Leica DISTO™ with Bluetooth Smart usage on iOS

V 1.1 April 2014

- when it has to be right
Content

- Leica DISTO™ devices
- Bluetooth compatibility
- Leica DISTO™ Bluetooth Smart
- Leica DISTO™ sketch for iOS
- Keyboard Mode iOS
The Leica DISTO™ devices with Bluetooth®

- Leica DISTO™ D110 Bluetooth® Smart
  - Requires Bluetooth® 4.0

- Leica DISTO™ D3a BT (D330i) Bluetooth® 2.1
  - Requires SPP support

- Leica DISTO™ D8 Bluetooth® 2.1
  - Requires SPP support

- Leica DISTO™ D510 Bluetooth® Smart
  - Requires Bluetooth® 4.0

- Leica DISTO™ D810 touch Bluetooth® Smart
  - Requires Bluetooth® 4.0

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## Overview DISTO™ compatibility

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<tr>
<th>Model</th>
<th>Windows 7</th>
<th>Windows 8.1</th>
<th>Windows Mobile 6.5</th>
<th>Android 2.3.3</th>
<th>Android 4.3</th>
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<td>Bluetooth® 4.0</td>
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<td><a href="http://www.disto.com">www.disto.com</a></td>
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<td>Leica DISTO™ D3a BT</td>
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</table>

*) DISTO™ connects as a keyboard and sends data right to cursor position in any application or software.
This presentation should provide further advice on how to use the Leica DISTO™ with Bluetooth® Smart. Also the corresponding Apps for iOS are described in this document.

Bluetooth® Smart is supported by computer, smartphones and tablets with integrated Bluetooth® 4.0. For iOS devices this is the case for:

- iPhone 4S, 5, 5S, 5C
- iPod touch with 4” Retina display
- iPad mini
- iPad from Gen. 3 (Retina display)
- iPad Air
Leica DISTO™ Bluetooth Smart

Getting started

- when it has to be right
General
Bluetooth® Smart

- Bluetooth® Smart is compatible with Bluetooth® 4.0 or Bluetooth® Smart Ready devices
- Bluetooth® Smart has very low power consumption why it is by default switched on
Leica DISTO™ D110 Bluetooth® Smart

- The Bluetooth® can be switched off and on at the Leica DISTO™ D110
- The Leica DISTO™ D110 only supports the connection to iOS or Android 4.3 Apps
Leica DISTO™ D510 Bluetooth® Smart

- The Bluetooth® can be switched off in the Settings of the Leica DISTO™ D510
- The Leica DISTO™ D510 only supports the connection to iOS or Android 4.3 Apps
Leica DISTO™ D810 touch
Bluetooth® Smart

- The Bluetooth® can be switched off in the Settings of the Leica DISTO™ D810 touch
The Leica DISTO™ D810 touch provides 3 different modes for use with Bluetooth®:

- **Keyboard** Mode
  - E.g. 7.123 → decimal numbers
  - E.g. 7.123m 22°13/32

- **Spreadsheet** Mode
  - E.g. 7.123 → decimal numbers

- **App** Mode
  - TAB: sends a Tabulator after each value
  - Enter: sends a Enter after each value
  - none: only value will be sent
  - 0.0: decimal separator is a dot (default)
  - 0,0: decimal separator is a comma

Encrypted: required for Windows and iOS (default)
Unencrypted: required for Android
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Leica DISTO™ sketch

iOS

Getting started

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Leica DISTO™ sketch for iOS
Start App

- When using with Leica DISTO™ D810 touch we are recommending to use the App mode for Bluetooth®
Leica DISTO™ sketch for iOS
Start App – Connect Bluetooth®

Message only appears for Leica DISTO™ D810 touch
Leica DISTO™ sketch for iOS
Sketch layout Overview

