



# Kiber 3/3S Solution – System Release Note

## Iuventas Release

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## Scope

The purpose of this document is to inform Kiber Platform’s customers, prospects and partners of the most important SW and FW product developments introduced into the Kiber 3 solution in all the different areas of the system i.e. Devices’ FW, Mobile App as well as Web Interface.

## Introduction

VRMedia policy about SW/FW releases is to make available to all its customers with a valid support contract in place three releases per year with the following target schedule:

- March
- June
- October

Each release is named according to a Roman deity as ensemble while each SW/FW component released has its own release numbering following the three digits standard such as **X.Y.Z** where:

- The first **digit X** indicates the Major release and is increased whenever the SW includes substantial changes in the architecture, components or implements a new version of the product that makes it no longer backwards compatible with the previous one.
- The second **Y digit** indicates a Minor release and is incremented whenever the SW includes a new feature (or set of new features) or an enhancement of an existing feature, while maintaining backwards compatibility with previous versions.
- The third **Z-digit** indicates a patch release and is increased whenever the SW includes bug correction or stability improvements that do not introduce new features or enhancements to existing functions. Here, too, backward compatibility with previous versions is preserved.

## <luventas> Release Overview

We are continuously improving Kiber SW and FW to help you and your company to meet the business needs.

With this release, the app has been further improved with the addition of new and important features and made even more user-friendly. This is the result of Kiber’s constant commitment to increasing the productivity of employees at companies around the world, achieved thanks to thorough market research and careful attention to our customers’ needs.

The new Kiber 3 Field app now available in your App/ Google Play Store has a completely overhauled integrated configurator for Kiber devices and new features to optimise use. It also features a new user interface with a more efficient and intuitive dark theme, a more functional minimalist aesthetic and a mobile platform layout that focuses user attention on tasks.

In addition to the Kiber 3 Field app, the Kiber web application, software that provides full support to KS3 helmets in stand-alone or tethered mode, has also been updated. Support includes camera selection, battery status display, audio booster, image blurring, immersive remote display and remote web browsing display.

The new Kiber web application also offers better audio management, including secondary audio support on Firefox and Stereo Mix to optimise the user experience and improve audio during troubleshooting sessions. A timeout on screenshot requests has also been introduced, with automatic removal after three seconds and the sending of a notification to the user through a low-resolution image sampled from the video stream.

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## Kiber Web SW Release – Version: 3.6.1

## New Feature Summary:

*Support to K3S helmet**Improved management of audio**Timeout on Screenshot Requests*

## Features Descriptions

Feat-ID	Feature Name	Feature Description	Key Benefits
<b>FSD-449</b>	Support to K3S Helmet	Full support to K3S Helmet including camera selection, battery indicators, audio booster, image blurring, remote full-immersive view (Android), remote web browsing view (Android)	Unlocks all the K3S features on the remote side
<b>FSD-331</b>	Improved management of secondary audio exceptions	Audio Input exceptions (Firefox support to secondary audio, Stereo Mix)	Improved audio troubleshooting Better user experience
<b>FSD-322</b> <b>FSD-552</b>	Timeout on Screenshot requests	Screenshots requests are automatically deleted when a 3-seconds timeout expires and, in case no screenshot is received, users are notified and are made able to perform another request. A lo-res image, sampled from the video stream, is used in this case.	Improved troubleshooting Better user experience
<b>FSD-289</b>	System audio mute detection	System mute (i.e., from control panel or keyboard) is detected and the state applied to the mic indicator	Improved audio troubleshooting Better user experience
<b>FSD-323 (internal)</b>	Send direct message from expert to helmet/handcam	It is possible, for added flexibility and debugging, to send direct custom messages from the expert to helmet/handcam	More flexibility for remote control of Kiber Devices

## Bug Fixed

BUG-ID	Bug Description
<b>FSD-602</b>	Occasional improper behaviour of zoom bar upon switching camera from/to helmet
<b>FSD-564</b>	Leaving session during recording may cause video download to be aborted
<b>FSD-496</b>	Improper management of contemporary actions by two experts
<b>FSD-477</b>	Uploading previously saved screenshots causes yellow frame to appear twice
<b>FSD-455</b>	Full screen mode, GUI elements overlapping (2)
<b>FSD-414</b>	Full screen mode, GUI elements overlapping (1)
<b>FSD-389</b>	Upload images allowed to upload also non-image files
<b>FSD-385</b>	Expert name can contain improper values
<b>FSD-367</b>	Upload images occasionally not working after Switch Expert

