

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



V 1.1

April 2014

- when it has to be **right**

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# 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**



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# Overview DISTO™ compatibility

		Windows 7 	Windows 8.1 	Windows Mobile 6.5	Android 2.3.3 	Android 4.3 	iOS 
<b>Leica DISTO™ D110</b> Bluetooth® 4.0		-	Leica DISTO™ transfer  <a href="http://www.disto.com">www.disto.com</a>	-	-	Leica DISTO™ transfer BLE Leica DISTO™ sketch 	Leica DISTO™ sketch 
<b>Leica DISTO™ D3a BT</b> Bluetooth® 2.1		Leica DISTO™ transfer  <a href="http://www.disto.com">www.disto.com</a>	Leica DISTO™ transfer  <a href="http://www.disto.com">www.disto.com</a>	Leica DISTO™ transfer PPC  <a href="http://www.disto.com">www.disto.com</a>	Leica DISTO™ transfer Leica DISTO™ sketch 	Leica DISTO™ transfer Leica DISTO™ sketch 	-
<b>Leica DISTO™ D8</b> Bluetooth® 2.1		Leica DISTO™ transfer  <a href="http://www.disto.com">www.disto.com</a>	Leica DISTO™ transfer  <a href="http://www.disto.com">www.disto.com</a>	Leica DISTO™ transfer PPC  <a href="http://www.disto.com">www.disto.com</a>	Leica DISTO™ transfer Leica DISTO™ sketch 	Leica DISTO™ transfer Leica DISTO™ sketch 	-
<b>Leica DISTO™ D510</b> Bluetooth® 4.0		-	Leica DISTO™ transfer  <a href="http://www.disto.com">www.disto.com</a>	-	-	Leica DISTO™ transfer BLE Leica DISTO™ sketch 	Leica DISTO™ sketch 
<b>Leica DISTO™ D810 touch</b> Bluetooth® 4.0		-	Leica DISTO™ transfer Keypad mode *)  <a href="http://www.disto.com">www.disto.com</a>	-	-	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

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# 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

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# 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

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# 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

