



3D Disto Software
for Windows®

Leica 3D Disto

Tutorial

First Steps



- when it has to be **right**

Leica
Geosystems

Leica 3D Disto

First Steps

This tutorial contains Leica 3D Disto's basic information and standard workflows:

- Setup
- Connection
- License
- Measuring
- Pointfinder
- Save & Export
- CAD users
- WLAN
- Registration



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First Steps

Quick Start

For the first setup it is recommended to follow the Quick Start guide.

This will...

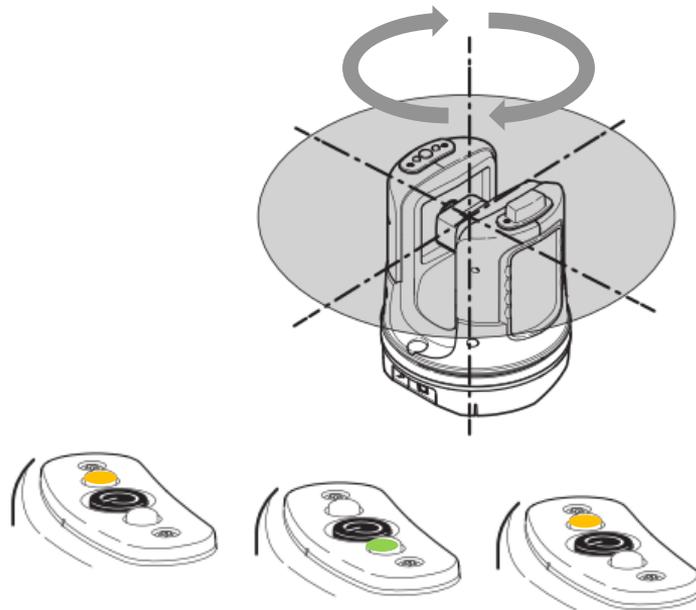
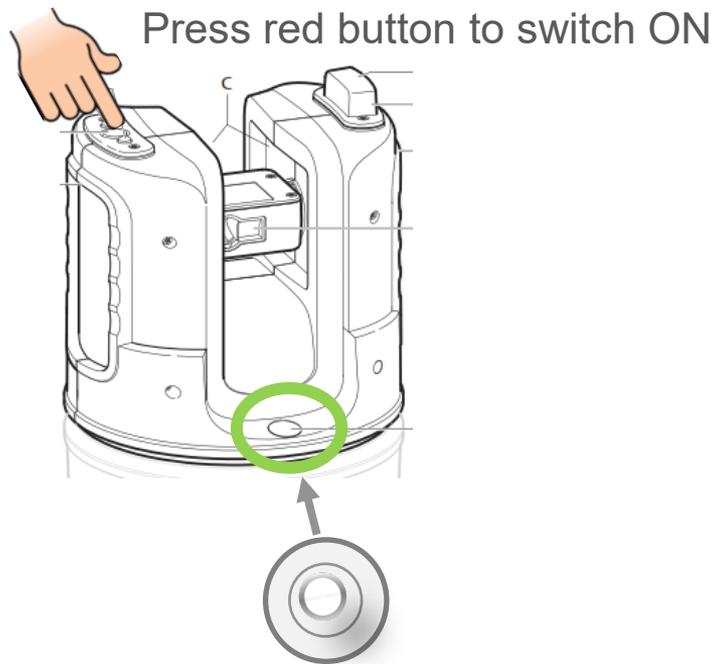
- install the software on your tablet/PC
- set your preferred units
- install license keys
- start a wireless connection



→ Skip to chapter «Measuring» (page 11) if you executed the Quick Start successfully!

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Setup



3D Disto starts leveling

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Setup



If a USB WLAN dongle is required, plug it in and start the 3D Disto software for Windows.

Who needs a USB WLAN dongle?



Don't use a USB hub.

3D Disto serial number	USB-WLAN-dongle?
175xxxx	yes
176xxxx	no
177xxxx	yes

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Connection

Select a 3D Disto for WLAN connection.



If your device needs a USB WLAN dongle, select it in the dropdown menu.

