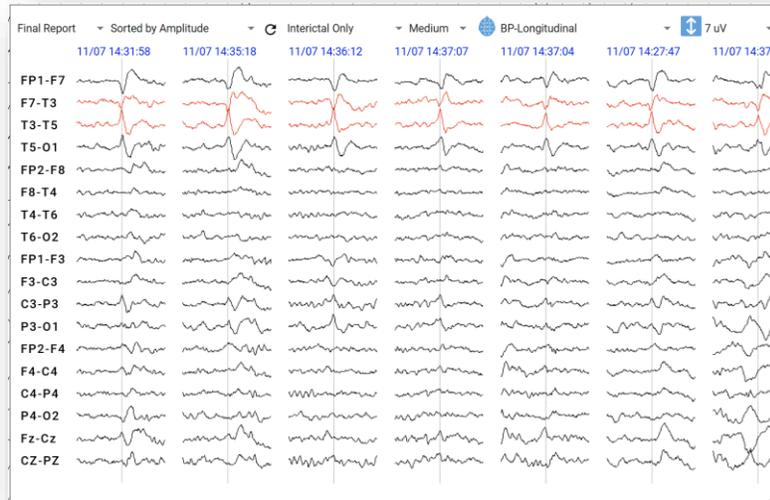


Image: Final Report showing all confirmed spikes

For more information on interpreting the Spike Review results, refer to the Persyst 15 Instructions for Use or <http://www.persyst.com> for video tutorials.

18.7 Analyze Tool (EEG View)

The analyze tool provides quick statistics on a selection of EEG. Once the Analyze button is clicked, the cursor becomes a crosshair icon (+) to select a region of EEG. Click and drag on the EEG to select a region and the EEG Analysis window will display the statistics for that region. The statistics include start time, end time, duration of the selection, minimum and maximum voltage of the range, the range of voltage, and the frequency. The frequency per channel is calculated from the zero-crossings in the selected range.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Image: Analysis Tool (EEG View)

18.8 Settings (EEG View)

The EEG Settings can be accessed by selecting the settings button (gear icon) at the top right of the EEG View. The user can select the montage, page duration, sensitivity, filters, AutoScroll speed, font size, as well as additional display settings. EEG View settings are User-specific and are not applied across Users on the Persyst Mobile Service.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

