



How to receive data from Leica DISTO® devices for CoGo tools on iOS

The iOS edition of topoXpress supports Leica DISTO® devices through Bluetooth® Smart connection to perform data collection with the CoGo (Coordinate Geometry) tools. The DISTO® devices are providing distance (e.g. for Distance Intersection) and optionally azimuth values (e.g. For Polar Survey) when a DST360 adapter is used.

In this tutorial we present 2 option on how to set up a DISTO® device with topoXpress:

Option 1: DISTO® is not paired and not connected to the device

1.

When you want to use a DISTO® device, which was never used before with your iOS device, first you need to pair it. Turn on the DISTO® and place it next to your iOS device.

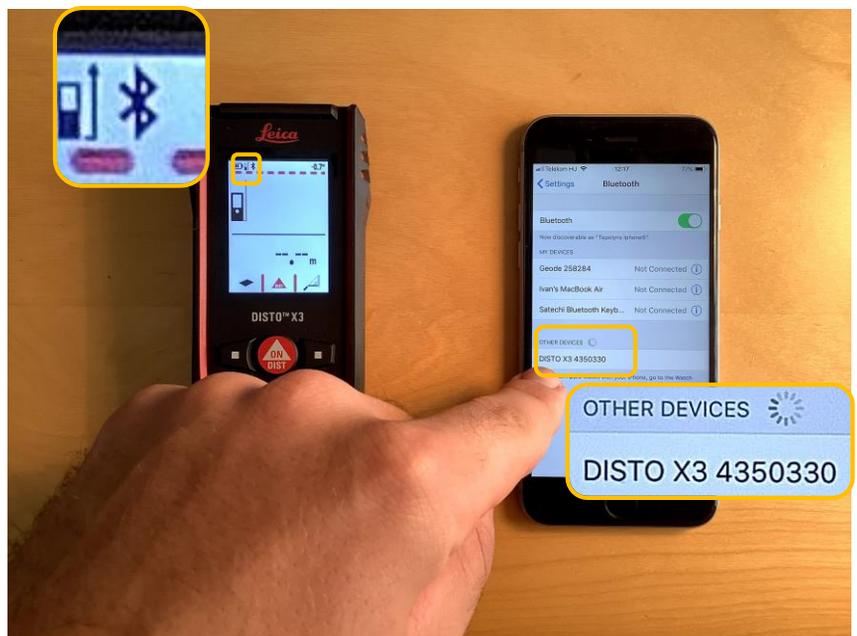
Make sure, that topoXpress is not running in the background on your iOS device!



2.

Make sure that the DISTO® is in pairing mode, by showing the Bluetooth icon in **black color** on the top left.

On your iOS device go to the **Bluetooth settings** and select the DISTO® model you have in the **OTHER DEVICES** list.



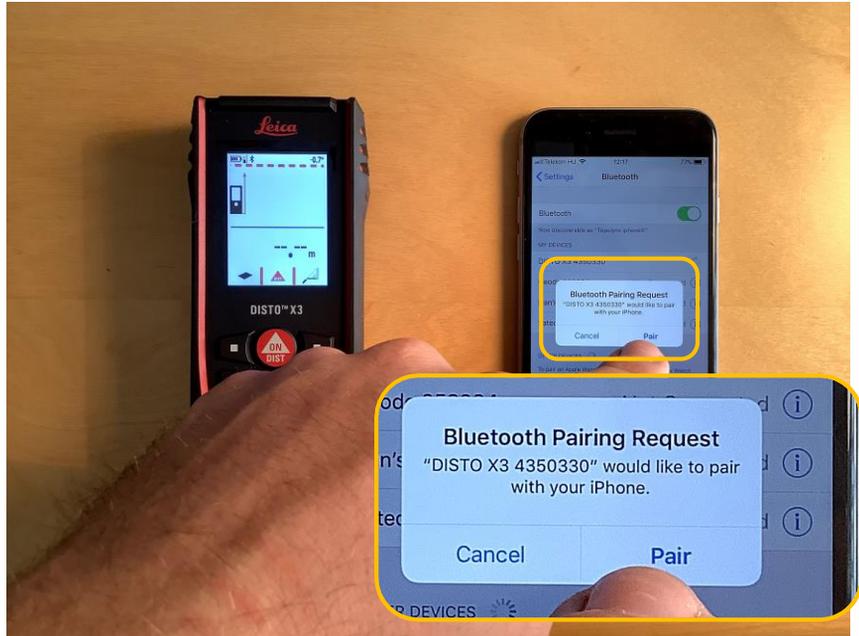


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3.

