LTI's TruPoint 300 Interface to

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Collector and Survey123

Quick Reference Guide

Overview

LTI's TruPoint 300 laser is a versatile tool for making accurate measurements for Building Information Management, Joint-use Pole inventories and other applications. These dimensions can be consumed as text input directly within Esri's Collector and Survey123 apps, providing a seamless integration into the workflow.

Compatible Esri products:
- Collector for ArcGIS (version 18.x)
- Survey123 for ArcGIS (version 3.x)
- ANY app with a text input field!

Basic Steps

- Configure the TruPoint 300

- Connect the Laser to the Device

- Send Measurements to the App

Configure the TruPoint 300

All of the measurement routines on the TruPoint 300 are available as text output over a Bluetooth connection. Distance, angles and dimensions can be sent directly into any text form (*The exception is any routine that includes data from the horizontal encoder – these are sent over WiFi only.)

1. Press the **FUNC** button and then the *Settings* button (Figure 1)
2. Locate the *Wireless* option and select it (Figure 2)
3. Select the **Bluetooth** icon and press the *Bluetooth Settings* button (Figure 3)
4. Choose Numeric only (green) or Alpha-numeric (blue) output and press the **Bluetooth Settings** button again (Figure 4)

Figure 1   Figure 2   Figure 3   Figure 4

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5. Select what to do with the Cursor and the Decimal format (Figure 5)
6. Press the *Left Arrow* function button repeatedly to save these settings and return to the measurement screen (Figure 6)

Figure 5

Figure 6

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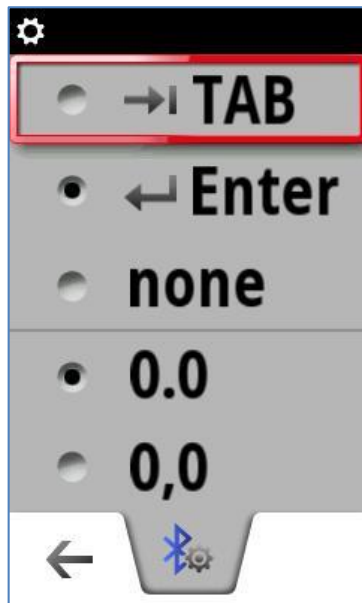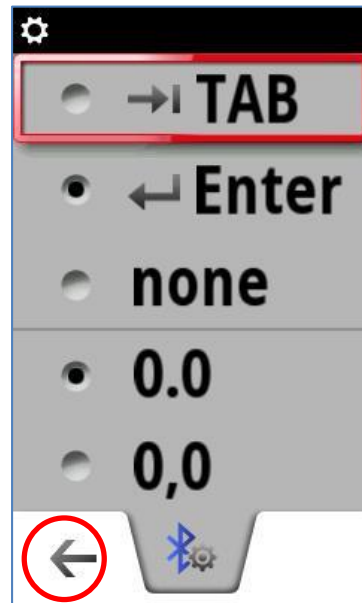
Connect the Laser to the Device

The first time you use a TruPoint 300, you must pair it with your device. It is compatible with Windows, Apple and Android operating systems. Make sure your laser is powered On with BT On before continuing.