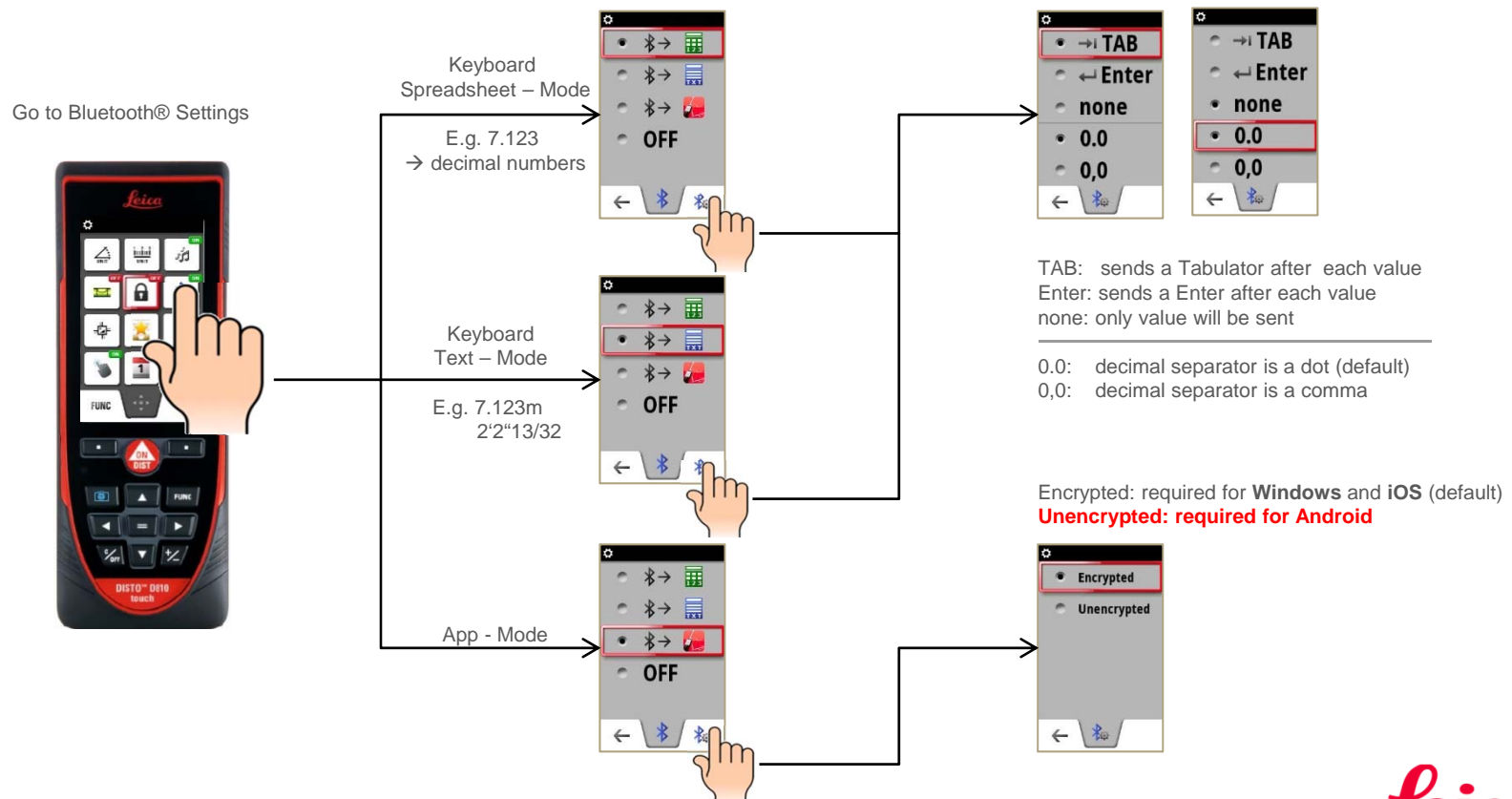
# Leica DISTO™ D810 touch Bluetooth® Smart

- 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®



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# Leica DISTO™ sketch

Android 4.3 or higher 

Getting started

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# 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

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# Leica DISTO™ sketch for Android 4.3 or higher

## Start App



Tutorial

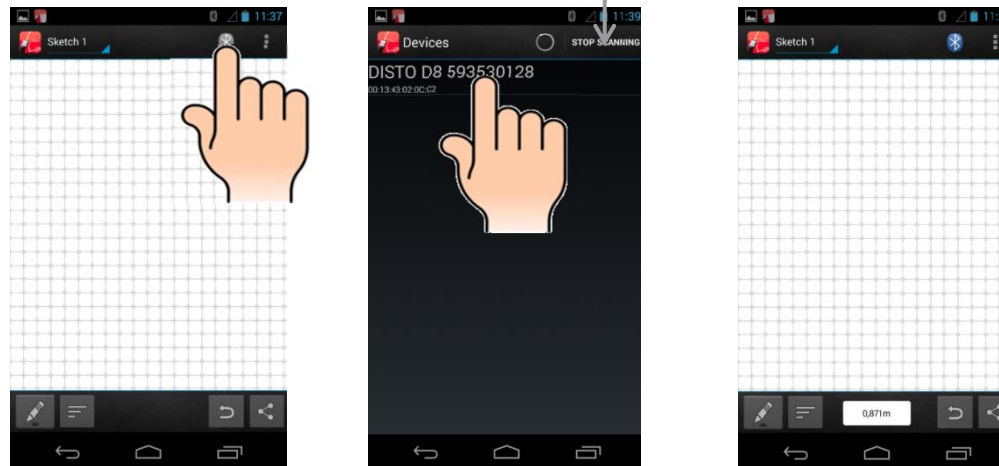
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# Leica DISTO™ sketch for Android 4.3 or higher