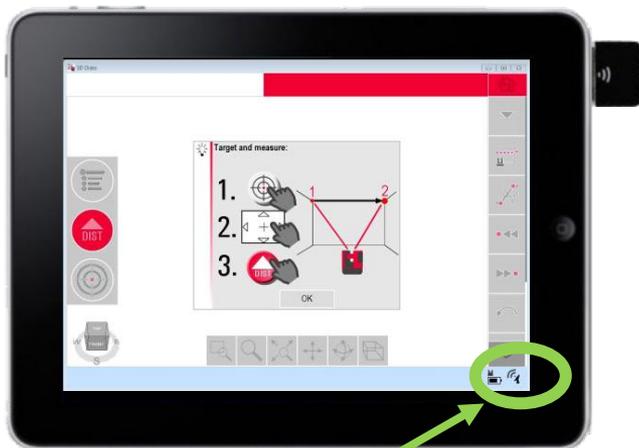
Click here to work with USB cable.

Continue without connection here.

WLAN connection not successful? Try again. Find help in the last chapter.

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Connection



Icons for successful connections:

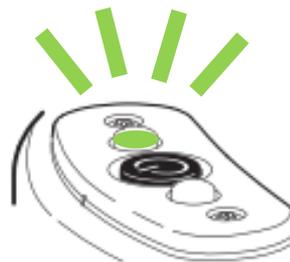
WLAN:



USB cable:



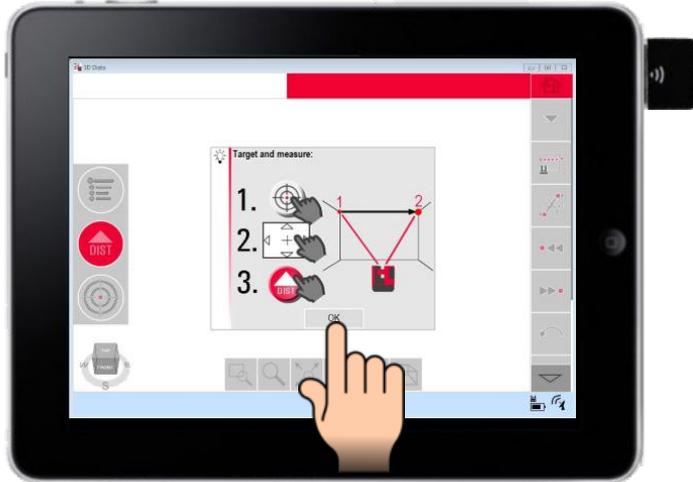
green LED flashing



Ready to measure

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Connection

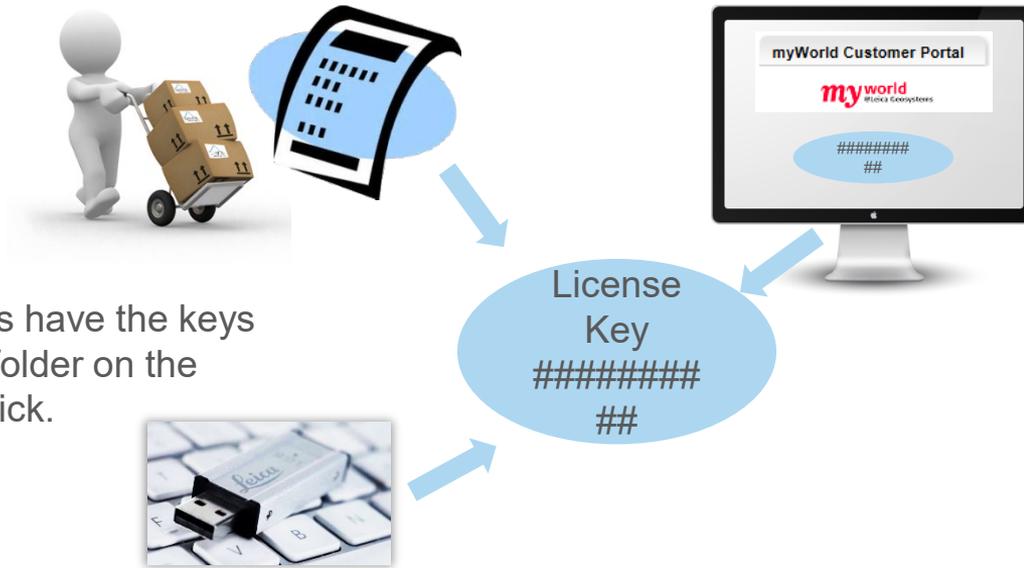


A popup assistant explains how to measure.
Press OK to continue.