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FSD-365	Occasional text annotation misbehaviour
FSD-356	Circular arrows annotation outside main area
FSD-351	Expert screenshare: zoom bar visible
FSD-335	Annotations outside main area
FSD-328	Helmet FileSystem delete File
FSD-321	QRCode on text chat
FSD-319	Helmet file transfer
FSD-306	File Transfer Upload
FSD-305	File Transfer Start
FSD-296	Session not yet started, missing time
FSD-295	Annotations outside main area
FSD-294	Chat window file upload
FSD-293	Arrow indications visible even when chat windows is open
FSD-292	Mouse wheel does not scroll chat window
FSD-244	Wrong alert appears when a download is complete
FSD-241	First page of uploaded pdf is rotated
FSD-477	Screenshots saved and subsequently uploaded multiple times present multiple frames
FSD-387	Create and Share Kiber Session, Start/End time might be wrong
FSD-383	Zoom slider up/down not working with arrow keys
FSD-377	Kiber Helmet file transfer utility
FSD-346	Decoder occasional jitter
FSD-343	Helmet video stream zoom bar has more than two levels
FSD-342	Remote audio icon can be in a wrong status after Switch Expert
FSD-333	Annotations bitrate
FSD-327	ScrollBar Helmet FileSystem
FSD-320	Helmet File Transfer
FSD-283	Display device Serial Number

## Frequently Asked Questions

### Q1: Does the new Kiber Web application supports K3S kits?

A1: Yes, it fully supports K3S helmets both in tethered and in stand-alone mode

### Q2: What happens if I request a screenshot and it does not get received?

A2: With the new Kiber Web application if, after a timeout of about 10 seconds, no screenshot is received from the field device, the user is notified, and a low-resolution image extracted from the real-time video stream is used instead

## Kiber Web SW Release Support & Planning

- Latest Officially Supported Version: 3.5 (March 2022)
- Next Planned Version. 3.9.0 @ December '22

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### Kiber Field App Release

#### New Feature Summary:

*Support to K3S Helmet*

*Integration with MS Teams*

*Full-screen Web Browsing*

*Cross-reality mode for Android third-party apps*

*New dark-theme based GUI*

*New Kiber Device Configurator*

#### Supported Operating Systems:

*iOS, Android*

#### Features Descriptions

Feat-ID	Feature Name	Feature Description	Key Benefits	Available for
<b>FSD-372</b> <b>FSD-420</b>	Support to K3S Helmet	The app can support a K3S Helmet tethered via USB to the smartphone, using the helmet camera and sending session streams to the helmet visors	The app enables K3S companion mode where the K3S Helmet exploits the smartphone connectivity and is able to access the new features enabled	Android
<b>FSD-416</b>	Integration with MS Teams	Exploiting the Azure Communication Services API, the app is able to connect to an MS Teams session and, if a K3S Helmet is connected, to allow access also to the Helmet.	Kiber devices can participate to MS Teams, ensuring interoperability with the most widespread video-conferencing platform	Android
<b>FSD-308</b>	Web Browsing	A web browser can be opened from inside the app. If a K3D Helmet is connected, the browser window is shown on the helmet visors in full screen.	Full screen web browsing on a Kiber K3S Helmet Enables web-based tutorials, step-by-step instructions, database access, etc.	Android
<b>FSD-402</b>	Cross-reality mode	If the app enters the share screen mode when a K3S is connected, the smartphone content is displayed on the helmet visors side-by-side with the camera view.	The app enables a Kiber Helmet to access a wide range of Android software that can be shown on the helmet visor while keeping, at the same time, the Helmet camera in a Kiber session	Android
<b>FDS-499</b>	New GUI	The app presents a brand new GUI built around a dark theme.	More efficient and user friendly interface	Android / iOS

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<b>FSD-503</b>	New Kiber configurator	The app integrates a completely revamped configurator for Kiber Devices	More efficient and user-friendly interface Interactive troubleshooting	Android / iOS
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## Bug Fixed

BUG-ID	Bug Description
<b>FSD-390</b>	App crash upon multiple consecutive screenshots
<b>FSD-380</b>	Wrong annotations on mobile
<b>FSD-375</b>	Freeze during playback recording (Offline mode)
<b>FSD-374</b>	Recording in Offline Mode (Offline mode)
<b>FSD-363</b>	Share Session Button on iOS not working
<b>FSD-358</b>	Configurator randomly not working (Kiber Configurator)
<b>FSD-357</b>	Switch Tab Log, Settings, Upload occasionally not working (Kiber Configurator)
<b>FSD-355</b>	QRCode wrist configuration malfunction (Kiber Configurator)
<b>FSD-348</b>	Wrong management of BLE errors (Kiber Configurator)
<b>FSD-340</b>	Device removal upon disconnection (Kiber Configurator)
<b>FSD-339</b>	Hanging on BLE connection (Kiber Configurator)
<b>FSD-334</b>	Helmet/Handcam naming problems (Kiber Configurator)
<b>FSD-332</b>	Simultaneous update management (Kiber Configurator)
<b>FSD-330</b>	Switch Helmet Connection (Kiber Configurator)
<b>FSD-318</b>	Delete Paired Device
<b>FSD-312</b>	Mobile screen sharing while expert sharing screen
<b>FSD-311</b>	Connecting Kiber Devices (Kiber Configurator)
<b>FSD-307</b>	Connection switch not correctly handled (Kiber Configurator)
<b>FSD-301</b>	Handcam Configuration Issue
<b>FSD-300</b>	Local GUI loading on timeout without language settings
<b>FSD-297</b>	Zoom bar erratic behaviour
<b>FSD-248</b>	Label WristController wrongly displayed (Kiber Configurator)
<b>FSD-232</b>	Missing language entries
<b>FSD-231</b>	Erratic behaviour of configurator upon quick enter/exit (Kiber Configurator)
<b>FSD-382</b>	QR-Code linked web pages not being displayed
<b>FSD-362</b>	Outbound bitrate not corresponding to remotely set thresholds