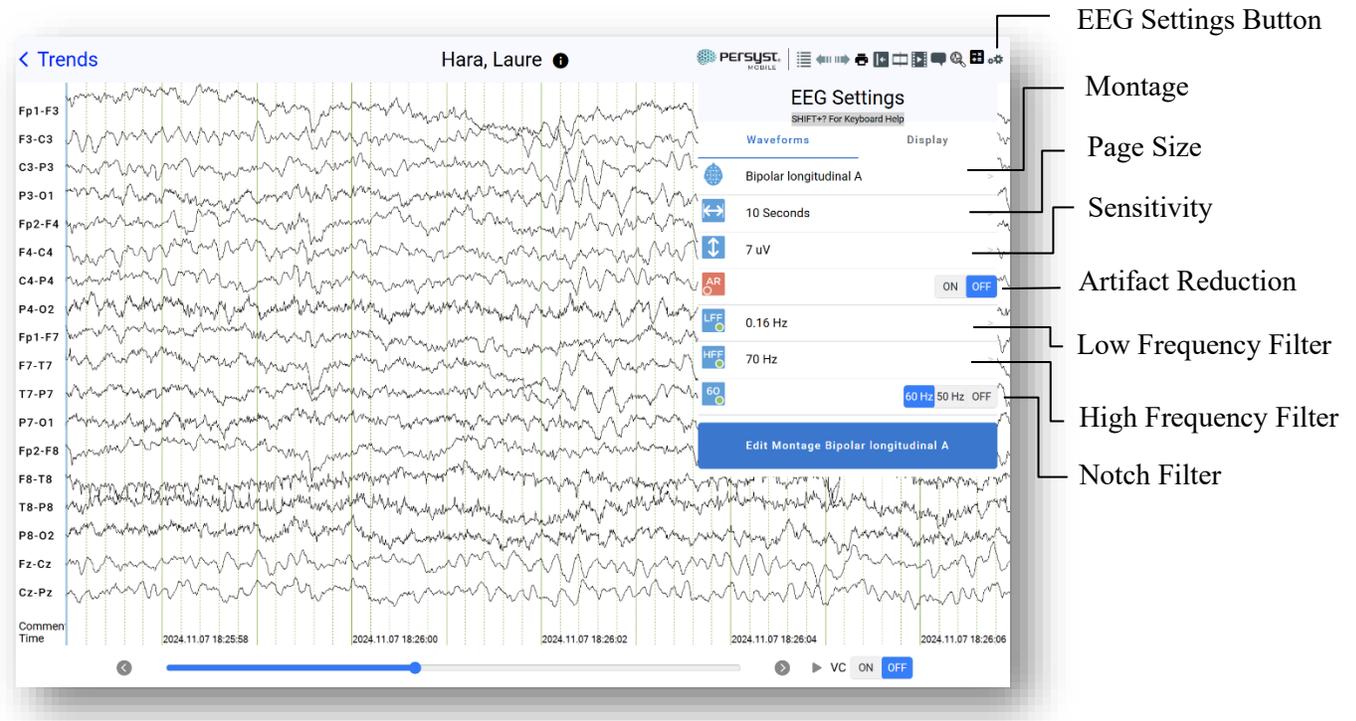


Image: EEG Settings (EEG View)

- **Keyboard Shortcuts:** Press Shift+? on the keyboard for a list of available keyboard shortcuts.
- **Montage:** Selects the desired montage to display the EEG data. Montages made available in this list are selected within *Montage Settings* in *Settings*.

If a Patient-specific Montage is present, that montage will also appear in the drop-down list and display (Patient) after the Montage Name.

- **Page Size:** Select the desired number of seconds per page to be displayed within one page on the EEG Display.
- **Sensitivity:** Selects the vertical scale for the display of voltage, in microvolts, within each channel.
- **Artifact Reduction:** Applies Artifact Reduction to the displayed EEG waveforms. When Artifact Reduction is toggled “on”, the original unfiltered EEG waveforms, seen as light gray, are displayed with the filtered EEG waveforms.
- **Low Frequency Filter:** Selects the value, as time constant, of the Low Frequency Filter (LFF) that is applied to the EEG before it is displayed.
- **High Frequency Filter:** Selects the value of the High Frequency Filter (HFF) that is applied to the EEG before it is displayed.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Notch Filter:* Selects where the Notch Filter is turned on. The value of the Notch Filter can be set to 60 Hz or 50 Hz.
- *Display Settings:* Navigates the User to Display Settings for EEG View.
- *Edit Montage:* Navigates to the Edit Montage Page for the currently selected Montage. Editing a Montage within this page creates a Patient-specific montage, specific to the Patient record, and will be seen across all Users on the Persyst Mobile Server with access to the Patient record.

