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# Leica mojoXact

## Leica mojoXact Plus

### Public Release Notes

Version 1.3.154  
English

- when it has to be **right**



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# 1 Introduction

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**General information** Leica Geosystems provides free of charge software updates for the Leica mojoXact and mojoXact Plus in order to provide customers with the best possible experience. This document describes the changes in the latest software release, how to use the new functionality and the various methods to upgrade the software.

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There are three versions of this document which are intended for different audiences:

- **Public release notes**, intended for customers and a general audience.
  - **Dealer release notes**, intended only for dealers and provides additional information regarding dealer specific processes or support.
  - **Internal release notes**, intended for Leica Geosystems employees only. This version of the release notes are company confidential and includes general information, dealer information and additional details of all changes made to the software. This document should not be distributed to non Leica personnel.
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**Current Version**

- Leica mojoXact and mojoXact Plus version **1.3.154**
- Released December 2015.

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## Compatibility



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This software is compatible with all Leica mojo3D displays.

It is recommended that if using the Leica mojo3D with a Leica mojoXact, mojoXact Plus or Leica mojoRTK console that the software on the mojo3D is also upgraded to the latest version in order to obtain the full benefits of the latest software.

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## 2 New functionality & key changes

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### Overview

- JR R series random security error resolved (1.3.154)
  - Tracked John Deere vehicle has been added to support sugarcane harvesters (1.3.154)
  - SteerDirect ES Plus Support ( v1.3.130)
  - SteerDirect ES Support (v1.3.98)
  - mojoXact Plus Support (v1.3.98)
  - Added NMEA2000 messages to the Krone Steerkit (v1.3.98)
  - Fixed issue with NMEA not working when particular rates and strings are selected (v1.3.98)
  - Added updated GPS Authcodes to GPS firmware (v1.2.106)
  - Wait for mojoXact to start before mojo3D autoconnects to Virtual Wrench (v1.2.104)
  - Upgrade Dependency to make sure both the mojo3D and mojoXact are both on compatible software versions and notify user if not (v1.2.104)
  - Integration of new GNSS receiver firmware v6.210 (v1.2.104)
  - Added John Deere R Series Steering Support (v1.2.104)
  - Steering Import Configuration through mojo3D Support(v1.2.104)
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- Added Krone Steering Support (v1.2.104)
  - Added Load Reactive Steering Support (v1.2.104)
  - Added Automatic SRK engaged calibration (v1.2.104)
  - Integration of new GNSS receiver firmware v6.200 (v1.1.74)
  - Changes to GNSS receiver functionality and stability (v1.1.74)
  - Changes to base station statistics over the network (v1.1.74)
  - Support for new Leica Steer Ready Kits (New Holland T9 and Case Steiger) (v1.1.74)
  - Additional Steer Ready Kit and SteerDirect Hydraulic settings for swapping left/right steering (v1.1.74)
  - Support for GeoAce proprietary reference packets, serial number, battery status, etc. (v1.1.74)
  - Support for installation of GNSS receiver firmware via the mojo3D user interface (upgrade function can install integrated version of software or a new version on a USB stick inserted into the mojo3D) (v1.1.74)
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## 2.1 JD R series: Security Dropouts

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### Overview

This was a known issue with the mojoXact Plus running UT software. Periodically CAN messages are lost. The issue is fixed with the new version.

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## 2.2 JD Sugarcane Harvester Support

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### Overview

Tracked John Deere vehicle has been added to support sugarcane harvester. JD Harvester Support with RTK solution (Specifically mojo3D in combination with mojoXact/mojoXact +).

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## 2.3 SteerDirect ES Plus Support

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### Overview

The mojoXact and mojoXact Plus now support the new version of the SteerDirect ES electric steering system called the Leica SteerDirect ES Plus.



The updated hardware includes a faster and more powerful motor as well as other improvements. It also includes an extensive list of supported vehicles.



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**NOTE:** The SteerDirect ES Plus no longer requires an external controller. This provides an easier installation.



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Contact your dealer for more information on the Leica SteerDirect ES Plus and the specific vehicles supported.

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## 3 mojoXact Plus Support

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### Overview

This version of software now supports the new mojoXact Plus.

The mojoXact Plus is the replacement product for the mojoXact. The major difference is that the mojoXact Plus uses a single Dual Band GPS antenna solution.

The mojoXact Plus also includes a Cell Modem, which currently is not used. This has been implemented to allow future compatibility with UT support.

Refer to the mojo3D Release Notes, mojo3D User Manual and the 807352 – Leica mojoXact Plus – Installation Manual for further information on the mojoXact Plus.

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## 3.1 Upgrading the Leica mojoXact software

### 3.2 Upgrading Software from Virtual Wrench™

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#### General information

A new version of software, if available, may be obtained by downloading from Virtual Wrench™

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#### Caution

Do not turn off the Leica mojo3D while performing the software upgrade.

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#### Downloading software, step-by-step


To download a new version of software from Virtual Wrench™, carry out the following steps:

1. On the main navigation screen, tap the **service** button.



2. On the flyout menu, tap the **download software** button.



3. You may see a message stating that software updates are available and asking if you wish to continue. Tap  to continue


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4. If you are not already connected to Virtual Wrench a dialog confirming connection will be displayed:

- Tap  to proceed.

OR

- Tap  to abandon the request

5. Once connected a dialog will be displayed showing the current version and the version available for download for both the mojo3D and the mojoXact. Select the upgrade for

the mojoXact by tapping the  button and then tap  to start the install.

The Leica mojoXact will automatically restart when the installation is complete.

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### 3.3 Upgrading Software via USB Flash Drive

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**General information** A new version of software may be installed from a USB Flash Drive.

Visit [www.VirtualWrench.com](http://www.VirtualWrench.com) to obtain the latest software download and copy to a USB Flash Drive.

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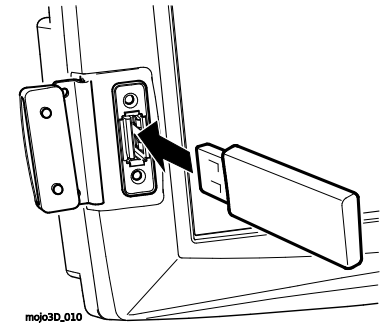
Do not turn off the Leica mojo3D, or remove the USB Flash Drive, while performing the software upgrade.

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**Upgrading software with a USB Flash Drive, step-by-step**

To upgrade the Leica mojoXact software via USB Flash Drive, carry out the following steps:

1. Make sure the mojoXact is properly connected to the mojo3D (refer to the mojo3D user manual).
2. The USB interface is on the lower left front of the Leica mojo3D display. Lift the rubber cover and insert a compatible USB Flash Drive into the USB slot.




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3. On the main navigation screen, tap the **service** button.



4. On the flyout menu, tap the **upgrade from USB** button.



5. Select the mojoXact by tapping the mojoXact button and then tap  to continue to the confirmation page.



6. Tap on the **software version** in the list to select it. Tap  to start the install.

7. Both progress bars (Current Stage and Overall Progress) will be completely full when the installation is complete.



The Leica mojoXact will automatically restart when the installation is complete.

Remove the USB Flash Drive only when the unit is powered down.

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**Leica Geosystems AG**  
Heinrich-Wild-Strasse  
CH-9435 Heerbrugg  
Switzerland  
Phone: +41 71 727 31 31  
[www.leica-geosystems.com](http://www.leica-geosystems.com)

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