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License Key

The 3D Disto software needs a license key. You find it on the delivery papers and on your myWorld account after registration of the 3D Disto.



Some 3D Disto's have the keys in the "license" folder on the USB memory stick.

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License Key

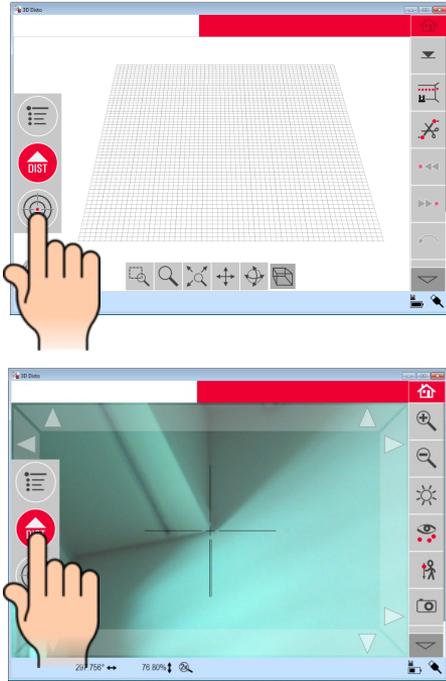
Open the Menu to enter the license key:

The screenshot shows the Leica 3D Disto software interface. A hand icon points to the 'Device...' menu item. Other menu items include 'Settings...', 'Software...', 'License...', 'Enter license keys', and 'Read license from key-file'. A callout box on the right shows a numeric keypad with a hand pointing to the '0' key.

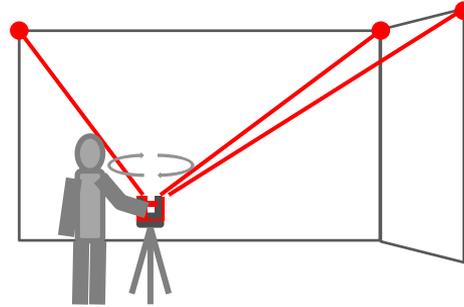
Option to read a key file from the “3D Disto Data/license” folder on the desktop.

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Measuring



Press the “Pointfinder” key. Camera and laser switch on.

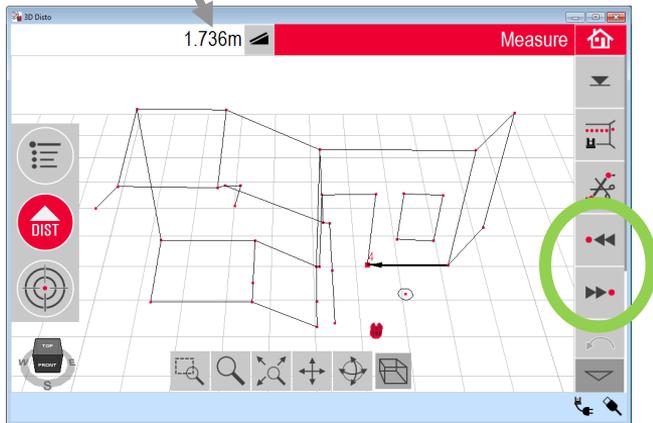


Turn the laser spot to the positions you want to measure and press DIST.