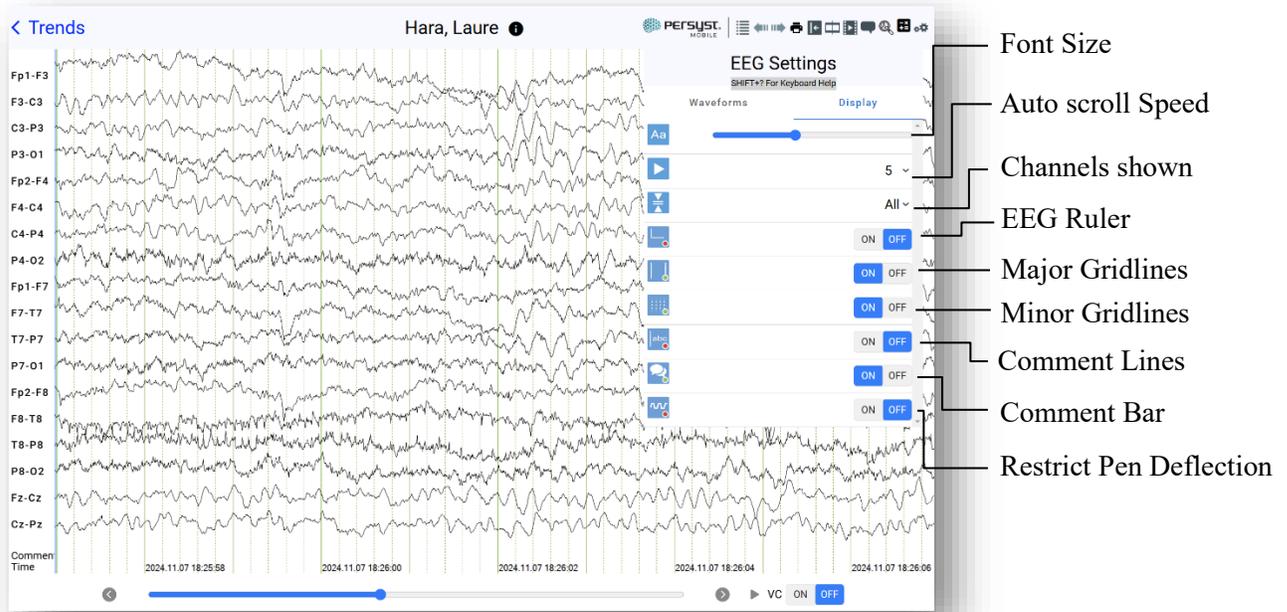


Image: EEG Settings (EEG View) – Display Settings

- *Font size:* Change the font size of all text displayed within EEG View.
- *EEG Ruler:* When turned on, displays an EEG ruler at the bottom right of the page. This ruler can be moved around the EEG display by tapping and dragging.
- *Minor Gridlines:* Select to display minor gridlines on the EEG Display, drawn every 200 milliseconds.
- *Major Gridlines:* Select to display major gridlines on the EEG Display, drawn every 1 second.
- *Comment Lines:* Select to display vertical lines that indicate the time of a comment on the EEG display.
- *Comment Bar:* Turns on or off the display of comments in the Comment Bar.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

- *Restrict Pen Deflection:* Select to limit waveform excursion to the vertical width of each channel. If this option is not selected, then waveforms can traverse the entire vertical range of the waveform display.