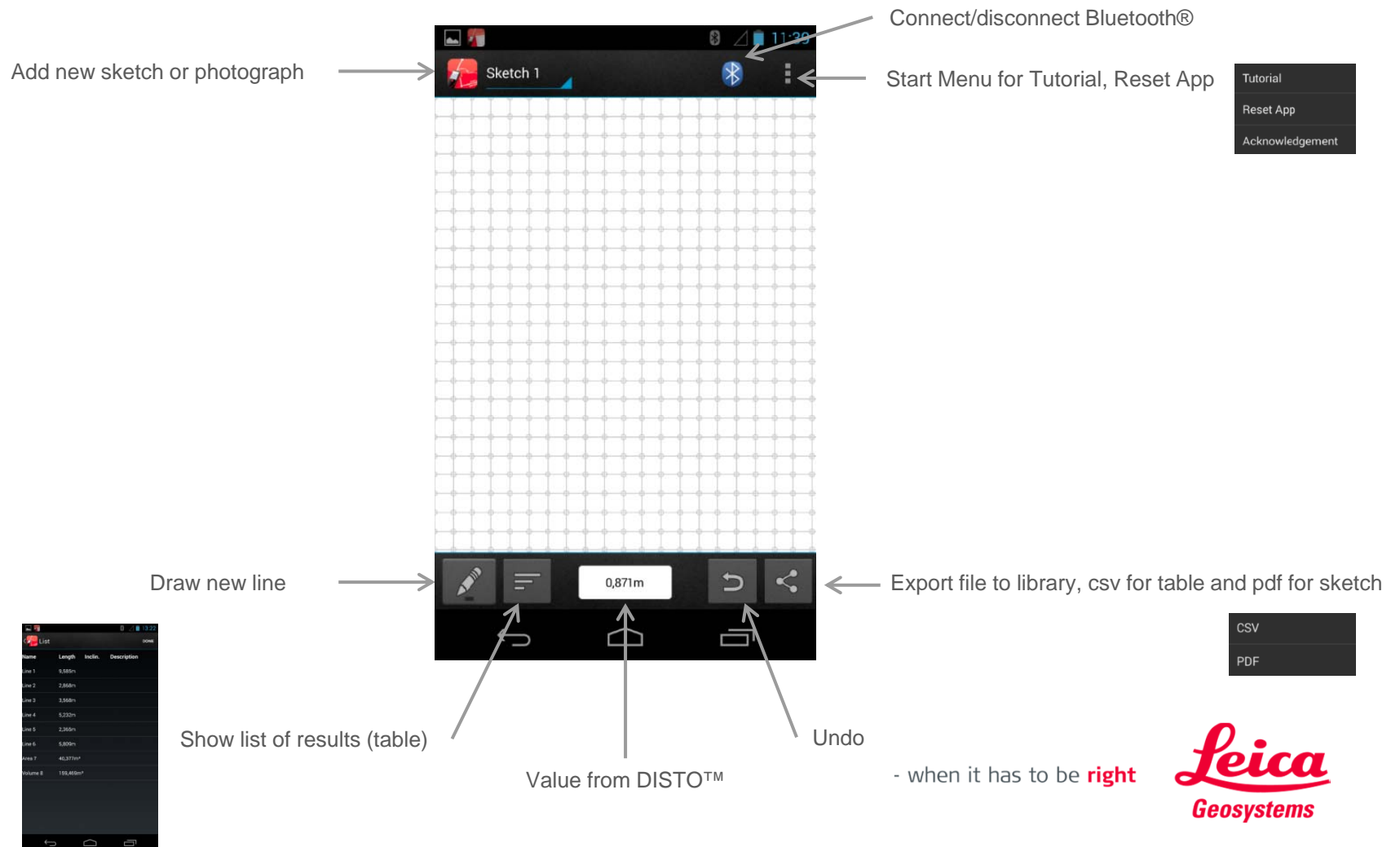
## Start App – Connect Bluetooth®

Press if you want to start Scan for devices again



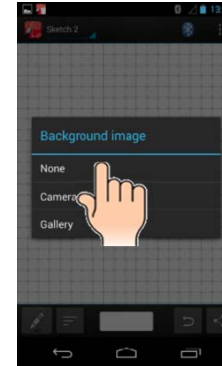
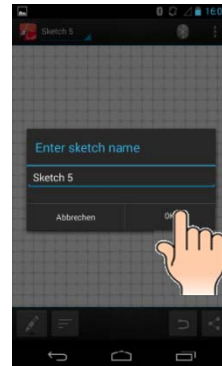
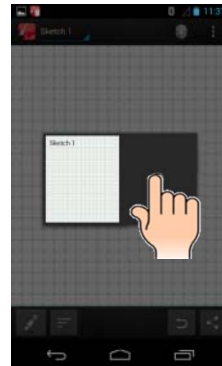
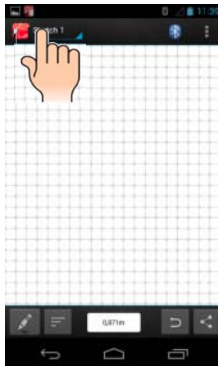
# Leica DISTO™ sketch for Android 4.3 or higher

## Sketch layout Overview

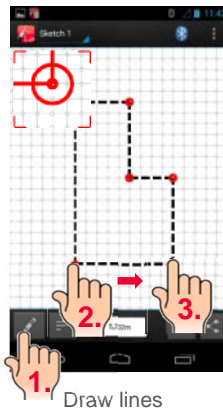


