

- when it has to be **right**

**Leica**  
Geosystems

# Leica Geosystems Release Notes

**Product**      Leica RTC360 and RTC360 LT  
**Date**          12<sup>th</sup> August 2021  
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## Leica RTC360 3D Laser Scanner - Firmware v5.0



These Release Notes contain important information about the new Leica RTC360 firmware v5.0.

The new firmware can be obtained from your local Leica Geosystems Selling Unit or can be downloaded from the myWorld @ Leica Geosystems customer portal: <https://myworld.leica-geosystems.com>



## WHAT'S NEW

### 1. Tilt improvement

The tilt accuracy has been improved to 18”.

With the new setting **High Tilt Accuracy** enabled, this tilt accuracy is achieved in a working range of  $\pm 5^\circ$  for upright and upside down orientation of the instrument (see figure 1).

For any other vertical instrument orientation or with **High Tilt Accuracy** disabled the tilt accuracy is 3’.

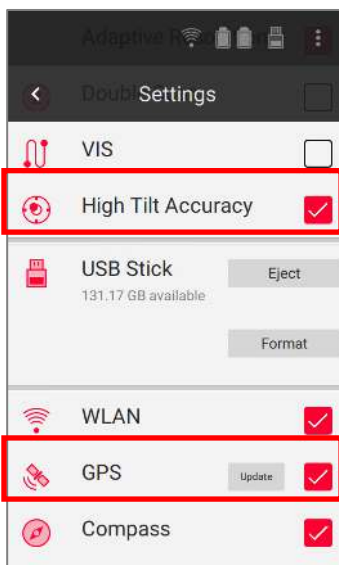


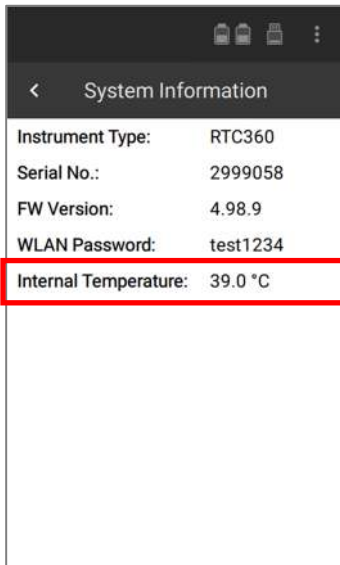
Figure 1: High Tilt Accuracy enabled

It is recommended

- to leave the **GPS** setting enabled so that the scanner position is automatically updated.
- to update the GPS position after long distance travelling (>100km) with the scanner before starting a project in a new location.

## 2. Display of internal temperature

In the **Settings** menu the **Internal Temperature** of the instrument is displayed.



## 3. Option to permanently disable WLAN

For projects in radio sensitive environments where WLAN transmission is not allowed the WLAN control in the **Settings** menu can be completely disabled by a special licence (see figure 2 and figure 3).

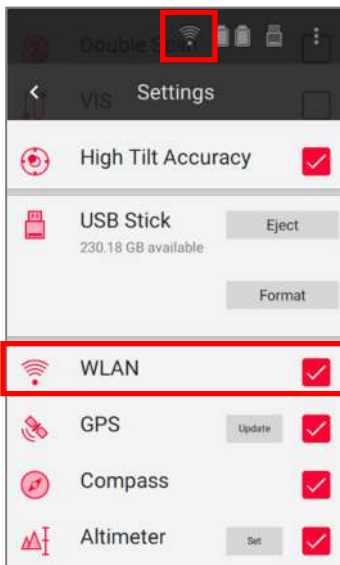


Figure 2: WLAN enabled

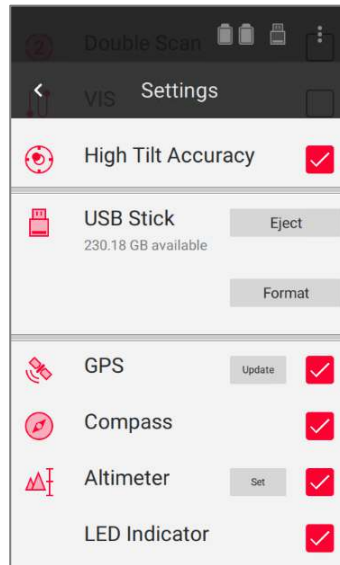


Figure 3: WLAN disabled

Licences to switch off and to recover again the WLAN functionality are serial number sensitive and can be obtained from the local Leica Geosystems representative.

## **FIXED BUGS**

Minor bugs have been fixed.

## **FIRMWARE INSTALLATION**

- The new firmware v5.0 can be installed on any Leica RTC360 or RTC360 LT laser scanner, independent of any previous firmware version.
- Compatibility with Leica Cyclone and Cyclone REGISTER 360
  - Cyclone v2021.1.0 or higher is required to import FW v5.0 data
  - Cyclone REGISTER 360 v2021.1.0 or higher is required to import FW 5.0 data