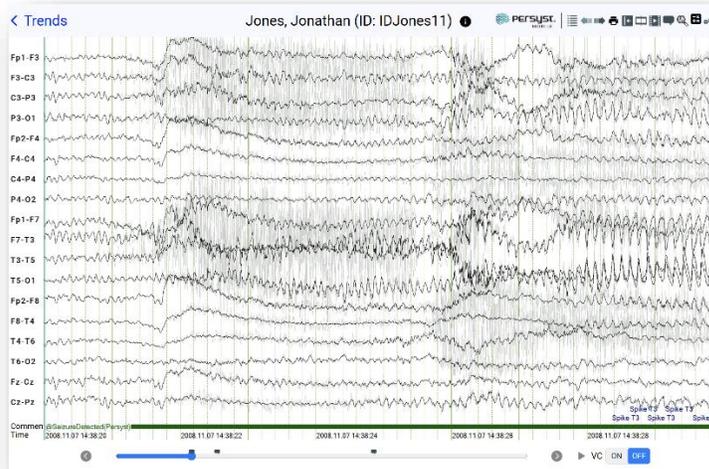


Image: EEG View with Artifact Reduction Turned On

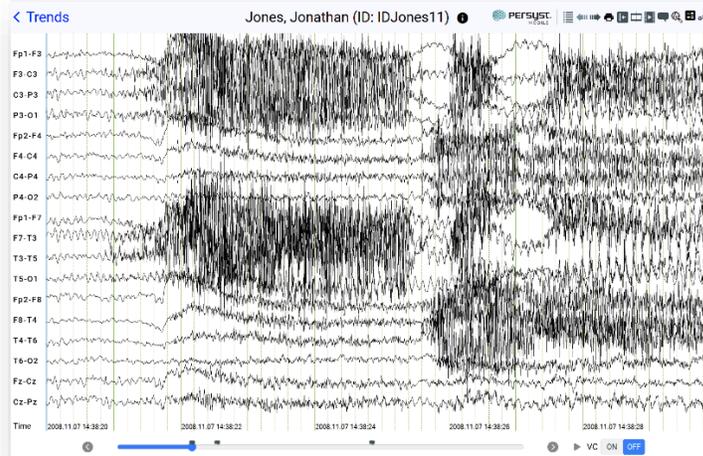


Image: EEG View with Comment Bar Turned Off

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

18.9 Edit Montage (EEG View)

Note: The Montage Editor is available on devices with a screen size greater than 900 pixels in both width and height.

Selecting the Edit Montage button in EEG Settings (EEG View) allows the user to edit the currently selected montage within the patient record. Editing a montage within a patient record will create a montage specific to that patient. Once saved, the montage name will be appended with “(Patient)” to indicate that it is a patient-specific montage. This montage will be seen across all Users who have access to the selected patient record.

To create or edit a Montage to use across patients and other details like Average References, go to the *Montage Editor*. Montages created or edited through the settings menu will be appended with the word “(User)” and will only be available to the user who created them but can be used across patient records.

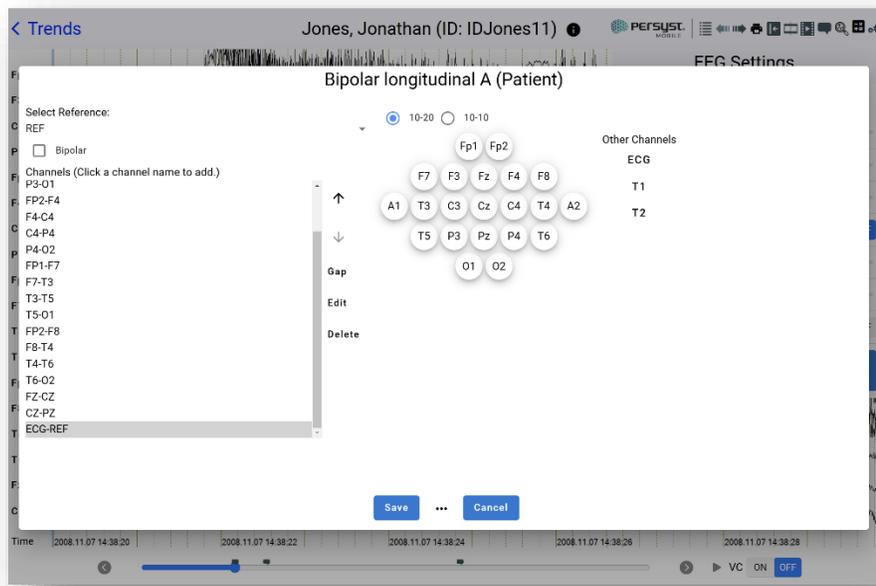


Image: Edit Montage (EEG View)

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

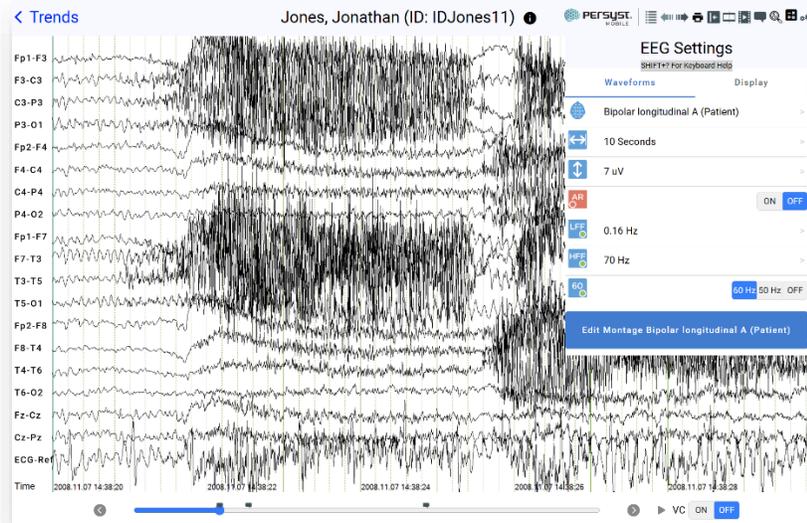


Image: EEG View with Patient-specific Montage selected

18.10 Quick Montages (EEG View)

Note: Users must have a keyboard attached to the iOS or Android device to access this feature.

