

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**



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

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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

- when it has to be **right**

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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

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

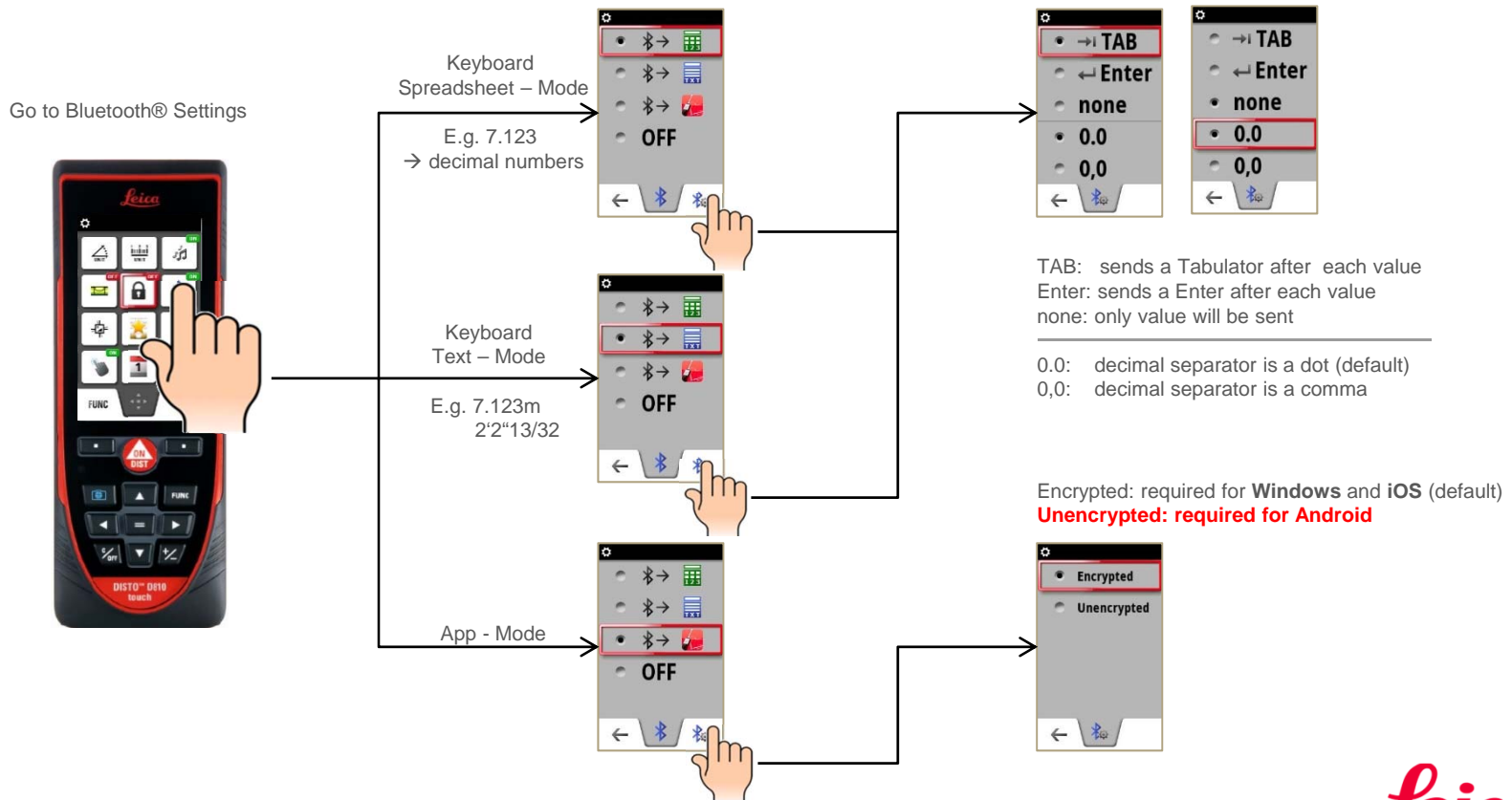
Leica DISTO™ D810 touch Bluetooth® Smart

- 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

- when it has to be **right**

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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.