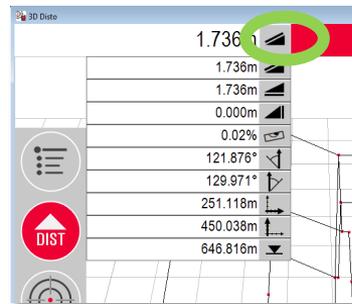
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Measuring

Result



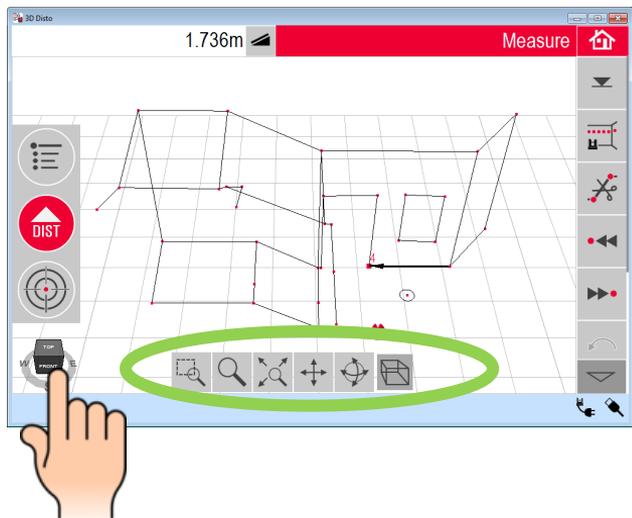
Press the result key to see more results: angles, tilt, height difference etc.



Measured points are connected with a line by default.
Use scroll keys or tip on the sketch to select one.

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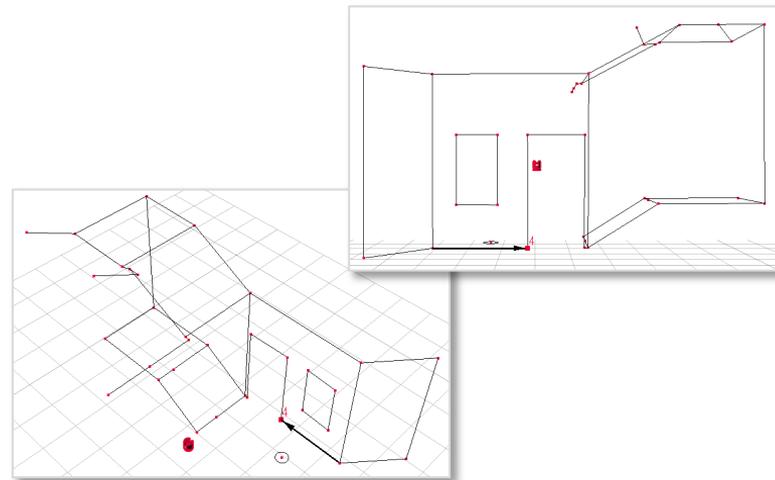
Measuring



Click on the 3D cube for quick rotations.

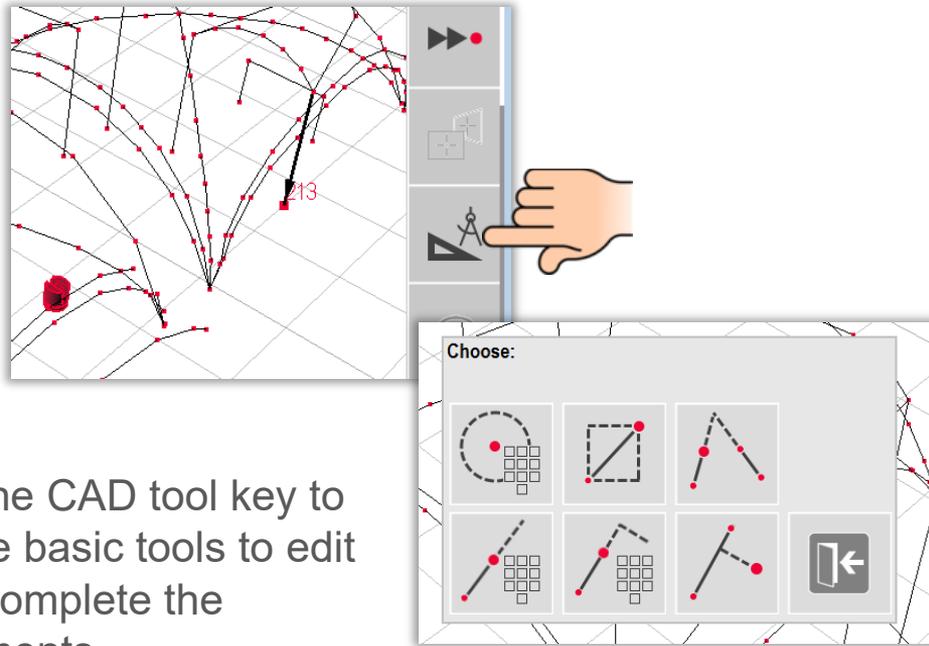
Use the navigation tools to zoom, rotate and pan with 1 finger.