QuickMontages are another way for the User can select a montage for viewing EEG. Press Ctrl+m on the keyboard to initiate the QuickMontages window.

Montages displayed in the QuickMontages window will list Patient-specific montages first followed by montages in alphabetical order. Position of a montage within the list will control which numeric keyboard command will initiate that montage. Numeric keyboard shortcut is displayed as a number of 1 through 9 to the left of the Montage Name. Within the QuickMontages window, Users can navigate the montage list using the up (↑) and down (↓) arrow keys on the keyboard or by scrolling. Press enter or tap on the montage or to apply the selected montage to the patient record. Press escape to exit the QuickMontage window.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

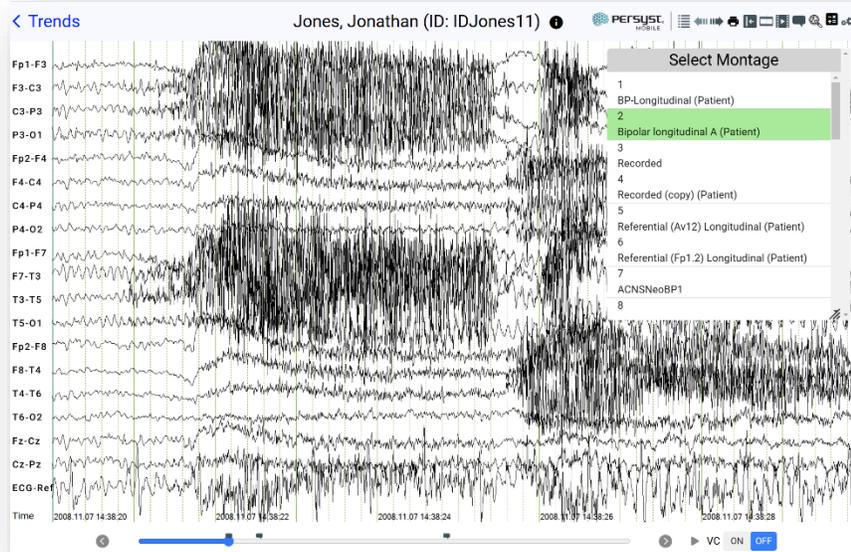


Image: EEG View with QuickMontage menu

18.11 Hardware Group Selection (EEG View)

Note: This feature is only accessible via the Web Client in a browser with a window greater than 900 pixels in both width and height.

When an EEG recording has a significant number of channels beyond a typical 10-20 scalp EEG, the EEG View will present a menu to display channels by the first letter in the channel name. Intracranial EEG electrodes are labeled with a letter, otherwise known as a hardware group. This feature allows the user to view the channels by one or more hardware groups in the EEG View.

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)

