

LEICA BLK2GO & BLK ARC

HANDHELD IMAGING LASER SCANNER
AUTONOMOUS REALITY CAPTURE

RELEASE NOTES

FIRMWARE VERSION 3.0.0 – 1st DECEMBER 2022

These Release Notes contain important information about the Leica BLK2GO and Leica BLK ARC new firmware version 3.0.0.

The firmware installation process (via Wi-Fi only) can take up to 30 minutes.

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

BLK2GO firmware	3.0.0
BLK2GO Live app (iOS)	1.4.8
BLK2GO Live app (Android)	1.4.8
Cyclone REGISTER 360	v2022.1.1
Cyclone REGISTER 360 BLK Edition	v2022.1.1
BLK Data Manager	v2022.1.1

BLK ARC firmware	3.0.0
BLK ARC-UI	1.2.0
Cyclone 3DR scripts for offline mission planning	1.0
Cyclone 3DR	v2021.2 or later
Spot firmware	3.2.x
SpotCore firmware	3.2.x
Portainer	2.1.1 or later

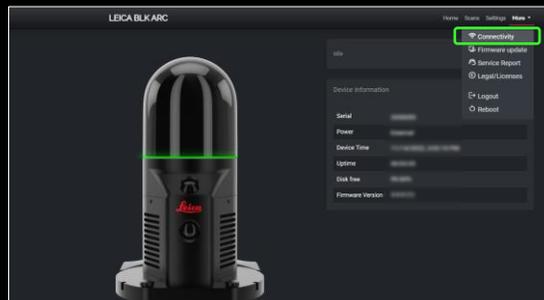
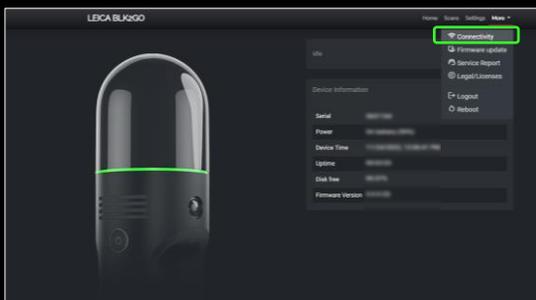
The firmware can be downloaded from myWorld @ Leica Geosystems customer portal as well as from the website <https://shop.leica-geosystems.com/blk2go-firmware>

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WHAT'S NEW

- Network connectivity. It is now possible to configure the BLK2GO and BLK ARC connectivity. This feature is available in the device webpage, under a new section called *Connectivity*.
 - The BLK2GO and BLK ARC Wi-Fi can be disabled. This option completely turns off Wi-Fi. USB cable connection is needed to turn Wi-Fi on again. Ensure that the connection via USB can get established before disabling the Wi-Fi. See the USB improvement section below for more details. By default, Wi-Fi is enabled.
 - The BLK2GO and BLK ARC Wi-Fi visibility can be hidden. When hidden, the Wi-Fi access point is enabled, but devices nearby do not see the Wi-Fi name (SSID). USB cable or Wi-Fi connection to a hidden network is needed to make the Wi-Fi name visible again. By default, Wi-Fi is visible.
 - Connectivity information is shown, including the QR code to have the BLK2GO Live app set-up for Access Point connection.



Who is this feature for? Primarily for privacy conscious users and for environments where it is required that all wireless technologies are disabled, like public safety, military, or nuclear applications.

For more details about this feature and its functionality, please check the BLK2GO BLK ARC Firmware Update & Device Webpage Guide, available on myWorld @ Leica Geosystems customer portal as well as from the website.

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- Improved USB connection. It is now more reliable to establish and keep the connection while transferring data via USB.

A new driver (NCM) is part of this firmware. To connect to the device via USB, this driver needs to be installed on Windows 10 and older operating systems. In Windows 11, Linux and MacOS this is by default installed.

For the cases where it is needed (Windows 10 and older), the driver gets automatically installed with the installation of Cyclone REGISTER 360, Cyclone REGISTER 360 BLK Edition as well as BLK Data Manager (v2022.1.1).

- From the device webpage, it is now possible to select multiple scans for download and for delete.
- New LED pattern is introduced. The LED rotates yellow while the firmware process is ongoing. For the firmware upgrade, the colour continues to be yellow (as before) while the process is ongoing. And changes to green to indicate that the process is finished.

LED also rotates yellow after a factory reset.

- For hardware compatibility reasons, firmware downgrade is from this firmware version onwards no longer possible. Installation of older firmware version is not recommended in any case.

WHAT'S NEW – BLK2GO ONLY

- SLAM Quality. The BLK2GO position represented with a circle in the BLK2GO Live app, now indicates the SLAM quality. The colour of the circle changes depending on the expected quality, following a traffic light system. The circle is green, yellow, or orange depending on the quality.

Note that this quality indication is a confidence estimate meant to give the user first quality feedback and, a warning to adjust the scanning techniques during the data capture when needed.

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For more details about this feature and its functionality, please check the BLK2GO BLK ARC SLAM Quality Guide, available on myWorld @ Leica Geosystems customer portal as well as from the website.

- From the BLK2GO Live app, detail images can be now deleted also for finished scans. A long press on the image shows the option to delete it.
- From the BLK2GO Live app in online connection, the app can now scan QR codes with longer SSID and passwords, lifting the previous restrictions.

BUG FIXES

- General system improvements.
- Fixes for minor bugs.

KNOWN ISSUES

- The preview of the detail images in the BLK2GO Live app has a slight yellow tint when images are taken in artificial light conditions. This issue only affects the preview, the images in Cyclone REGISTER 360 are not affected.
- In some rare cases, the LED might be intermittent red after booting. If this happens, turn off the device and turn it on again.
- Connection to the iPhone's Personal Hotspot does not work for iPhones running iOS 16.

For details on how to update the firmware version on the BLK2GO or BLK ARC, see the firmware guide available on myWorld @ Leica Geosystems customer portal. For additional support, please contact your local reseller for first level support.