Some 2-finger-gestures are possible, too. Find out!



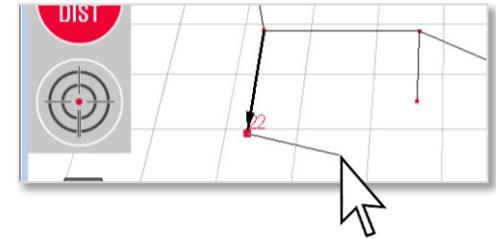
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Measuring



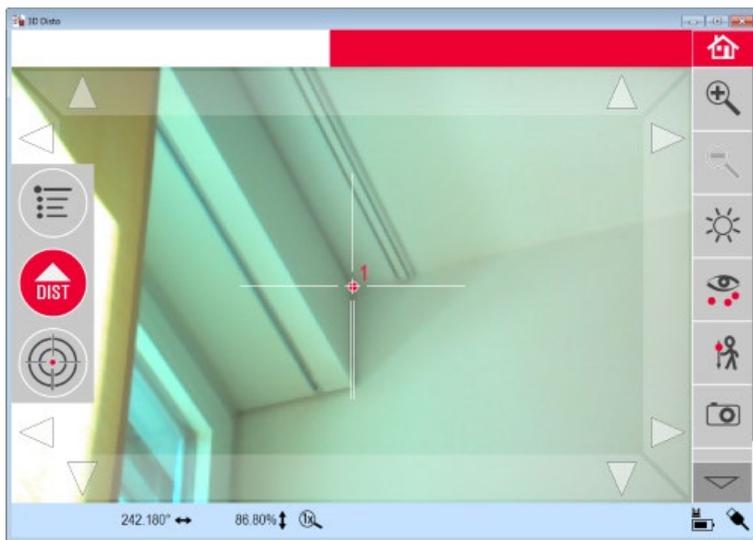
Click on the CAD tool key to start some basic tools to edit and complete the measurements.

Use mouse or finger to draw lines from point to point



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The Pointfinder

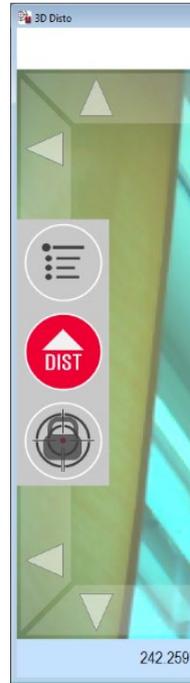


The Pointfinder supports precise targeting and makes photos.

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The Pointfinder

Measure
Press again to lock
the Pointfinder



Zoom

Brightness

Display all points

Measure hidden points

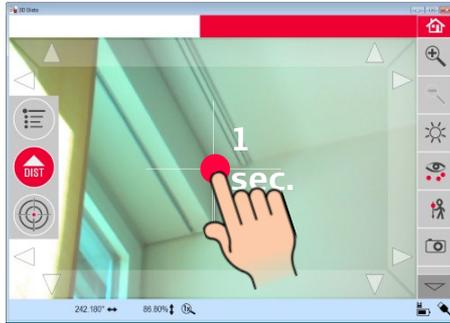
Make a photo

Edge Filter

Rotation commands

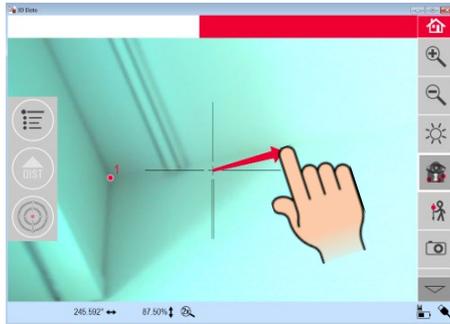
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The Pointfinder



