



Lifelines iEEG Release Notes

Software Version 2.3
(2.3.7903.20224)

What's New in Version 2.3

2.3 Vision Scope

The initial vision scope of the 2.3 software project was to provide a software release, fully compatible to support the Lifelines T4 amplifier.

Due to unforeseen delays in a working firmware availability and several performance issues of the amplifier, a number of awaited Enhancement Requests were added to the project. These have now become the main scope of the 2.3 release and the T4 support moved to a later release.

The vision scope of the 2.3 software project is to deliver several awaited features like the 'iEEG2Go' feature, interfacing to vital signs monitors and NIRS monitors, ability to start recording in 'Manual' mode and switch to 'Online' during recording (important for clinical studies), improvements to the video feature and the ability to record video on the ED (JNS) systems.

It is therefore with great pride that we introduce 2.3 as a comprehensive software release, with enhancements that will benefit all our current markets: the home monitoring and the clinical routine market.

Below are the highlights of the 2.3 software release. List of all major Enhancement Requests follows. For further information contact support@kvikna.com.

Highlights of the 2.3 software release

iEEG2Go

The iEEG2Go feature is long awaited feature where an exam with/without video can be exported to an external hard drive, including the Review software. This means that this particular file can be read on any PC, without installed iEEG software. There are several options to choose from during the export. Separate iEEG2Go Quick-Guide available on Service Web.

Video enhancements

It is now possible to select from four (4) different video quality options when acquiring video. The resolution options have been optimized for this purpose (Enhan_Req-740).

A user interface is now available for support staff, facilitating the process of adding a new video camera to a system. Instructions available to support staff.

Video ability on ED (JNS) systems

JNS systems are now available as video systems with one or two cameras. Essentially same variants as Portable.

Measurement tool added

Measurement tool showing amplitude and duration is now available in Review toolbar as a toggle on/off button, a ruler symbol. This is a must-have according to our sales people.

Bulk Delete Button

A Bulk Delete button has been added to the Bulk Archive tab. When clicked, the user is asked to confirm the action.

Improvements to Fetch

Several Enhancement Requests were fixed to improve the performance of the 'Fetch' feature.

Miscellaneous

Furthermore, it is worth mentioning some important improvements such as:

- Traditional 6cm/hr overview for the aEEG Trend. Very important for the NICU market.
- Lock screen enhancements – it is now very easy to toggle on/off and adjust the contents of the lock screen, according to user wish.

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- Ability to start recording in 'Manual' transfer mode and switch to 'Online' transfer mode during recording. Important for clinical studies.
- NK file format supported, including video.

Moreover, like always – there was some essential gardening done in the code to boost performance of this wonderful EEG software!

Service Manual

As part of the 2.3 release, Kvikna will publish a Service Manual for the Lifelines iEEG systems. This guide will be available on the Service Web (see below).

Quick Guides

As part of the 2.3 release, Kvikna will publish the following Quick Guides:

- iEEG2Go Guide
- Prune Guide
- Acquire Pro – Start and Stop
- Acquire Touch – Start and Stop
- List of symbols
- Touch or Pro? Quick Tip

New Kvikna Medical Service Web

A New Kvikna Medical Service Web will be launched in early 2019. Its purpose is to serve our staff and distributors as the main information source from Kvikna Medical and to build our knowledge on products, systems, solutions, software and hardware. This is where we will have access to all kinds of support – sales, marketing, technical and clinical.

Implemented User Enhancement Requests

The following table lists enhancement request implemented in 2.3 that are based on customer reports from our sales and support staff, as well as from end users.

