

Leica DISTO™ with Bluetooth Smart usage on Android 4.3 or higher



V 1.1

April 2014

- when it has to be **right**

Leica
Geosystems

Content

- Leica DISTO™ devices
- Bluetooth compatibility
- Leica DISTO™ Bluetooth Smart
- Leica DISTO™ sketch for Android

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**



- when it has to be **right**

Leica
Geosystems

Overview DISTO™ compatibility

		Windows 7 	Windows 8.1 	Windows Mobile 6.5	Android 2.3.3 	Android 4.3 	iOS 
Leica DISTO™ D110 Bluetooth® 4.0 	-	Leica DISTO™ transfer  www.disto.com	-	-	Leica DISTO™ transfer BLE Leica DISTO™ sketch 	Leica DISTO™ sketch 	
Leica DISTO™ D3a BT Bluetooth® 2.1 	Leica DISTO™ transfer  www.disto.com	Leica DISTO™ transfer  www.disto.com	Leica DISTO™ transfer PPC  www.disto.com	Leica DISTO™ transfer Leica DISTO™ sketch 	Leica DISTO™ transfer Leica DISTO™ sketch 	-	
Leica DISTO™ D8 Bluetooth® 2.1 	Leica DISTO™ transfer  www.disto.com	Leica DISTO™ transfer  www.disto.com	Leica DISTO™ transfer PPC  www.disto.com	Leica DISTO™ transfer Leica DISTO™ sketch 	Leica DISTO™ transfer Leica DISTO™ sketch 	-	
Leica DISTO™ D510 Bluetooth® 4.0 	-	Leica DISTO™ transfer  www.disto.com	-	-	Leica DISTO™ transfer BLE Leica DISTO™ sketch 	Leica DISTO™ sketch 	
Leica DISTO™ D810 touch Bluetooth® 4.0 	-	Leica DISTO™ transfer Keypad mode *)  www.disto.com	-	-	Leica DISTO™ transfer BLE Leica DISTO™ sketch 	Leica DISTO™ sketch Keypad Mode *) 	

*) DISTO™ connects as a keyboard and sends data right to cursor position in any application or software

- when it has to be **right**



Prolog

This presentation should provide further advice on how to use the Leica DISTO™ with Bluetooth® Smart. Also the corresponding Apps for Android are described in this document.

Leica DISTO™ Bluetooth Smart



Getting started

- when it has to be **right**

Leica
Geosystems

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



Press for 2 sec. to switch
Bluetooth® on or off

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



Press '=' to switch on or off

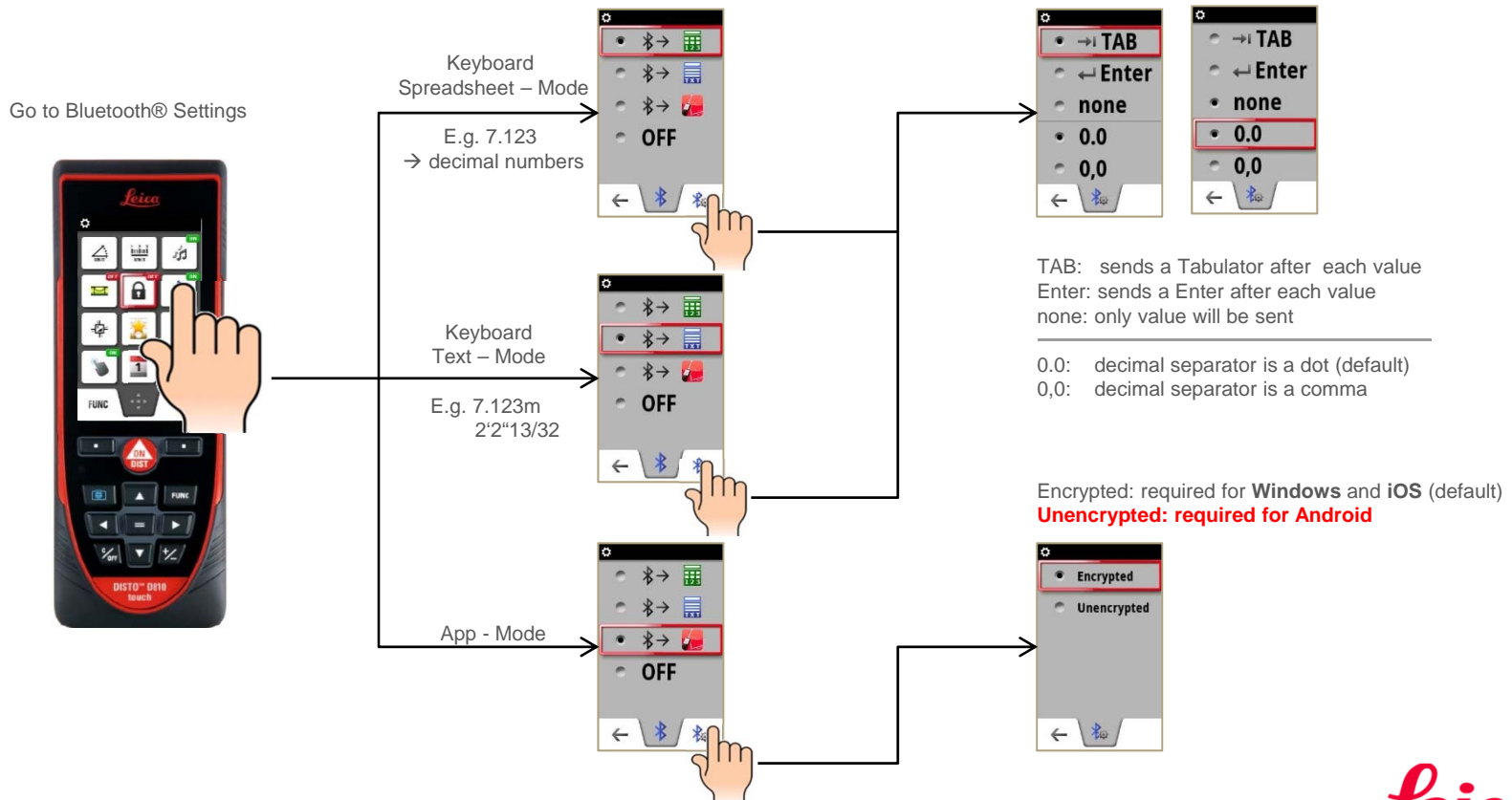
Leica DISTO™ D810 touch Bluetooth® Smart