7. Turn Bluetooth On in your mobile device and locate the TruPoint 300 (Figure 7)
8. Pair with the unit and confirm connectivity by seeing a blue-colored Bluetooth icon on the TruPoint 300 (Figure 8)
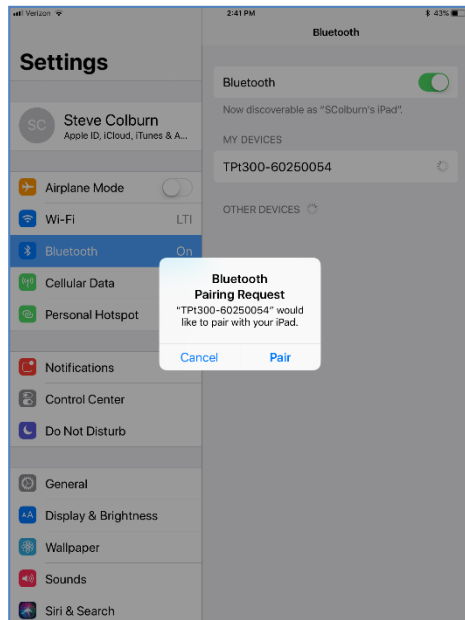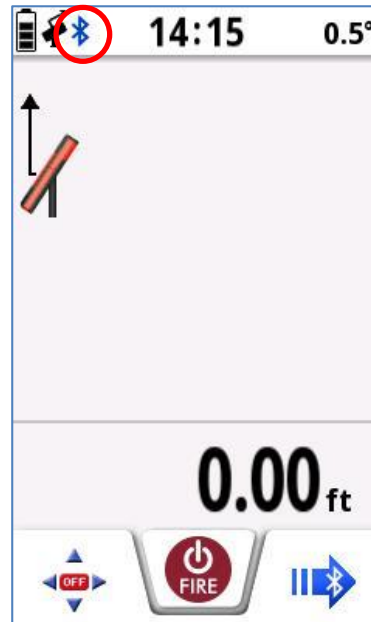

Figure 7

Figure 8

Send Measurements to the App

Almost all of the measurement routines can be selected for Bluetooth output.

9. Using the required measurement routine on the TruPoint 300, such as Height Tracking, complete the sequence to display the result (Figure 9)
10. Open the app, such as Collector, and position the cursor in the form (Figure 10)
11. Press the blue transfer button to send the measurement (Figure 11)
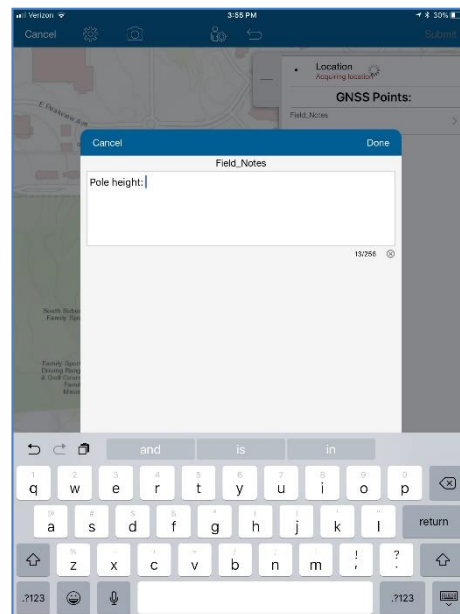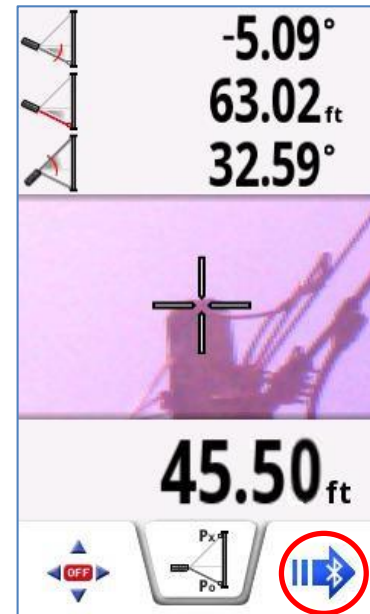12. Confirm the data comes through in the proper location (Figure 12)
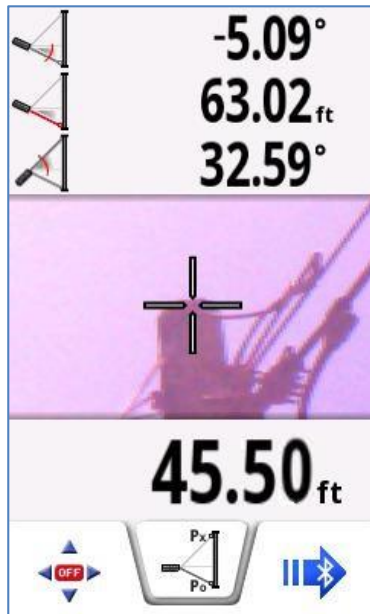
| Figure 9 | Figure 10 | Figure 11 | Figure 12 |

