LEICA BLK2GO PULSE

FIRST PERSON SCANNER
AUTONOMOUS REALITY CAPTURE

RELEASE NOTES
FIRMWARE VERSION 1.9.0 – 22nd October 2024

These Release Notes contain important information about the new Leica BLK2GO PULSE firmware version 1.9.0.

It is highly recommended to always use the latest firmware version for the BLK2GO PULSE.

FIRMWARE COMPATIBILITY

The BLK2GO PULSE and the new firmware version 1.9.0 is compatible with the following software:

BLK Live app (iOS and Android)	Version 2.2 or higher
Cyclone FIELD 360 (iOS and Android)	Version 5.2.1 or higher
Reality Cloud Studio, powered by HxDR	-
Cyclone REGISTER 360 PLUS	Version 2024.0.2 or higher
Cyclone REGISTER 360 PLUS (BLK Edition)	Version 2024.0.2 or higher
BLK Data Manager	Version 2024.0.1 or higher

It is recommended to use the BLK2GO PULSE together with one of the mobile device apps to ensure the best first-person scanning experience.

With immediate effect, the new firmware can be downloaded from myWorld @ Leica Geosystems customer portal: https://myworld.leica-geosystems.com

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FW UPDATE RECOMMENDATIONS

- It is recommended to run a "Factory Reset" after the firmware upgrade to ensure the proper installation of the firmware.
  - **Attention!** *Be aware that Factory Reset will delete all the data from your scanner. Make sure you saved your data prior to the Factory Reset.*

- To initiate the "Factory Reset" once you saved your data, please:
  - Visit the web server
  - Go to Settings
  - Confirm the Factory Reset

WHAT'S NEW

- Real-time filtering of displaced 3D points

Up until now, quick motions like sudden turns and accelerated movements led to a minor displacement of a few captured 3D points, visible as increased noise or partially outliers in the point cloud. With firmware version 1.9.0, such points are detected in real-time and removed, resulting in a visually more appealing point cloud.

IMPROVEMENTS

- Increased 3D point count

With firmware version 1.9.0, the BLK2GO PULSE can capture up to 20% more scan data per second in comparison to the firmware version 1.8.0. This significant increase in the 3D point count has several advantages, most prominently creating a denser point cloud. Also, the additional 3D points are beneficial to GrandSLAM, resulting in a more robust and accurate capturing performance.

- General Time-of-Flight improvements.

- General system stability improvements.

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BUG FIXES
- Minor bug fixes.

KNOWN ISSUES
- Download of the scan data through the device webpage or direct upload to Reality Cloud Studio, powered by HxDR does not yet have the Jobs, Tags and Links information available. Ensure to directly import the scan data into Cyclone REGISTER 360 PLUS or download using the BLK Data Manager to benefit from the work done within the new companion apps.
- If firmware update was interrupted in the middle, the device should be rebooted before restarting the process.