Reference	Description
ENHAN_REQ-182	Re-charge for exams older than 60 days and have not been archived. All exams that are older than 60 days (in the sense that there are more than 60 days since the exam - or its original - was imported) will be re-charged for on cloud servers.
ENHAN_REQ-397 ENHAN_REQ-445 ENHAN_REQ-701	Self-contained export. This is the iEEG2Go feature The feature enables the export of EEG, video, reports and Review app to an executable file. See iEEG2Go Quick Guide.
ENHAN_REQ-438	Add camera within iEEG Configuration graphic user interface. A Camera Configuration application has been created which talks directly to the recorder server service and allows the user to changing and adding cameras.
ENHAN_REQ-445	EEG2Go – Duplicate of ENHAN_REQ-397
ENHAN_REQ-543	Ability to toggle visibility of Review window in Acquire Pro.
ENHAN_REQ-545	Ability to set a duration of the zoom overview (Implemented in 2.2)
ENHAN_REQ-598	Printing of displayed exams in Review do not show applied montage
ENHAN_REQ-619	TrackIt 20/4 amplifier is now supported in the sw. This means that all Trackit Mk3 models are now supported.
ENHAN_REQ-626	A simple cursor on screen. Duplicate of ENHAN_REQ-709.
ENHAN_REQ-634	It is now easier to add trends both in Acquire Pro and Review. In Acquire Pro the Add Trend button is in the right sidebar. In Review the Add Trend “button” is in the top toolbar. Clicking Add Trend gives a UI for selecting a trend from a dropdown list and in the same window, you choose a channel for the trend.
ENHAN_REQ-643	Lock screen in Pro now has a toolbar on the right where the user can toggle on/off the panes in locked view: Trends overview, Review pane, Live pane and Video.
ENHAN_REQ-655	Video tab for Acquire Pro. Duplicate of ENHAN_REQ-670.
ENHAN_REQ-670	Video Tab in Acquire Pro added.
ENHAN_REQ-690	Report fields added: Reviewing Physician available in Physician field, Referring Physician as RequestedBy. Original Duration represented in datetime format and available as OriginalDuration field.
ENHAN_REQ-701	EEG2Go feature. Duplicate of ENHAN_REQ-397.
ENHAN_REQ-702	Make changes to the Prune function. See Prune Guide.

Reference	Description
ENHAN_REQ-708	Hide the minor version number in header and instead show just the '2.1' (major) version number. Duplicate of ENHAN_REQ-754
ENHAN_REQ-709 ENHAN_REQ-626	Measurement tool: Scale indicator. Shows amplitude and duration. Can be placed easily on any waveform on the screen and dragged to increase duration. Average amplitude is shown as well.
ENHAN_REQ-717	Camera Resolution. Duplicate of ENHAN_REQ-740
ENHAN_REQ-727	It is now possible to open Nihon Kohden formatted files in iEEG.
ENHAN_REQ-731	Update User Manual with compatible file formats.
ENHAN_REQ-740 ENHAN_REQ-717	Low Quality video is available for video recordings.
ENHAN_REQ-741	Video file duration is now 5 minutes by default. This makes pruning less CPU/disk IO intensive.
ENHAN_REQ-745	Direct edit of label cells/typing into fields in the Amp Setup possible.
ENHAN_REQ-749	Do not prune video files if not needed. See Prune Guide.
ENHAN_REQ-753	Prune on export enhancements. See Prune Guide.
ENHAN_REQ-754 ENHAN_REQ-708	Full version info from application title removed. Only Major and Minor version numbers displayed.
ENHAN_REQ-757	Video quality enhancement.
ENHAN_REQ-759	Allow the user to turn off balloon messages.
ENHAN_REQ-761	JNS systems now available with video option.
ENHAN_REQ-763	Traditional 6cm/hr overview available for the aEEG trend (all trends).
ENHAN_REQ-776	A 45 Hz high cut filter added in Acquire and Review.
ENHAN_REQ-781	Time of birth field in patient properties added (for newborns) and as a report field.
ENHAN_REQ-782	Switching from manual to auto upload during acquisition is now possible.
ENHAN_REQ-797	Server version is missing in information window.
ENHAN_REQ-804	'Other Signals' changed to 'Non-EEG Signals'
ENHAN_REQ-809	Burst Suppression units on trends.
ENHAN_REQ-812	Bulk Delete button added to the Bulk Archive tab. See user manual.
ENHAN_REQ-831	Allowed inactivity timeout increased to 9999 (was 999)
ENHAN_REQ-851	Fetch progress dialog enhanced.
ENHAN-REQ-852	Fetch on Client
ENHAN_REQ-856	Add the default US amplifiers (fixed in Issue-5013)
ENHAN_REQ-878	Provide a "Delete local copy" button for a recorded exam on an Acquire system
ENHAN_REQ-900	Acquire Touch needs an exam folder info button
ENHAN_REQ-901	Make Fetch more robust wrt. Time and exam id
ENHAN_REQ-903	Password expired policy supported on Acquire systems. See User Manual.