



Leica 3D Disto Software Release Notes

Release Details:

Version 1.3

Release date January 2012

Available for:

Products **Leica 3D Disto Package (pn 784'357)**
Leica 3D Disto Control Unit in carton box (pn 785'079, spare part)
Leica 3D Disto in shipping container (pn 770'665, spare part)

Available via:

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

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3DDISTO SOFTWARE V 1.3 RELEASE NOTES - INTRODUCTION

These Release Notes contain important information about the software for the following products:

- Leica 3D Disto Package (article 784'357)
- Leica 3D Disto control unit in carton box (article 785'079, spare part)
- Leica 3D Disto in shipping container (pn 770'665, spare part)

Please take your time to read these Release Notes. They contain a summary of what is new within the software and information on how to obtain and load the software.

It is recommended you use the Leica myWorld portal to upgrade your Leica 3D Disto with the new software. Click <https://myworld.leica-geosystems.com> to access the portal.

The Leica 3D Disto features 3 different types of Software:

- Software for the 3D Disto Control Unit
- Software for the 3D Disto Sensor (=Measurement Device)
- Leica 3D Disto Software for Microsoft Windows operation system

The following chapters outline the details with focus on the Control Unit software. Details for the other software types is provided in the read-me files as part of the installation process.



3DDISTO CONTROL UNIT SOFTWARE V 1.3 IMPROVEMENTS

New: CSV import in file manager for 'Projector' application



CSV import added.

The import now shows files with extension DXF or CSV. CSV files can be created e.g. in Microsoft Excel or with a text editor. The structure of the CSV files has to be a simple list of X,Y pairs, such as e.g.
100.123 ; 201.987
110.357 ; 202.531
a.s.o. No header rows, no leading columns are allowed, no comments between the lines.

On the control unit, before opening the file in 'Projector', the settings have to match the CSV format:

Distance unit settings applies for the values. The decimal separator (dot or comma) and the list separator (comma or semicolon) settings apply for the format. Also the Import/Export Format setting East/North versus North/East applies for the order.

Feature available with version 1.2.0.4

Improved DXF import in 'Projector' application



DXF import was improved.

Imported are:

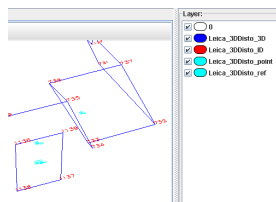
- Start- and Endpoints of lines.
- Vertices of 2D Polylines and 3D Polylines
- Center of circles
- Insertion points of blocks

Note: Blocks itself are not exploded.

Maximum DXF file size is limited to 2MB.

Feature available with version 1.1.0.6

DXF export



Point number layer now added in all exported dxf files.

Additional _2D.dxf exported. It is the same as _3D.dxf without Z component.

Small adjustments in layer naming done.

Out-of-boundary secure points are now exported, export speed optimized.

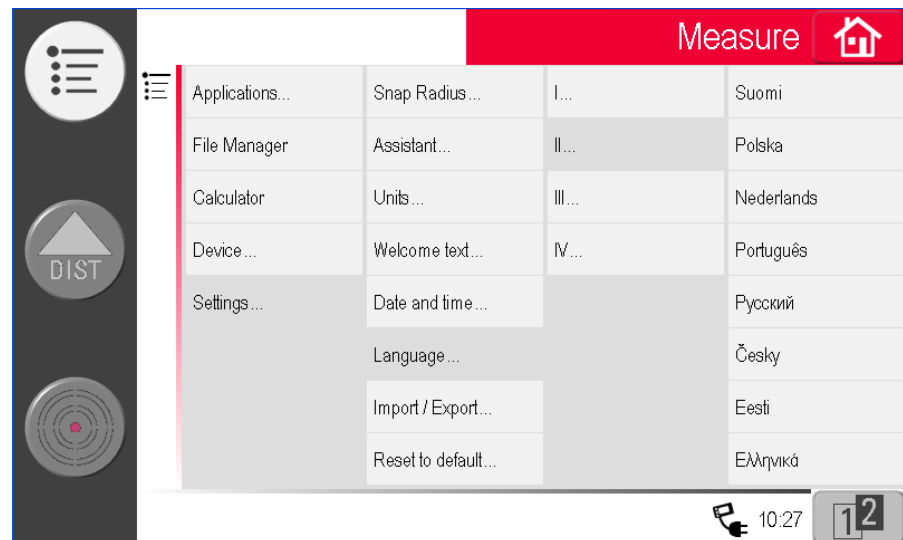
Feature available with version 1.2.0.4



Multi – Language support

27 languages are now selectable in the Settings – language menu. Language Section is split in 4 groups.