Hardware Group Selection

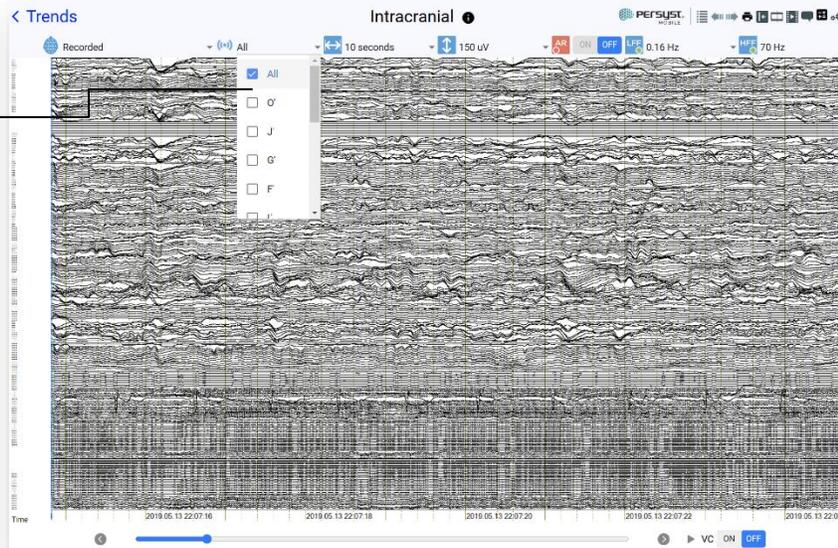


Image: Drop-down menu showing options for displaying specific hardware groups with “All” groups selected

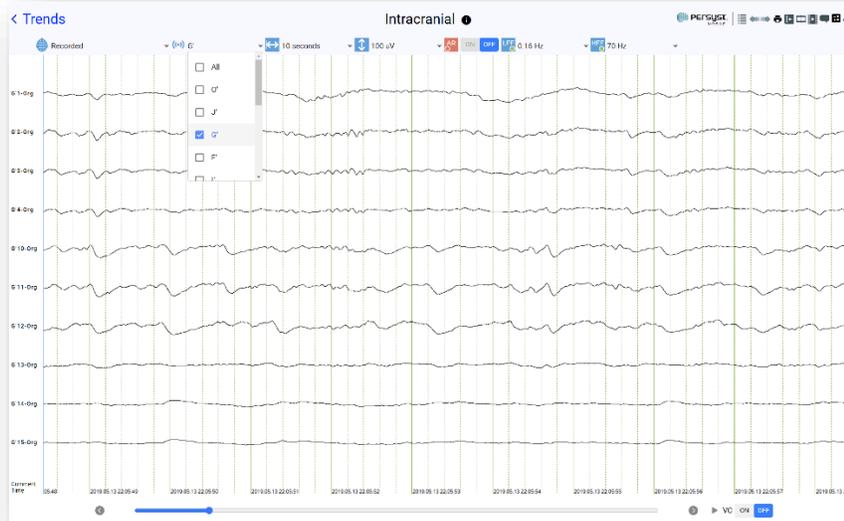


Image: Drop-Down menu showing one hardware group selected and displayed

PERSYST MOBILE APP INSTRUCTIONS FOR USE (IFU)



Image: Drop-Down menu showing two hardware groups selected and displayed

19. Troubleshooting

- The most common issue will be a loss of network connectivity. In this case you may receive various error messages that are generally self-explanatory. Make sure that the connection to the Wi-Fi or Cellular network is strong and that the VPN (if in use) is connected. By logging out and going to the connections page you can verify the connection status by tapping on the appropriate button.
- If Persyst Mobile App for iOS or Android you installed unexpectedly quits, stops responding, or won't open, follow these steps on your device:
 1. Restart the app
 2. Close the app and open it again
 3. Turn your device off and back on
 4. Check for iOS and Android app updates
 5. Make sure that you're using latest version of iOS or Android
 6. Open the App Store or Google Play Store and tap Updates
 7. If updates are available, tap Update
 8. If asked, enter your Apple ID password
 9. You might need a Wi-Fi connection to update some apps
- To close an app on an iOS device:
 1. **Access the App Switcher:** Swipe up from the bottom of the screen and pause in the middle (or double-click the Home button on devices with one).

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2. **Locate the App:** Scroll through the open apps to find the one you want to close.
 3. **Close the App:** Swipe the app's preview card up and off the screen.
 4. The app is now closed.
- To close an app on an Android device:
 1. **Open the Recent Apps Screen:** Swipe up from the bottom and hold (or tap the Recent Apps button if available).
 2. **Find the App:** Scroll through the list of open apps to locate the one you want to close.
 3. **Close the App:** Swipe the app's preview card up or tap the "X" (depending on your device).
 4. The app is now closed.
 - Contact the app developer (Persyst Development LLC)
 - On About Page users can obtain product support by contacting Persyst Support
 - If Persyst Mobile App is unresponsive (iOS) please contact Persyst Support.