- The Bluetooth® can be switched off in the Settings of the Leica DISTO™ D810 touch



Leica DISTO™ D810 touch Bluetooth® Smart

- The Leica DISTO™ D810 touch provides 3 different modes for use with Bluetooth®



- when it has to be **right**



Leica DISTO™ sketch

Android 4.3 or higher 

Getting started

- when it has to be **right**

Leica
Geosystems

Leica DISTO™ sketch for Android 4.3 or higher

Start App

- When using with Leica DISTO™ D810 touch we are recommending to use the App mode for Bluetooth®
- When using with Leica DISTO™ D810 touch it is required to set the Leica DISTO™ device Bluetooth® to unencrypted mode first. Otherwise the device will connect but it will not transfer measurement values!
This is not required for the Leica DISTO™ D510 or D110.



This App works with Leica DISTO™ D3a BT (D330i), D8, D110, D510 and D810 touch

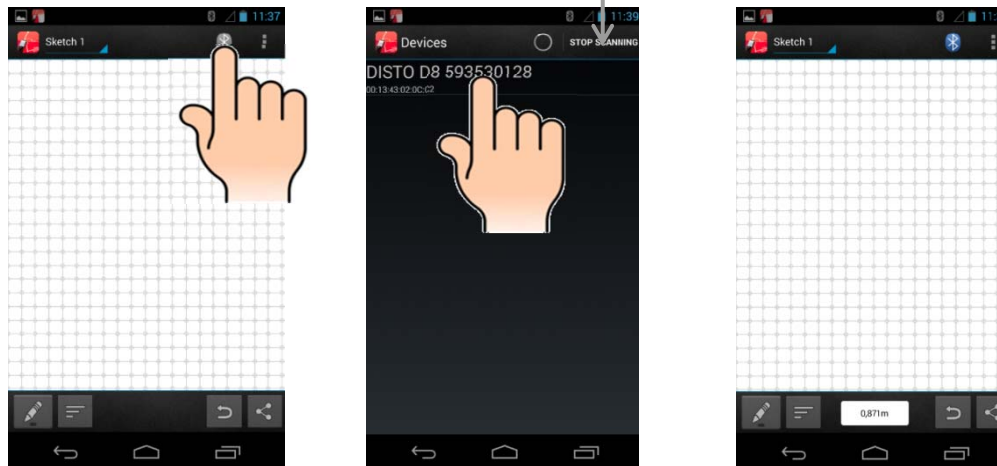
- when it has to be **right**

Leica
Geosystems

Leica DISTO™ sketch for Android 4.3 or higher

Start App – Connect Bluetooth®

Press if you want to start Scan for devices again



Leica DISTO™ sketch for Android 4.3 or higher

Sketch layout Overview

Add new sketch or photograph

Connect/disconnect Bluetooth®

Start Menu for Tutorial, Reset App

Tutorial
Reset App
Acknowledgement

Draw new line

Export file to library, csv for table and pdf for sketch

0,871m

Show list of results (table)