# Leica DISTO™ sketch for Android 4.3 or higher

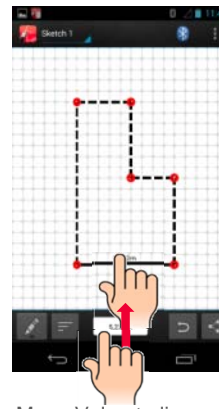
## Create new sketch



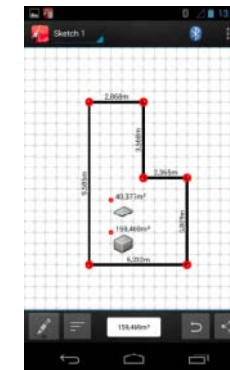
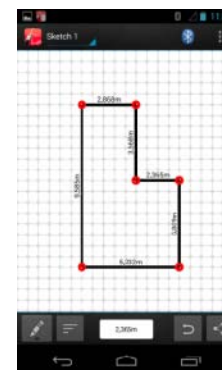
Enter new name if required



Draw lines



Move Value to line



Transfer area, volume or a slope



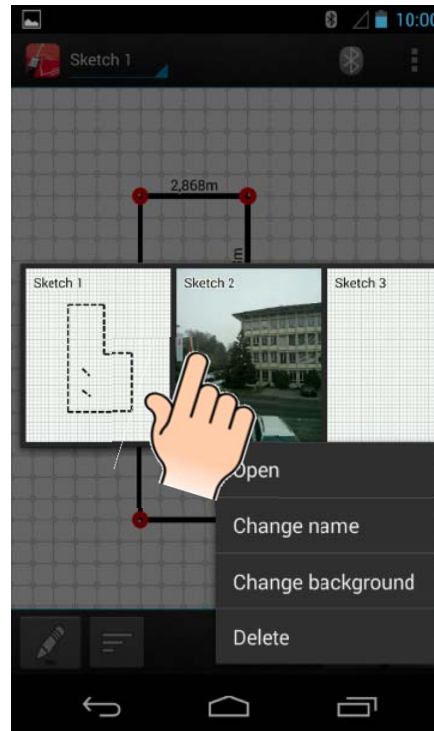
Auto-scale not available for this App version