After selecting your device on the list, a message should pop-up about pairing a Bluetooth device. Tap the **Pair** button.

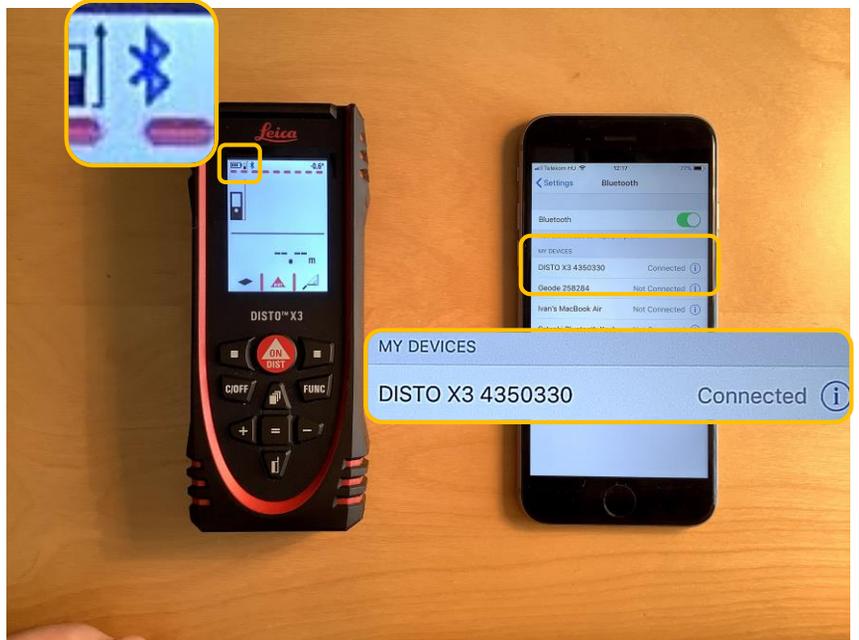


4.

Make sure that the DISTO® pairing was successful, by showing the Bluetooth icon in **blue color** on the top left.

On your iOS device the DISTO® should be in a connected state in the **MY DEVICES** list.

After this step, the DISTO® is ready to use with topoXpress.



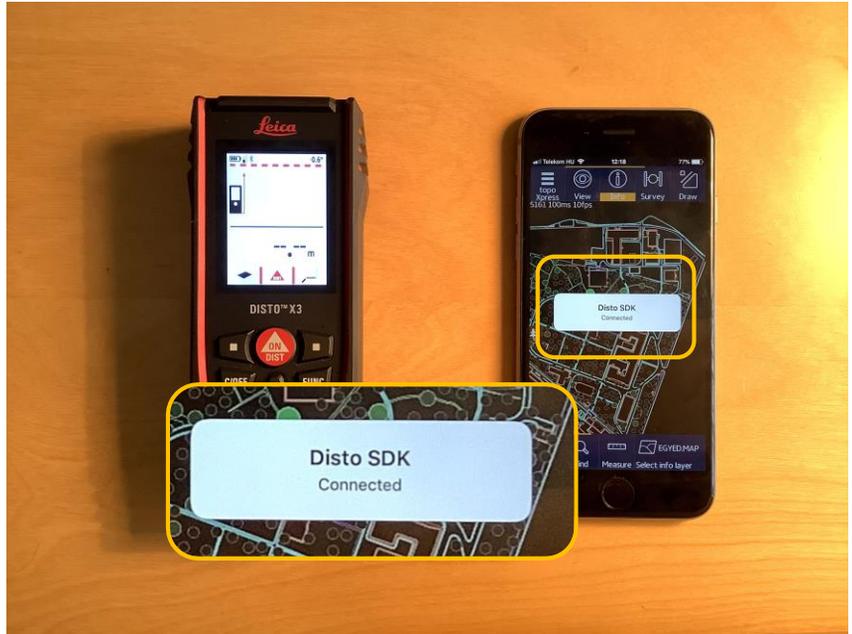


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5.

Launch topoXpress and after a few seconds a message should pop-up. It should confirm the connection with the DISTO®.



6.

In topoXpress go to the **Settings/Peripherals** and check if your device is listed in the **Rangefinder device** field.