Feature available with version 1.2.0.4



Termination of long actions

Most actions that require the sand-clock icon to appear are now featuring a 'Cancel' function as well.



Feature available with version 1.2.0.4

Shut-down control

Users are advised to use the menu to turn off the control unit. It is possible to use the red button on the hardware, too, for emergency shutdown. This button should only be used in real emergencies, e.g. if a regular shut-down is not possible.

In the new software version, a warning pop-up appears after re-boot if the user did not use the menu to turn off the control unit before.

Feature available with version 1.1.0.6.

Features introduced with version 1.1.0.6 are available since July 2011 already, version 1.204 features since early December 2011.

Of course they are still valid for version 1.3.0.0.

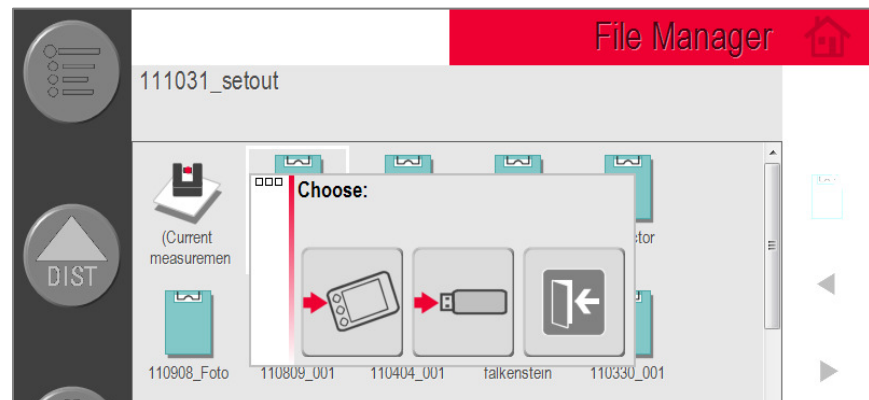


KNOWN ISSUES RESOLVED WITHIN 3DDISTO CONTROL UNIT SOFTWARE V 1.3

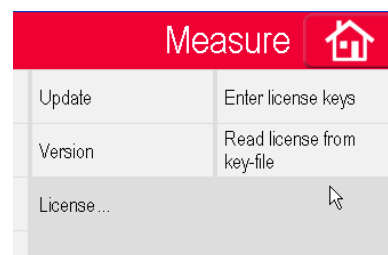
The following issues which were present in 3D Disto Software version have been resolved within Leica 3DDisto Software version 1.3.0.0.

USB Stick not found

In some occasions, the USB stick was not found after the first search. Now the search has been improved. Therefore the export in the file manager asks now for the medium first: internal or USB stick.



For the same reason, the menu to apply license keys was added the question to enter them manually or to read them from the key file:



Fix available with version 1.3.0.0

Control Unit blocked

In rare occasions, it was possible that the control unit resisted to operate properly, continuing to display endless error message loops or not booting at all.

Rebooting did not cure the problem. In the worst case, the hardware must be send back to the factory.

We have now found countermeasures for these errors and thus it should no longer happen again.

Fix available with version 1.2.0.4



**GSI interface,
station and orientation**

Note: GSI interface is only accessible using the Windows version software.

The station of the measurement file could differ from the station used to export coordinates via GSI. Relocation did not work properly.

Fix available with version 1.2.0.4

**GSI interface,
connection**

Note: GSI interface is only accessible using the Windows version software.

Under some rare circumstances, the connection between interface and 3D Disto was suddenly lost, regardless if cable or WLAN was used.

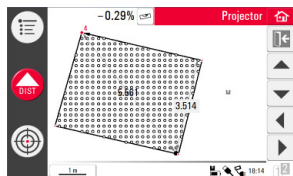
Fix available with version 1.2.0.4

**‘Projector’ applica-
tion: DXF import**

Some DXF contents were blocking the import, e.g. a THUMBNAILIMAGE within the DXF. This has caused some DXF files for being not imported at all.