Value from DISTO™

Undo

Name	Length	Inclin.	Description
Line 1	0,085m		
Line 2	2,848m		
Line 3	3,549m		
Line 4	0,223m		
Line 5	2,090m		
Line 6	5,809m		
Area 7	40,377m²		
Volume 8	199,400m³		

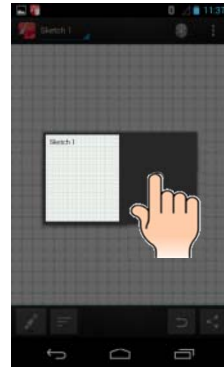
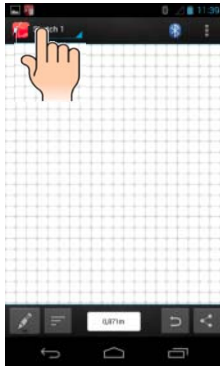
CSV
PDF

- when it has to be **right**

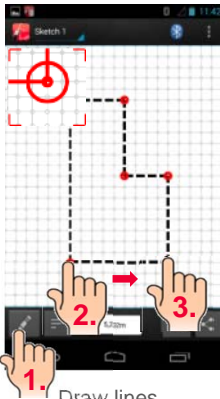
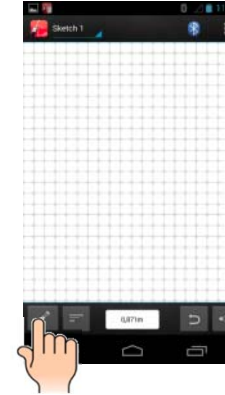
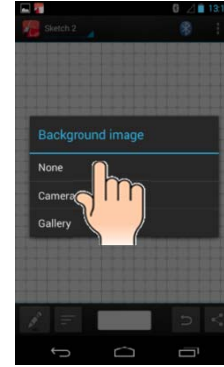
Leica
Geosystems

Leica DISTO™ sketch for Android 4.3 or higher

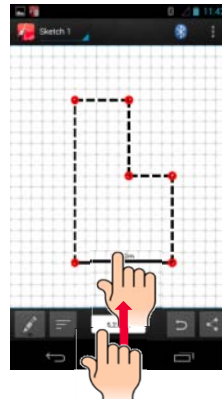
Create new sketch



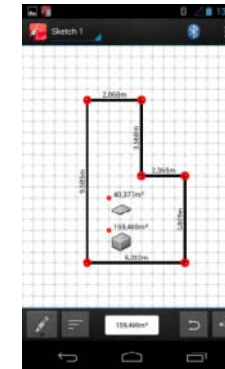
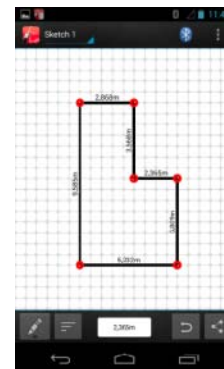
Enter new name if required



Draw lines



Move Value to line



Transfer area, volume or a slope

Please Note

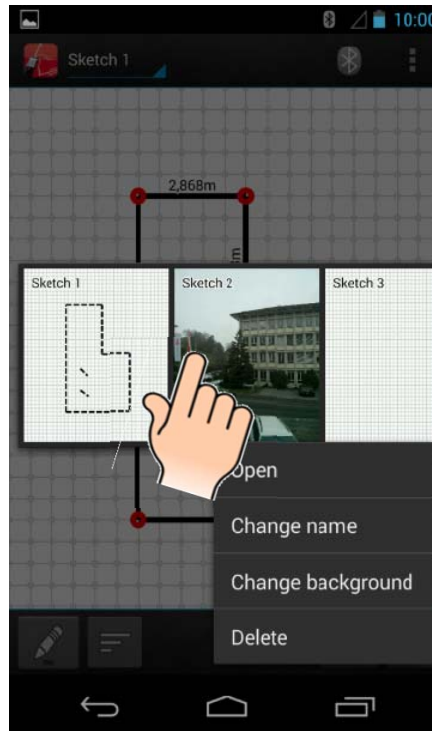
Auto-scale not available for this App version