## Frequently Asked Questions

**Q1: Is it possible to connect a K3S helmet to a Teams session?**

A1: Yes, it is. The K3S helmet must be tethered to a smartphone running the Kiber 3 Field app. The link to the team session is required and must be inserted through the app.

**Q2: Is it possible to create a Teams session from inside the Kiber 3 Field app?**

A2: No, it is not possible yet.

**Q3: Do I need a K3S helmet in order to run the Kiber 3 Field app? Do I need the Kiber 3 Field app in order to use a K3S helmet?**

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A3: The Kiber 3 Field app and the K3S helmet can be used independently as it always was in the case of a K3 helmet. You need both the app and the K3S helmet only if you want to use the K3S helmet in tethered mode, which is needed in order to unlock special features like the cross-reality mode, the headset web-browsing mode, and the MS Teams mode.

### Kiber Field App SW Release Support & Planning

- Latest Officially Supported Version:  
Internal Release Number 3.5  
Store versions: iOS 2.4 (April 2022), Android 2.0.20 (April 2022)
- Next Planned Version. 3.9.0 @ December '22

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### Kiber Devices FW Release – Version: 3.6.1

#### K3 device

No FW release

#### K3S device

##### New Feature Summary

- Introducing K3S mode
- Possibility to use smartphone usb tethering connection

##### Features Descriptions

Feat-ID	Feature Name	Feature Description	Key Benefits
FFD-K3S-1	Support to usb tethering connection	possibility of using phone connection (cellular)	Possible always available connection
FFD-K3S-2	K3S mode: share smartphone content	Possibility to share content form smartphone to the helmet	Strong symbiosis between helmet and smartphone
FFD-K3S-3	K3S mode: immersive view	Possibility to view pdf/video/schematics on live view	Enhanced information on live streaming
FFD-K3S-4	Increased Video quality	Smoother video	Better experience
FFD-K3S-5	Smartphone audio playback/recording on K3S helmet	Audio smartphone playback/recording on K3S headset	Better experience

##### Bug Fixed (K3S Device)

BUG-ID	Bug Description
FFD-258	Increased video incoming MOBILE quality
FFD-251	Increased robustness in switching between kiber sessione
FFD-244	Expert video streaming buffered when smartphone app is in background
FFD-241	Improved switching in usb-tethering mode and k3s mode
FFD-239	Wifi mode/ usb tethering text fixed in visor helmet
FFD-238	Downstream Audio Management of Bluetooth Pairing on K3 Enhanced
FFD-231	Tethering following disconnection and reconnection of mobile cable
FFD-230	Improved screenshot switching
FFD-229	Improved expert screenshare transitions
FFD-211	handling of wifi and usb tethering connection
FFD-210	Audio buffered on switching from wifi connection to usb tethering connection and viceversa
FFD-203	Mobile screenshare corruption in K3S mode
FFD-202	Screenshare with mobile camera activated
FFD-200	Incorrect acquisition of audio downstream when enabling/disabling K3S mode

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<b>FFD-199</b>	Disturbance in the audio stream received by the Expert with Boost Active
<b>FFD-246</b>	Boot freeze
<b>FFD-268</b>	Mobile Streaming return time management downstream ScreenShare interruption
<b>FFD-270</b>	Multiple screenshots in offline mode
<b>FFD-265/FFD-278</b>	Sending Serial number to debug panel on webpage
<b>FFD-282</b>	Correct handling of usb tethering when activated ad boot time
<b>FFD-281</b>	Avoiding display connection when usb tethering in activated
<b>FFD-279</b>	In K3S mode is possible to use the configurator

### Frequently Asked Questions

**Q1: Does K3/K3S use the same firmware?**

**A1: No. K3/K3S use different firmware.**

**Q2: Can I use all the functionality of K3 in K3S?**

**A2: Yes, K3S is a device with extended functionalities.**

**Q3: Can I use both wifi and usb tethering mode connection at the same time?**

**A3: No, when K3S is usb tethered the wifi is turned off.**

**Q4: Can I configure the network when the device is usb tethered?**

**A4: No, since wifi is turned off when usb tethering is activated.**

### Kiber Devices FW Release Support & Planning

- Officially Supported Versions:  
Internal Release Number 3.5  
FW versions: 3.1.14.2 (K3), 3.1.5 (K3S)
- Next Planned Version. 3.9 @ December '22

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