Fix available with version 1.1.0.6

**‘Projector’ applica-
tion: align grid or DXF
file**



It could happen that the alignment failed and that it was not possible to turn a grid parallel to a boundary line. Also, the function of the water-level button to reset the grid back to horizontal was not always following the intention of the user.

Fix available with version 1.1.0.6



OBTAINING AND LOADING THE NEW SOFTWARES USING MYWORLD

It is strongly recommended to use Leica myWorld portal to load the new software to the Leica 3D Disto.




Open the 'Software' tab within the 'myProducts' section.

Overview
Software
Manuals

Back
Help


General



Product: Leica 3D Disto Package
My Reference:
Serial No.: 1750021
Version: 1.1

Article No.: 784357
Equipment No.: 4272628


Automatic Online Software Update




Press Start Update to start the automatic online software update that automatically updates the software on the connected instrument.

Please make sure that the battery of your instrument is loaded more than 50% and that the connection is not interrupted before the software update is completed.

Offline Software Update



Leica 3D Disto software for Windows V1.3
This software can be installed on personal computer according to the ReadMe files included. The software is protected by a license code. To obtain the license, article number 784'472 must be ordered with each individual Leica 3D Disto for full scope of functions.



Leica 3D Disto sensor update software V1.3
Leica 3D Disto sensor software was updated in January 2012 to version 1.300. If your Leica 3D Disto was still shipped in 2011, please download the file and study the ReadMe files included.

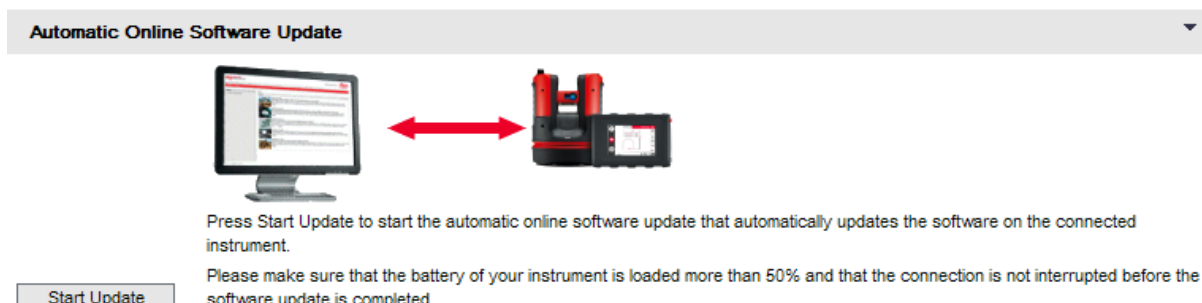
Sort by
Defined Order

12.01.2012	80.05 MB	ZIP	<input type="button" value="Download"/>
05.01.2012	16.36 MB	ZIP	<input type="button" value="Download"/>



UPDATE FOR LEICA 3D DISTO CONTROL UNIT SOFTWARE

Click on the 'Start Update' procedure.



Note:

On the target computer, the Microsoft .NET 4 framework must be installed to run the online update. This is already installed on most new computer systems, in case not, it can be loaded directly from Microsoft:

<http://www.microsoft.com/download/en/details.aspx?id=17851>

Update time to version 1.3:

**From version 1.2.0.4
or earlier**

Download size from Internet: approximately 134MB. After download:
Update time on control unit: roughly 5 plus 20 minutes
(one confirmation required after 5 minutes)

Please note:

Before updating, check the version on the control unit using the menu button, follow Device – Software – Version. Only these are officially released software versions for the control unit software:

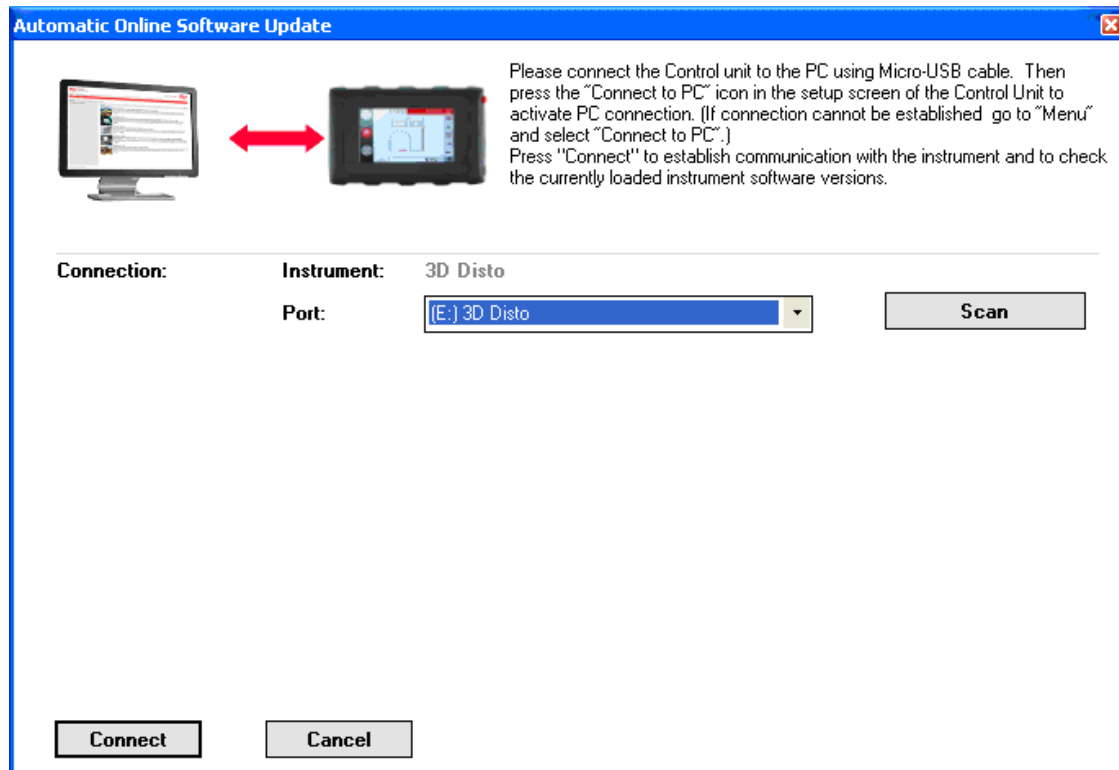
CU: 1.2.0.4 [2011-08-31-1711]
CU: 1.1.0.8 [2011-08-31T17:11:03]
CU: 1.1.0.6 [2011-03-22T17:17:14]
CU: 1.1.0.2 [2011-03-22T17:17:14]

In case the version displayed differs from one of the above options, please contact your local Leica representative for advice.

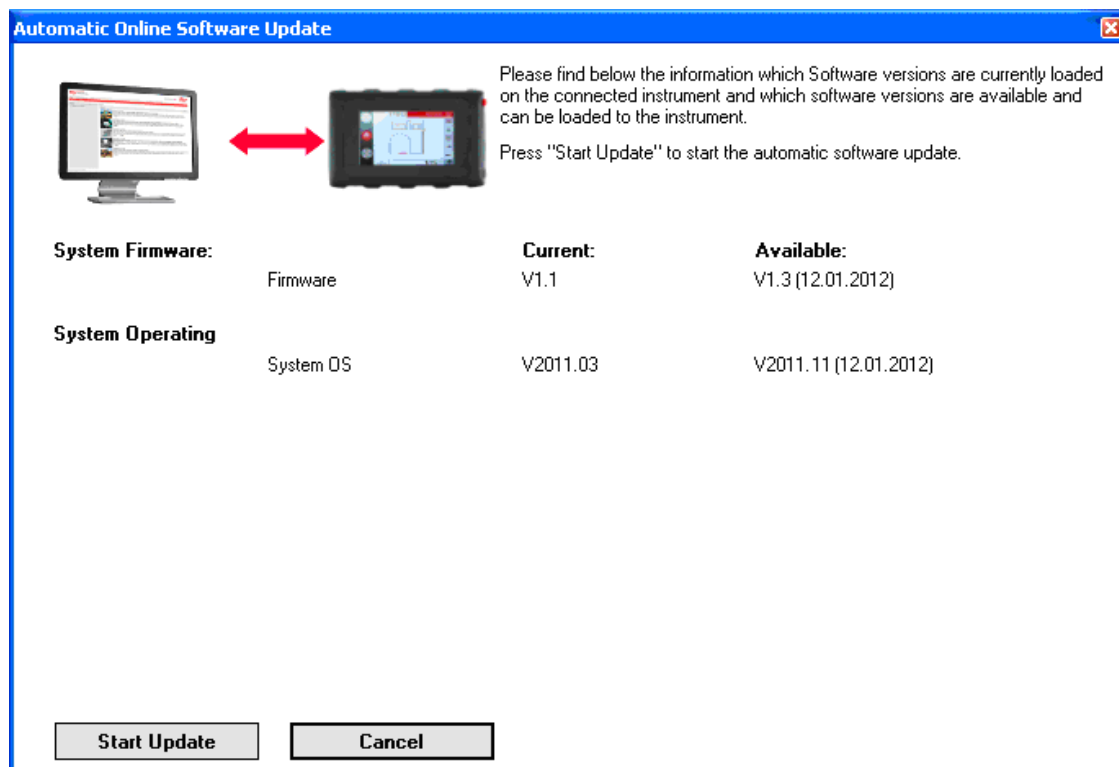
After successful update, the new version info should say:
CU: 1.3.0.0 [2011-11-23-1531]