- when it has to be **right**

Leica
Geosystems

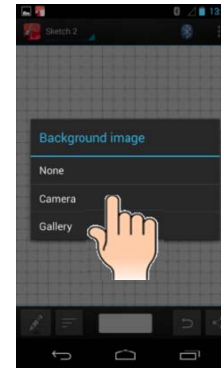
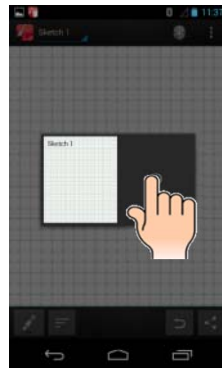
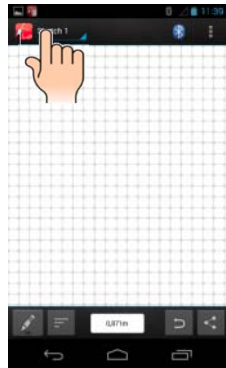
Leica DISTO™ sketch for Android 4.3 or higher

Changing sketch name or deleting sketch



Leica DISTO™ sketch for Android 4.3 or higher

Create new sketch with photo



Leica DISTO™ sketch for Android 4.3 or higher

Good to know

- 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.



Press short to send the measurement value from the main line of the display (e.g. area)

- To send a value using a D3a BT or D8 with Bluetooth® 2.1 you need to press the Bluetooth® key
- 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.



Leica DISTO™ D3a BT (D330i)



Leica DISTO™ D8



Leica DISTO™ D510 or D810 touch

- when it has to be right



Leica DISTO™ transfer

Android 4.3 or higher 

Getting started

- when it has to be **right**

Leica
Geosystems

Leica DISTO™ transfer for Android 4.3 or higher

Start App

- When using with Leica DISTO™ D810 touch we are recommending to use the App mode for Bluetooth®
- When using with Leica DISTO™ D810 touch it is required to set the Leica DISTO™ device Bluetooth® to unencrypted mode first. Otherwise the device will connect but it will not transfer measurement values!
This is not required for the Leica DISTO™ D510 or D110.



Please
Note

This App works with Leica DISTO™ D3a BT (D330i), D8, D110, D510 and D810 touch.
A version of this App is available for older Android versions as well but this does not support Bluetooth® smart

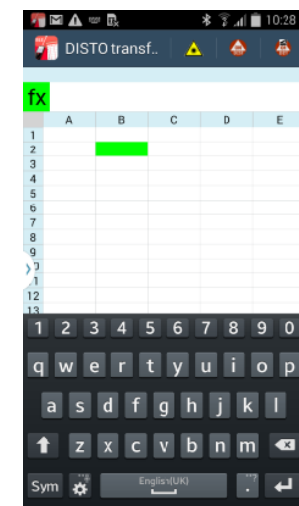
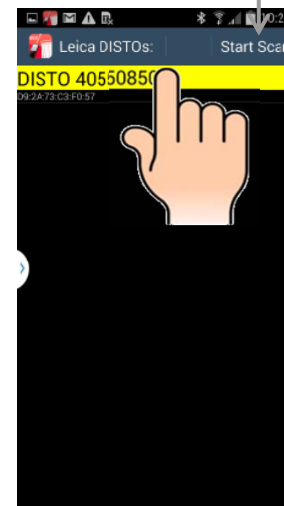
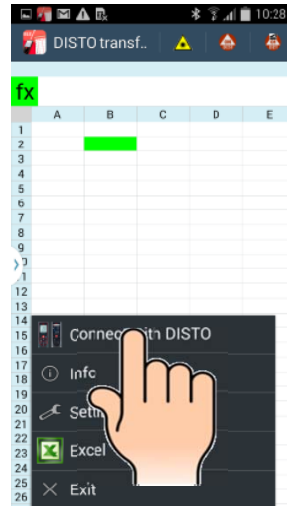
- when it has to be **right**

Leica
Geosystems

Leica DISTO™ transfer for Android 4.3 or higher

Start App – Connect Bluetooth®

Press if you want to start Scan for devices again



Press Menu to get pop-up

Leica DISTO™ transfer for Android 4.3 or higher

Transfer layout Overview

Shows location of File → /storage/emulated/0/Disto_20140416T104411.xls; DISTO 40550850

Text field for entering numbers or formulas → Es =A1+A2

Switch Laser of DISTO™ on/off *)

Start Distance Measurement on DISTO™ *)

Start Distance and Tilt Measurement on DISTO™ *)

*) Not possible for DISTO™ D510

Enabling confirmation Beep → Measure Beep

Enabling start screen → Show Splash Screen

Enable to search Excel files only / Disable to search with file manager → Search Excel Files

Enable to get data with units (e.g. 1,234m) → Units

Jump to next row after data received → Enter

Jump to next column after data received → Tabulator

Choose to convert metric data to cm or mm → Metric Data

Choose data format for feet and inch → Imperial Data

Enable to store data in clipboard to paste into any app (if transfer is running in background) → Send to Clipboard

Start file managing

Exit to close program, otherwise it continues working in the background

- when it has to be right

	A	B	C	D	E
1	1.352				
2	1.346				
3	7.424				
4	7.415				
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					