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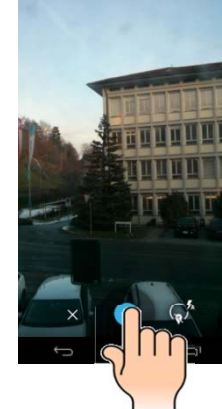
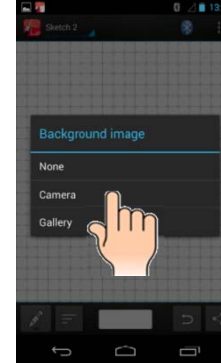
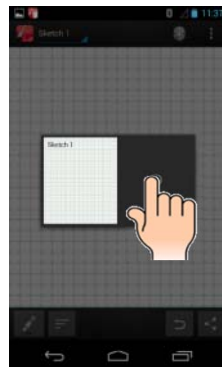
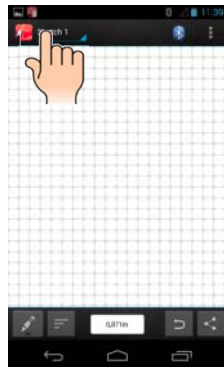
# Leica DISTO™ sketch for Android 4.3 or higher

## 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

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# Leica DISTO™ transfer

Android 4.3 or higher 

Getting started

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# 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

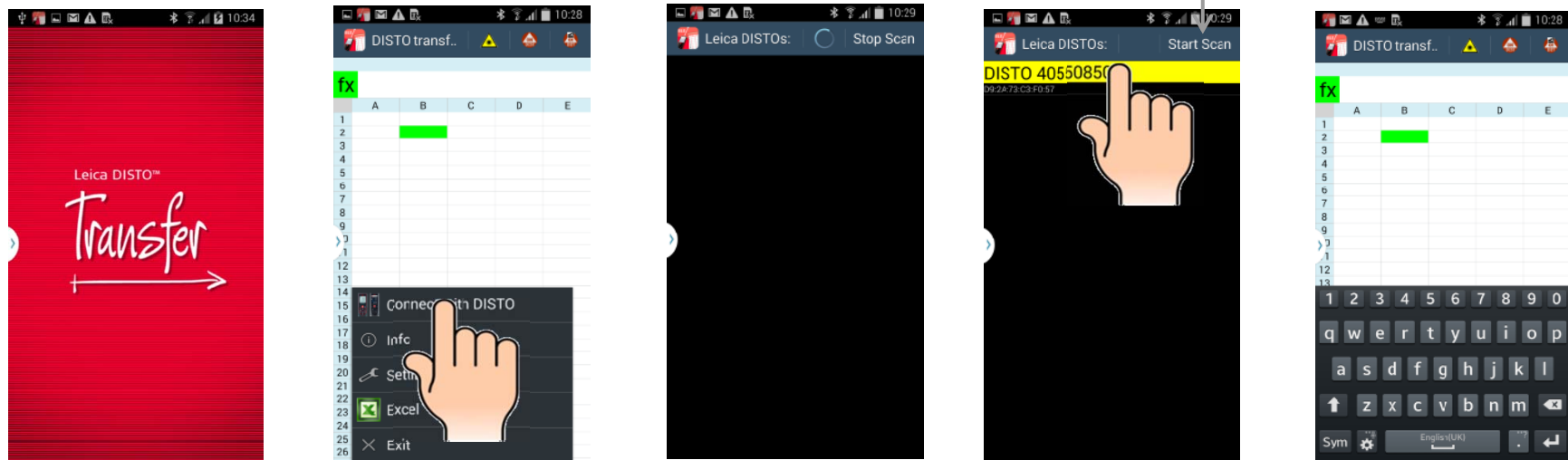
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# Leica DISTO™ transfer for Android 4.3 or higher

## 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

Connect with DISTO

Info

Settings

Excel → Start file managing

Exit

Open ...

Save

Save as ...

New Excel File

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

- when it has to be right