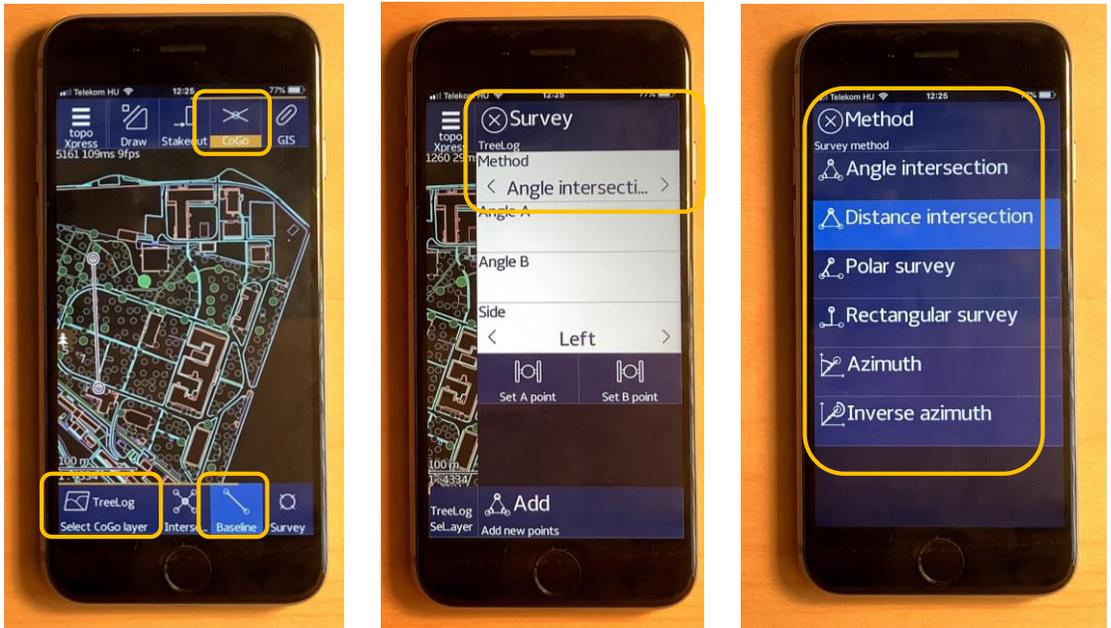
If yes, you are ready to use the CoGo functions.



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7.



At the **CoGo** toolkit, first **Select a point layer**, then draw a **Baseline**. On the **Survey** panel select the appropriate **Method** (e.g. for DISTO® select a distance based method like **Distance intersection**).

8.

When a distance-based method is selected a switch appears next to the **Distance A** and **B** label.

Tap that circle, where you want the distance input from the DISTO® (on the picture **Distance A** is selected)



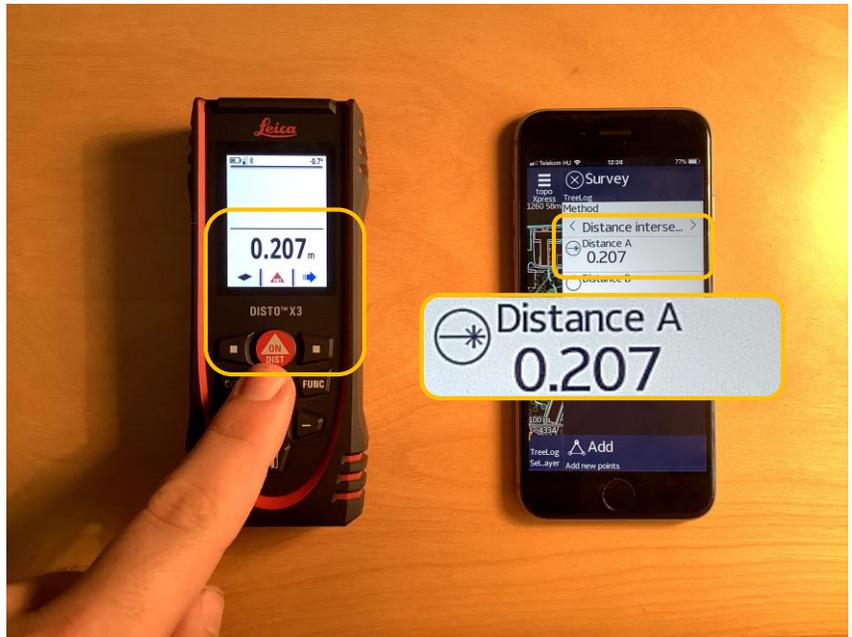


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9.