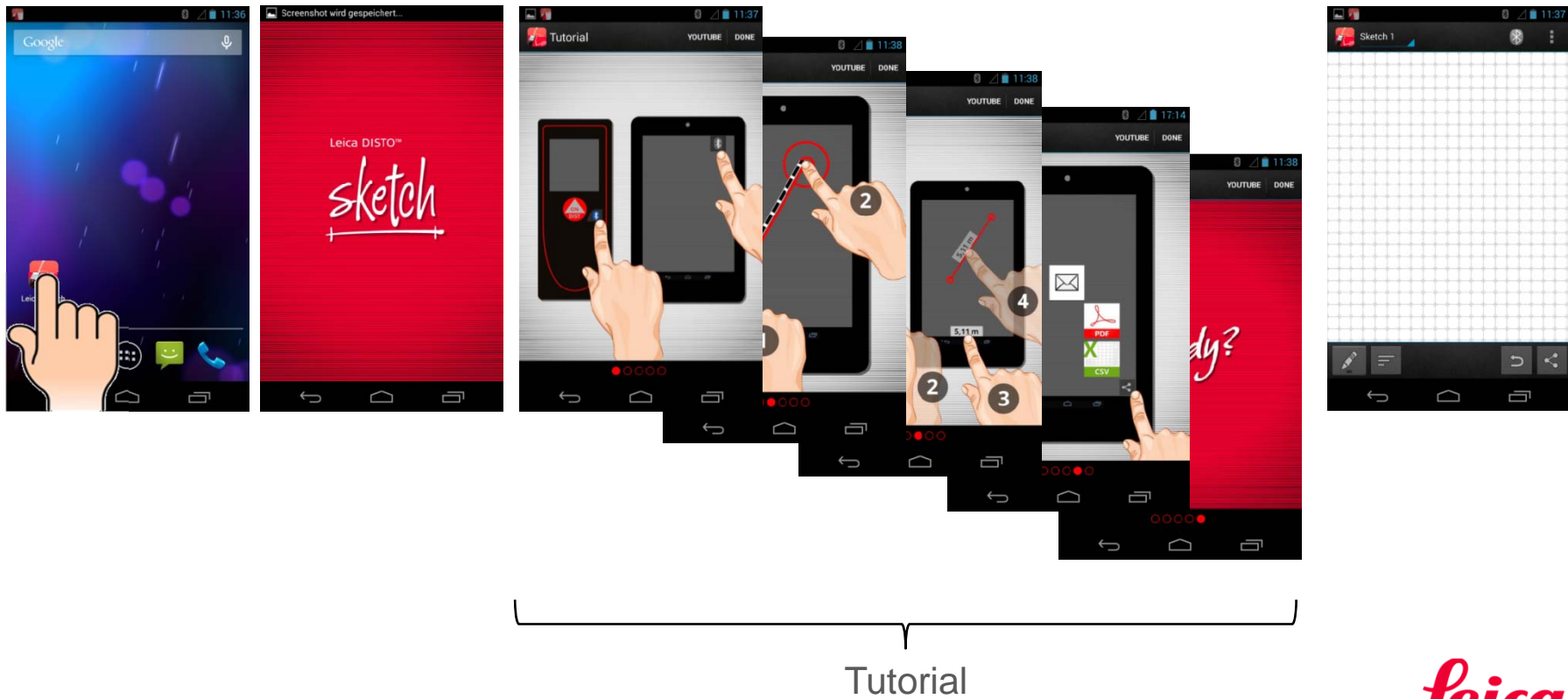
This App works with Leica DISTO™ D3a BT (D330i), D8, D110, D510 and D810 touch

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Leica DISTO™ sketch for Android 4.3 or higher

