

LEICA BLK2GO & BLK ARC

HANDHELD IMAGING LASER SCANNER
AUTONOMOUS REALITY CAPTURE

RELEASE NOTES

FIRMWARE VERSION 4.2.0 – 27th of March 2025

These Release Notes contain important information about the Leica BLK2GO and Leica BLK ARC new firmware version 4.2.0.

It is highly recommended to always use the latest version of the BLK2GO and BLK ARC firmware in a compatible configuration.

FIRMWARE COMPATIBILITY

The BLK2GO running the firmware version 4.2.0 is compatible with the following software:

BLK2GO Live App (iOS and Android)	v1.4.10
BLK Live App (iOS and Android)	v2.2 or higher
Cyclone FIELD 360 (iOS and Android)	v5.2.1 or higher
Reality Cloud Studio, powered by HxDR	-
Cyclone REGISTER 360 PLUS	v2024.0.1 or higher
Cyclone REGISTER 360 PLUS (BLKEdition)	v2024.0.1 or higher
BLK Data Manager	v2024.0.1 or higher

The BLK ARC running the firmware version 4.2.0 is compatible with the following software:

BLK ARC-UI	*v3.1.0 or higher
BLK Live App (iOS and Android)	V2.2 or higher
Cyclone FIELD 360 (iOS and Android)	V5.2.1 or higher
Cyclone 3DR scripts for offline mission planning	v4.0 or higher
Cyclone 3DR	V2025.0 or higher
Cyclone REGISTER 360 PLUS	v2024.0.1 or higher
Cyclone REGISTER 360 PLUS (BLKEdition)	v2024.0.1 or higher
BLK Data Manager	v2024.0.1 or higher
Spot firmware	4.1.1 or higher
SpotCORE I/O firmware	4.1.1 or higher
BLK ARC API	v0.10.0 or higher

*The versions above are the recommended setup. The BLK ARC firmware version 4.2.0 is however still compatible with the BLK ARC UI v3.0.0.

With immediate effect, the new firmware can be downloaded from the myWorld customer portal <https://myworld-portal.leica-geosystems.com/> and the website <https://shop.leica-geosystems.com/blk2go-firmware>.

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RECOMMENDATIONS

- When using the device connected to the BLK Live app and/or Leica Cyclone FIELD 360, triggering the commands through the app icons is recommended (instead of the button on the sensor) for an improved scanning experience.
- We recommend using the new BLK Live app to access all the latest features. The BLK2GO Live app will be phased out soon.

WHAT'S NEW

- Image settings extended to disallow storing of images

This feature enables the BLK2GO and BLK ARC to not save captured images on the storage, ensuring a high degree of privacy. This will also result in a smaller file size and decrease of processing time; as the images are not stored, please note that the point cloud will not be colored. GrandSLAM performance is not affected, also when SLAM is reprocessed. This feature can be enabled through the device webpage and soon in the companion apps.

- Connecting Wi-Fi client to hidden SSID and PSK networks

This feature will allow to connect the device also to hidden Wi-Fi network.

- New LED behavior and improved power mode detection for BLK ARC.

When the BLK ARC is in "Data Only" mode, whether intentionally or due to an unexpected voltage drop or disconnection of the main power supply, the LED ring will illuminate **white**. This provides a clear visual indication of the current power state.

Scanning functionality is disabled when the BLK ARC is in "Data Only" mode. Users should ensure the device is in full power mode to enable scanning operations.

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IMPROVEMENTS & BUG FIXES

- GrandSLAM enhancements including improved on-device latency, dynamic initialization, timestamp accuracy.
- General system stability improvements
- Minor bug fixes.

KNOWN ISSUES

- The 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 Leica Cyclone REGISTER 360 PLUS or download using the BLK Data Manager to benefit from the work done within the field apps.
- The connection to the BLK2GO Live app will be possible in offline mode only. It means that the upload of scans to Reality Cloud Studio and downloading the upcoming firmware releases will not be possible. **Note:** The mentioned functionalities remain available to use within the BLK Live app.