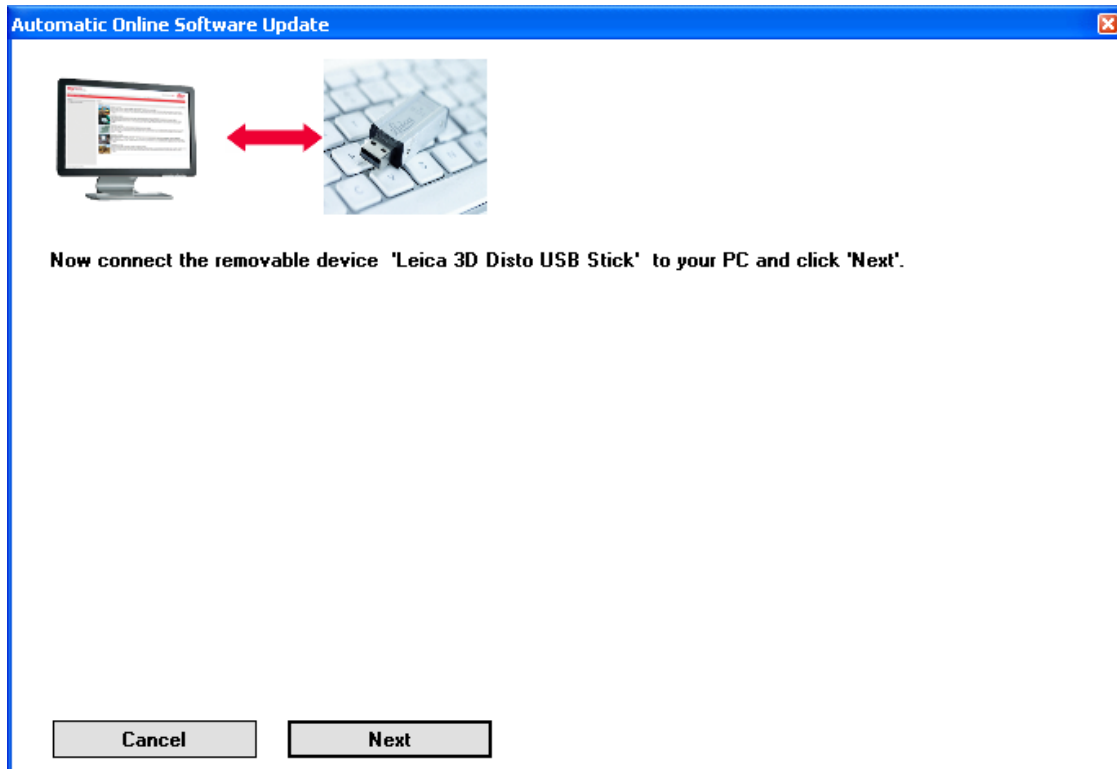
Example update procedure using myWorld online update:



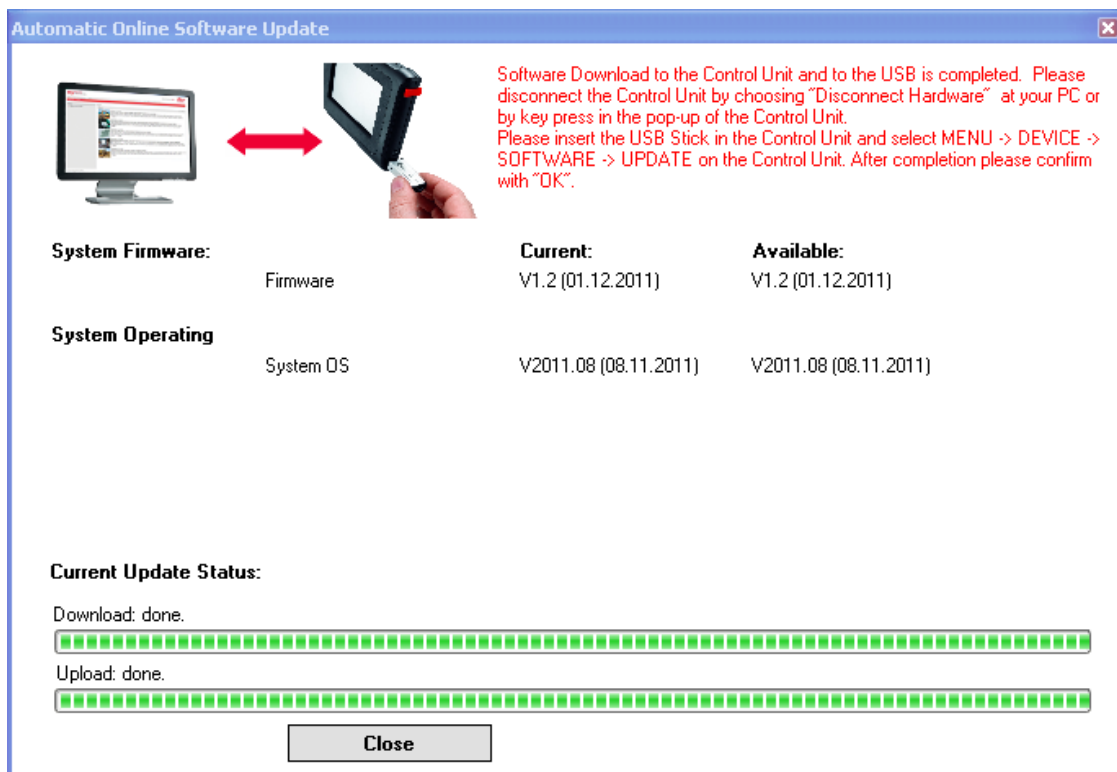
Version check happens automatically:



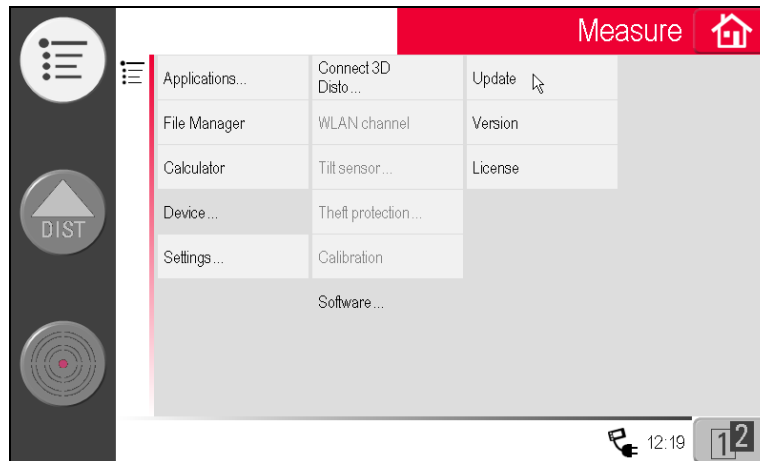
The system might ask now to insert the USB stick.



Click 'Next', wait until upload has finished.