Start App



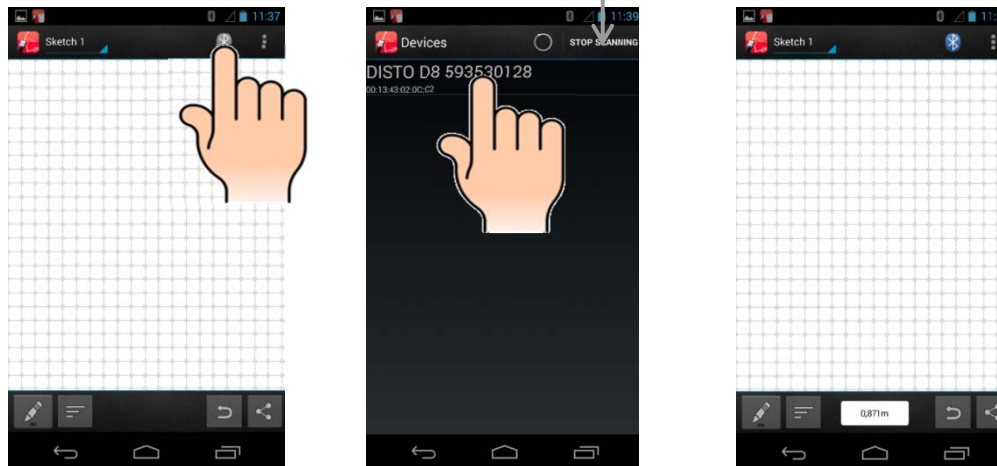
- when it has to be **right**



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

- CSV
- PDF

Show list of results (table)

Name	Length	Inclin.	Description
Line 1	0,085m		
Line 2	2,848m		
Line 3	3,568m		
Line 4	5,223m		
Line 5	2,990m		
Line 6	5,809m		
Area 7	40,377m²		
Volume 8	199,400m³		

Value from DISTO™

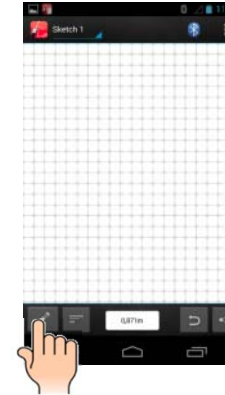
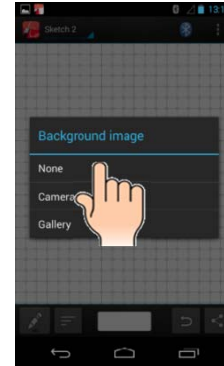
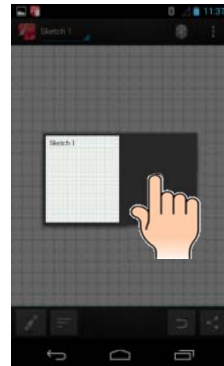
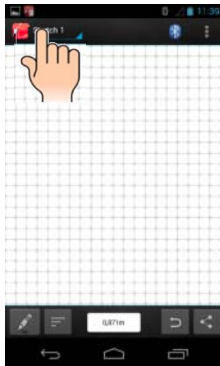
Undo

- when it has to be **right**

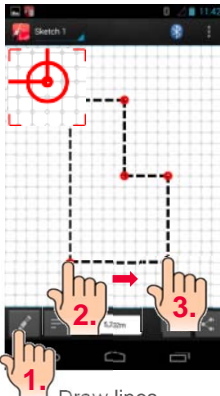
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Leica DISTO™ sketch for Android 4.3 or higher

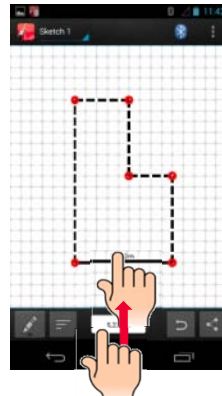
Create new sketch



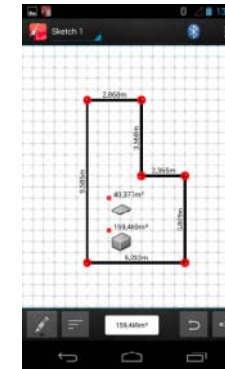
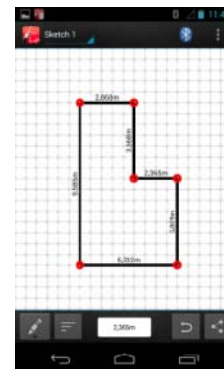
Enter new name if required