Targeting:

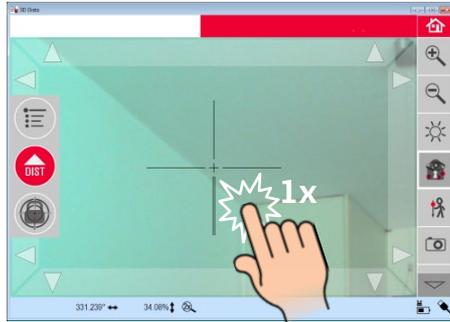
Press on the cross hair's center.
A red dot appears.



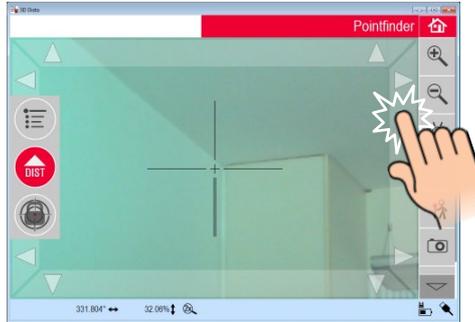
Slide to any direction.
The laser follows until you
release the screen.

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The Pointfinder



Tip on any position in the image. The laser will go there.



Use the arrow keys for small steps. Zoom in to make steps smaller.

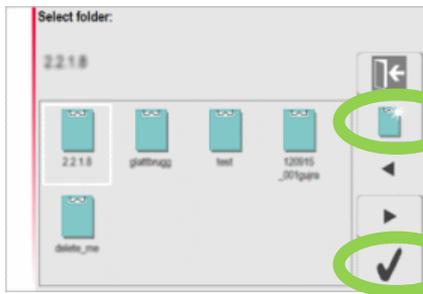
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Save & Export



Press the HOME key at any time to quit the application.

Press “save as...”



Create a new folder

Accept the selected folder

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Save & Export



Start the file manager.

Select a file or a folder and press EXPORT key.

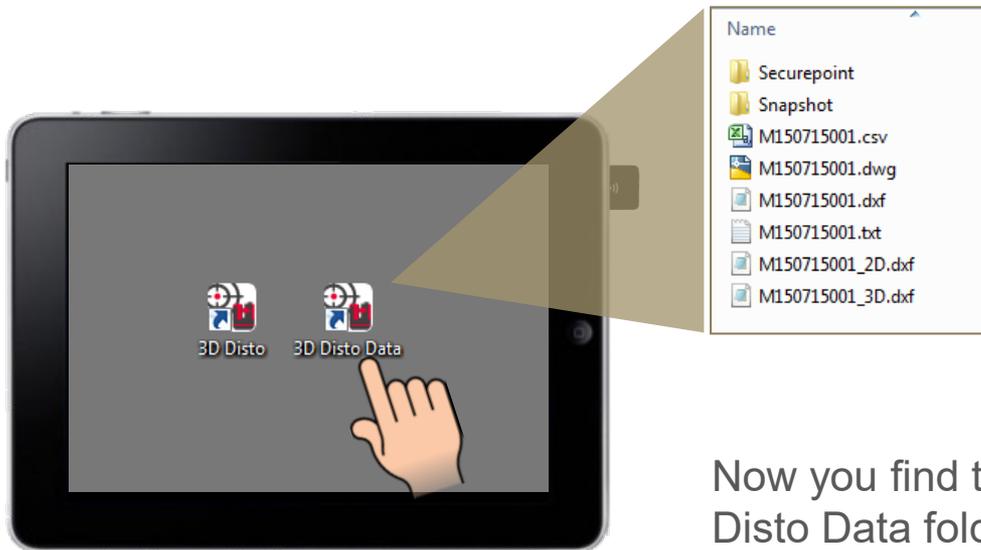


- when it has to be **right**

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Save & Export



Now you find the export data in the 3D Disto Data folder on your desktop.

Export formats are DXF, DWG, CSV, TXT and JPG.