Back to Overview of sketches

Click for change name of sketch

3D preview or list of measurements

Options

Add single like

Add freehand sketch

Add Textfield or Sub-sketch

Value from DISTO™

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Leica DISTO™ sketch for iOS
Options Overview

- Establish Bluetooth® connection
- Send pdf file with drawing or photo and csv file with list of measurements via email
- Save drawing or photo and file with list of measurements in photo library
- Scales drawing according to measurements
- Set type of endings for dimension lines in photos
- Enable coloring of closed areas
- Start Tutorial
- Start Tutorial
- See Video on YouTube
- Visit Leica DISTO™ webpage
- Go to DISTO™ registration for 3rd year warranty
- Software version of App
- Version 2.0

- when it has to be right

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Leica DISTO™ sketch for iOS
Create new sketch

*) Auto-scale only works on rectangular sketches and it will not change any room angle on the sketch from 90°
Leica DISTO™ sketch for iOS
Create new sketch with photo
Leica DISTO™ sketch for iOS
Download and use of pdf-documents

Send Email with pdf document and open it on iPhone or iPad
Leica DISTO™ sketch for iOS
Adding Sub-sketches and Text to sketches

From 2D Floorplan
- Click on pen to enter Text
- Choose picture, grid or library
- Click and hold for moving icon

From 3D Preview
- Wipe for rotating
- Choose picture, grid or library
- Red wall indicates sub-sketch

To edit a Text field or sub-sketch in 2D Floorplan click on the icon or text and then click on the pen symbol
Leica DISTO™ sketch for iOS

**Good to know**

- If you want to unpair device to prevent automatic detection either switch off Bluetooth® at DISTO™ or press „Forget device“ in the settings of the iOS device.

![Bluetooth Settings](image1)

When a Leica DISTO™ D810 touch is already paired with one iOS device it cannot be paired with a second device at the same time, it needs to be unpaired first!
Leica DISTO™ sketch for iOS

Good to know

- Auto-scale only works on rectangular sketches and it will not change any room angle on the sketch from being 90°

- The Leica DISTO™ device only sends the currently measured value. To send a result from the main line of the DISTO™ press the „=„ key on the D810 touch or D510. For the D110 press the Bluetooth® key to send a result from the main line.

- You can also send any measurement value to the Text input field
Leica DISTO™ sketch for iOS

Good to know

- If you like to transfer distance measurement values including the inclination you need to switch on the Level option in the Setting of your Leica DISTO™ device.

- You can also transfer an area, volume or a slope by sending the „=„ key of your Leica DISTO™ device.
Keyboard Mode

iOS

Getting started

- when it has to be right

Leica Geosystems
Keyboard Mode with iOS
How to start

- This mode is only supported by the Leica DISTO™ D810 touch

- You can use either the iOS Bluetooth® manager to pair the devices or the Leica DISTO™ sketch App. Once the iOS device and the Leica DISTO™ are paired they will immediatelly connect if both are switched on.

- The Leica DISTO™ will be considered as a keyboard. So by sending a measurement the iOS device believes you are writing the value on a keyboard.

- You need to either set the DISTO™ D810 touch to following modes (see also page 10 of this presentation)

  - Spreadsheet mode:
    Use for sending decimal values without unit for further calculation

  - Text mode:
    Use for sending values an on the device display incl. unit for documentation
Keyboard Mode with iOS
How to send data and navigate in a Program

- After the devices are connected the favorite keys will change for sending measurement values or navigation

After you have transferred one value from the DISTO™ to the iOS device its keyboard will not pop up any more even you click on the Touchscreen. In this case just press the left favorite key (navigation on) and then the +/- key on the DISTO™.
Keyboard Mode with iOS

Good to know

- If you want to unpair device to prevent automatic detection either switch off Bluetooth® at DISTO™ or press „Forget device“ in the settings of the iOS device.

When a Leica DISTO™ D810 touch is already paired with one iOS or Windows 8 device it cannot be paired with a second device at the same time, it needs to be unpaired first!