If you were asked to insert the USB stick in the computer, remove it now and insert it in the control unit. After disconnecting the control unit from the computer, the update should start automatically. If not, run the menu: Device → Software → Update



A pop-up appears asking:

Ensure that batteries are full. Software update from [old version number] to [new version number] can take some minutes. Start update?

Confirm the popup. Update of application takes about 5 minutes, then system re-boots first time.

Please ensure the USB stick is still in the USB slot, the system might inform about operation system update.



Afterwards, the system starts updating the operation system. This will take about 15-20 minutes. Several messages might appear on the screen between 2 re-booting processes. Do not touch the control unit, do not pull the power!



- when it has to be **right**

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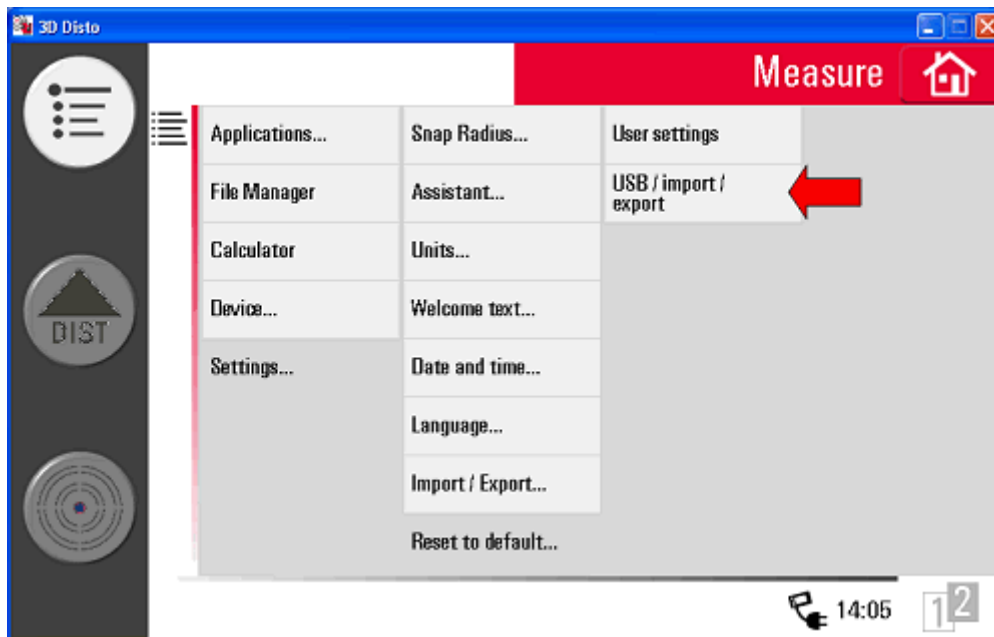
Wait until process has finished. If the setup screen re-appears, the upload is ready, continue as usual:



Troubleshooting help:

The process using 'myWorld' online update fails if the memory of the control unit and/or the USB stick are not formatted. If Windows does not detect the devices as removable memory, the formatting is likely not correct.

To ensure the memory of the control unit is formatted, run the menu
Settings → Reset to default → Import/Export



This command does NOT erase the projects in the memory; it only erases the exported files or those that have been loaded to import into 'Projector' application.

Formatting the USB stick, follow the format command in the Windows Explorer (right-mouse-click). Please ensure using the FAT32 file system setting:




UPDATE FOR LEICA 3D DISTO SOFTWARE FOR MICROSOFT WINDOWS

Obtain the file by clicking on the 'Download' button:

Offline Software Update

Sort by **Defined Order**

	Leica 3D Disto software for Windows V1.3	12.01.2012	Download
	This software can be installed on personal computer according to the ReadMe files included. The software is protected by a license code. To obtain the license, article number 784'472 must be ordered with each individual Leica 3D Disto for full scope of functions.	80.06 MB ZIP	

Save to your computer hard disk, unzip it and follow the installation routine described in the attached Read-Me files.

The Windows version automatically overwrites any existing installation. Please note that the Windows version is an optional addendum to the Leica 3D Disto. If it was not installed before, there is no need to upgrade it now.



UPDATE FOR LEICA 3D DISTO SENSOR SOFTWARE

Sensor Update is not required, unless the sensor version is still denoted 1.000.
If you have a sensor that still says version 1.000, please contact your Leica Dealer.