Draw lines



Move Value to line



Transfer area, volume or a slope

Please Note

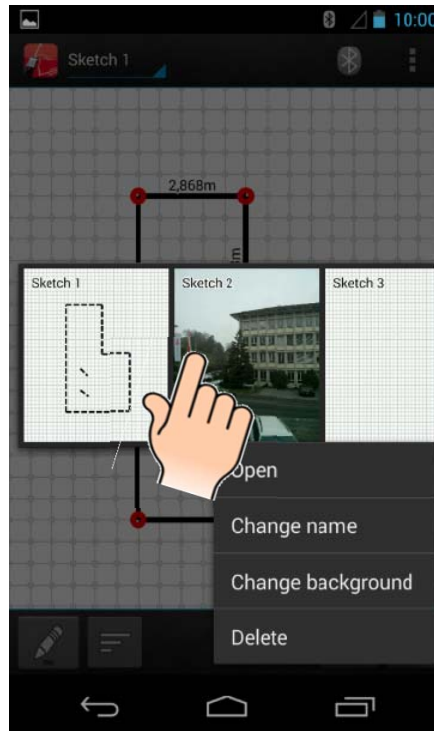
Auto-scale not available for this App version

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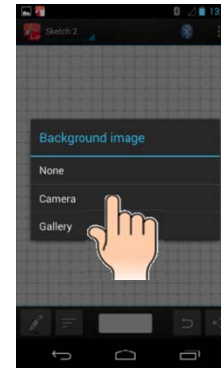
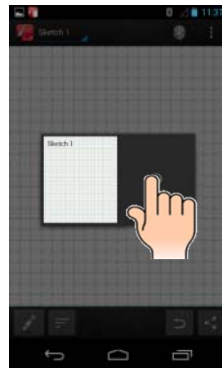
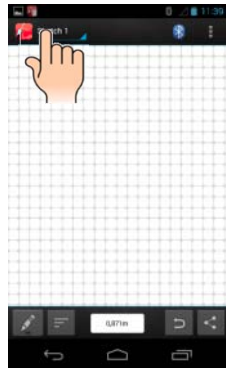
Leica DISTO™ sketch for Android 4.3 or higher

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

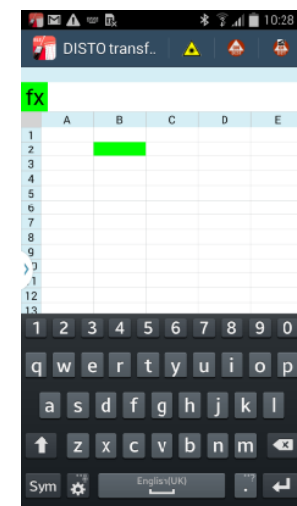
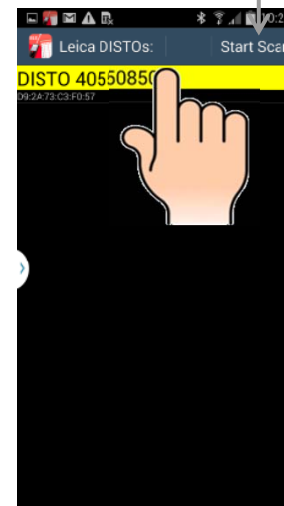
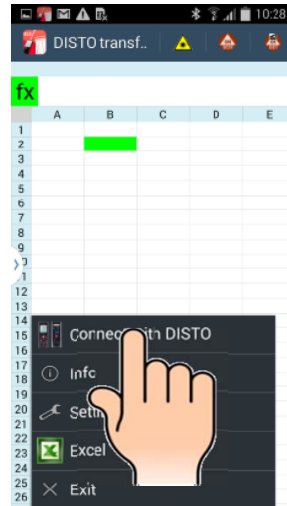
- when it has to be **right**

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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

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					
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25					