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CAD Users

The 3D Disto cooperates with CAD systems. See this example:
<http://www.plugndraw.com/>



Please contact your local dealer
for information about interfaces.

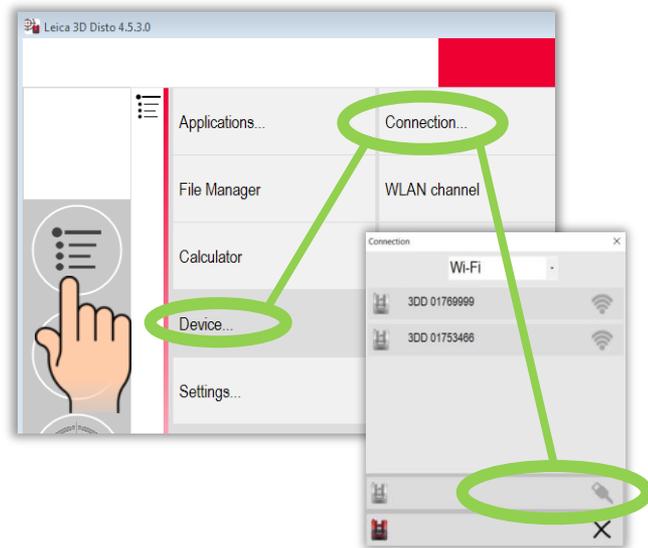
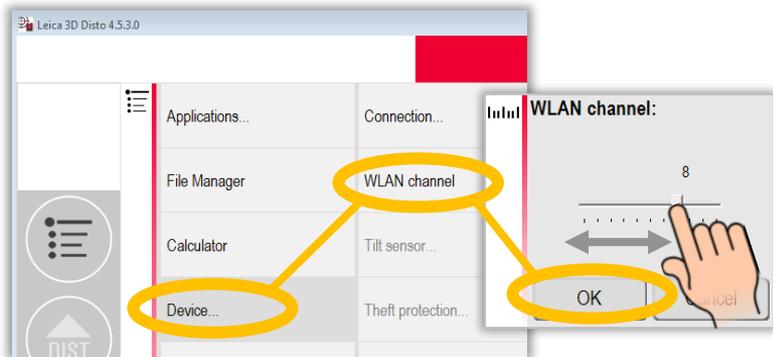
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WLAN Connection (1)

Change the WLAN channel if the wireless connection is instable.

Connect 3D Disto and computer via USB cable and select USB connection in the menu.

Then use the slider to change the channel:

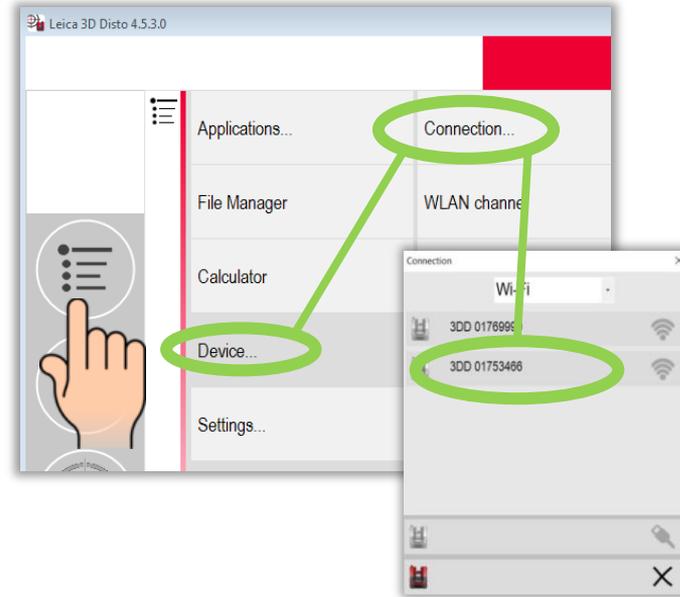


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WLAN Connection (2)

Then start WLAN again.

→ It can be necessary to try several channels!



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Registration at myWorld

Register your 3D Disto on myWorld for:

- warranty extension
- license keys
- more tutorials
- free software updates
- support
- manuals

www.myworld.leica-geosystems.com