LASER TECHNOLOGY inc
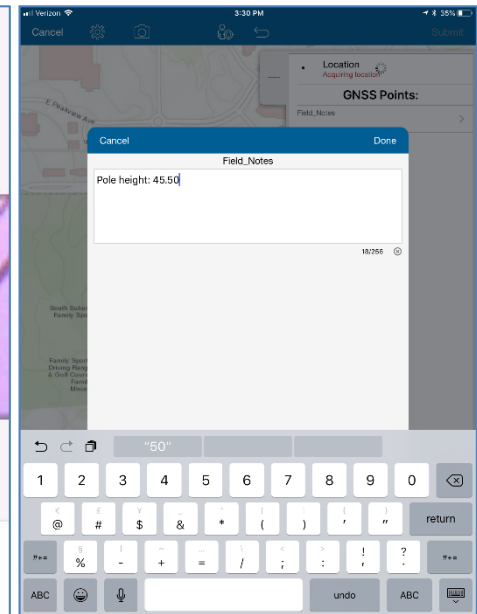
Sending Measurement Tips

All of the onboard measurement routines on the TruPoint 300 can send the answer they generate over Bluetooth.

- Look for the blue Transfer symbol (right program key) to send the data (Figure 13)
- If you need to send another part of the solution, use the scroll arrows to place that data in the window and then press Transfer (Figure 14)
- If the measurement routine does not present the blue Transfer key (Figure 15), press the "=" (equal sign) key to send the data (Figure 16)

Figure 13
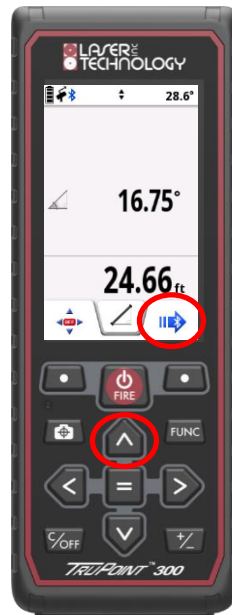
Figure 14

Figure 15

Figure 16

Keyboard Tips

In this communication mode, the TruPoint 300 connects to your device as a keyboard. This will override the on-screen keyboard and here are the ways to get it back:

Android: Install a Keyboard Manager from Google Play, such as "Quick Keyboard Switch" and use this app to display the on-screen keyboard (Figure 17)

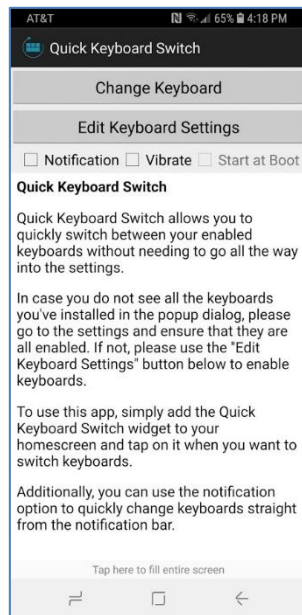**iOS**: on the TruPoint 300, press the left program key (inside turns green) and then the +/- key in the lower right corner. This will activate the keyboard. (Figure 18)

Figure 17

Figure 18

Product Resources

http://www.lasertech.com/TruPoint-300-Total-Station.aspx

http://www.esri.com/products/survey123

https://www.esri.com/en-us/arcgis/products/collector-for-arcgis

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Contact Laser Technology, Inc.

Questions regarding the interface of the TruPoint 300 to mobile apps?

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