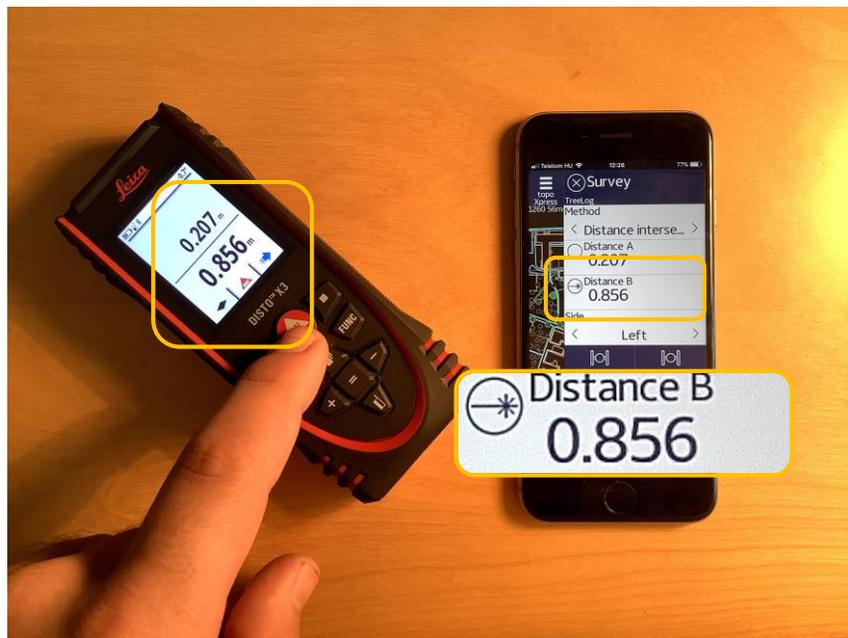
Press the measure button on the DISTO® and the measured distance will show up on the survey panel.



10.

Switch to the **Distance B** and shoot another target.

The measurement will appear in the field.



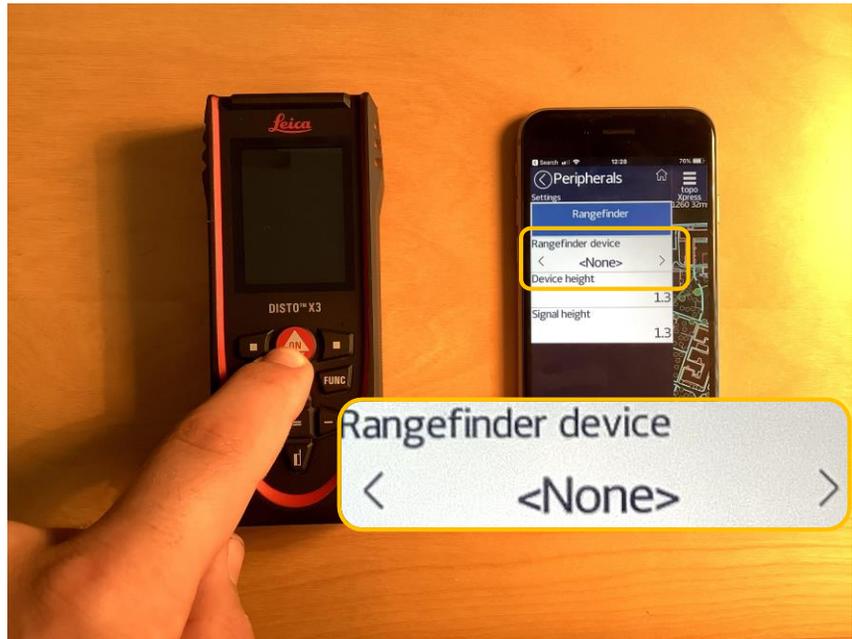
Option 2: DISTO® is already paired but not connected

1.

When the DISTO® is already paired to the iOS device you can set it up any time inside the topoXpress app.

Put your turned off DISTO® next to your iOS device.

Launch topoXpress and go to the **Settings/Peripherals** menu. If you see *<None>* in the **Rangefinder device** field, turn the DISTO® on first, then tap the field.



2.

A process indicator will show up for *5 seconds* in topoXpress. During the wait it is establishing a connection with the DISTO® in the background.





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Option 2: DISTO® is already paired but not connected

3.

When the process indicator disappears, you should see a pop-up message about the successful connections and in the **Rangefinder device** field your device should be present.

If you see your device in the field, you can proceed to the CoGo toolkit.

