

LEICA BLK360

IMAGING LASER SCANNER



RELEASE NOTES

Firmware version 2.0.0 – March 27th, 2025.

We are pleased to announce the release of the Leica BLK360 Firmware v2.0.0.

This version can be loaded on all BLK360 devices of the latest generation.

These release notes contain important information about the Leica BLK360 firmware v2.0.0.

With immediate effect, the new firmware can be downloaded from myWorld Customer Portal:

<https://myworld-portal.leica-geosystems.com>

and Leica BLK360 website:

<https://shop.leica-geosystems.com/leica-blk/blk360>

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WHAT'S NEW

- **Heat and Power Management**

- ECO mode was implemented to enhance the performance of the device in hot weather conditions. When activated, the ECO mode turns off the lidar immediately after each scan, helping to reduce internal heat. As a result, the scan time for each scan is extended by up to 3 seconds, which is the time needed to restart the laser.
- ECO mode ensures that more scanning can be done, and that the device is consuming less energy (battery life can be extended by up to 20%).
- Internal components will be less exposed to heat and therefore the lifetime of the device could be potentially increased.
- All warnings and errors related to temperature are indicated by a pulsating, circulating LED.

Critical temperature reached; the device needs to cool down before continue scanning. Once the LED goes to ready state (continuous green) scanning can be resumed.



Critical temperature exceeded; the device will automatically shut down. Let it cool down, before resuming scanning.



- Starting with version v2.0.0 the fan changes its speed according to the required cooling.
This reduces the battery consumption and reduces fan speed noises.
- This feature improves the battery lifetime as well when transferring data in high power mode.
Compared to version 1.6.3, high power mode can be used up to twice as long.

The ECO mode can be enabled in Leica Cyclone FIELD 360 app v6.0.0 or higher and BLK Live app v2.3.0 or higher (iOS and Android).

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- **Image Improvements**

- Low Light image mode (HDR only).
The BLK360 measures the exposure before starting the imaging and automatically defines if Low Light Image mode should be applied.
- This new image mode reduces Hot Pixels and noise in low/mixed lighting conditions.
- This image mode cannot be activated or applied manually and is only available when the BLK360 is configured for HDR imaging.

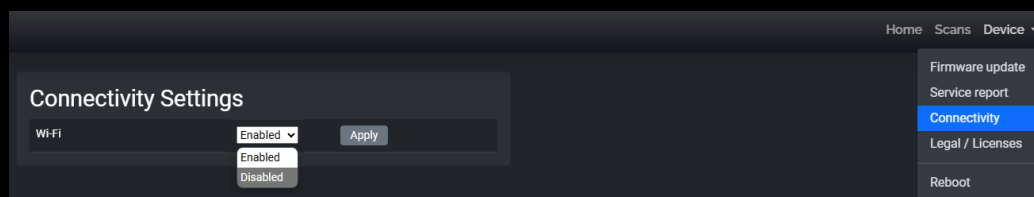
- **Option to disable Wi-Fi**

- Wi-Fi can now be disabled using the webserver when performing power button scans only (instead of using the Cyclone FIELD 360 or BLK Live app). The power button scan settings of the BLK360 can be configured with the Cyclone FIELD 360 and BLK Live apps or the BLK Data Manager.

To connect to the webserver

192.168.42.1 Cable connection

10.10.1.1 Wi-Fi connection



- To enable Wi-Fi again, the BLK360 must be connected via USB cable to the computing device.

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- Next level of integration of the BLK360 into the Leica Cyclone FIELD 360 and BLK Live app.

Cyclone FIELD 360 with version 6.0.0 or higher and BLK Live app with version 2.3.0 or higher offer new functionality for the BLK360:

- The app informs the user if a new firmware for the BLK360 is available. Customers using mobile devices with mobile data can then immediately update their BLK360 in the field to ensure latest features and fixes. For more details please refer to the Cyclone FIELD 360 version 6.0.0 release notes.
- Cyclone FIELD 360 and BLK Live apps now supports to upload BLK360 service reports directly to the Leica server.

Note

Although the service report can be uploaded easily to the Leica server it is mandatory to reach out to your local support, as they will not yet receive notifications.

- It is now possible to store the GNSS position of the mobile device to a scan. This information is added to the scan and synched back to the BLK360.
- Minor bug fixes.

It is recommended to update your Leica BLK360 to the latest firmware version (2.0.0) to benefit from these enhancements.

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FIRMWARE COMPATIBILITY

- Compatibility with mobile device apps:
 - Leica Cyclone FIELD 360 version 6.0.0 or higher is required.

Download iOS version here:

<https://apps.apple.com/us/app/leica-cyclone-FIELD-360/id1376463007>

Download android version here:

<https://play.google.com/store/apps/details?id=com.leicageosystems.cyclone.CycloneFIELD360>

This version is not yet available for Android at the time of the v2.0.0. release. It is recommended to update as soon as the new version is available.

- Leica BLK Live version 2.3.0 or higher is required.

Download iOS version here:

<https://apps.apple.com/app/blk-live/id1608854881>

Download android version here:

<https://play.google.com/store/apps/details?id=com.leicageosystems.cyclone.blknow>

This version is not yet available for both operating systems at the time of the v2.0.0. release.

It is recommended to update as soon as the new version is available.

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- Compatibility with Cyclone REGISTER 360 PLUS and Cyclone REGISTER 360 PLUS (BLK Edition):
 - v2025.0.0 or higher is recommended.
- BLK Data Manager v2025.0.0 or higher is recommended.

Both Cyclone REGISTER 360 PLUS versions as well as the BLK Data Manager are available to download at myWorld Customer Portal: <https://myworld-portal.leica-geosystems.com>.

myWorld

Please check regularly if updates of the apps are available.

For more general information on the BLK360 please refer as well to User Manual which is available on myWorld @ Leica Geosystems customer portal: <https://myworld-portal.leica-geosystems.com> and the Leica BLK360 website: <https://shop.leica-geosystems.com/leica-blk/blk360>.

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