LTI TruPulse 200X Interface to GeoJot app
for Pole Audit, etc.

GeoSpatial
EXPERTS

Quick Reference Guide

LASER TECHNOLOGY inc

Overview

LTI's TruPulse 200X high-precision mapping laser has BT output to any mobile device. The GeoJot app has a laser interface for offset positioning; and for recording heights and other dimensions as attributes.

Compatible LTI products

- TruPulse 200X for Pole Audit
- TruPulse 200/360/R for other

Basic Steps

- Connect Laser to Device

- Configure GeoJot (version 2.6.8)

- Locate the Pole and Record Attributes

- QC and Export to Design Software

Connect Laser to Device

The TruPulse 200X's Bluetooth module is compatible with Windows, Android and Apple iOS. The TruPulse 200/360/R products will connect to Windows and Android. The first time you connect the laser to your device, it will need to be paired.

1. In the laser Settings menu, turn Bluetooth "On" (Figure 1)
2. On the device, turn Bluetooth On and discover the TruPulse (Figure 2)
3. Choose to pair with it and enter the passcode "1234" for the 200X; or "1111" for the TruPusle 200/360/R (Figure 3)
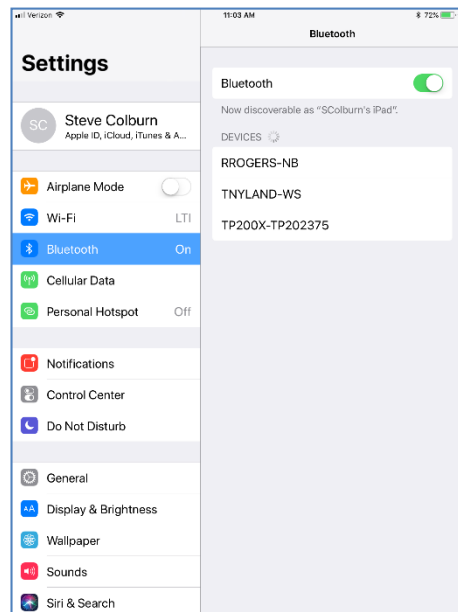4. Confirm the laser is paired to the device and exit the Settings menu (Figure 4)
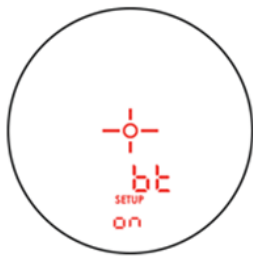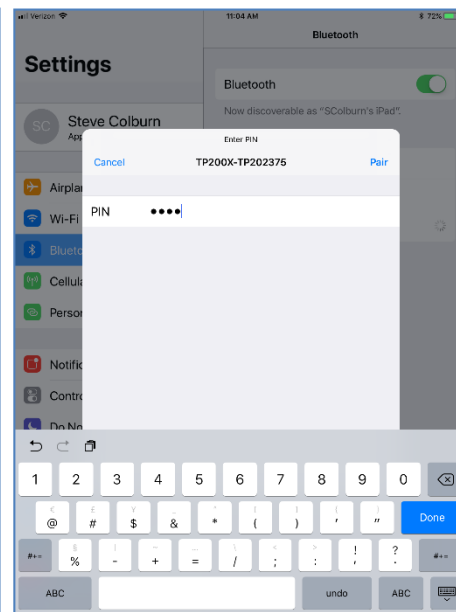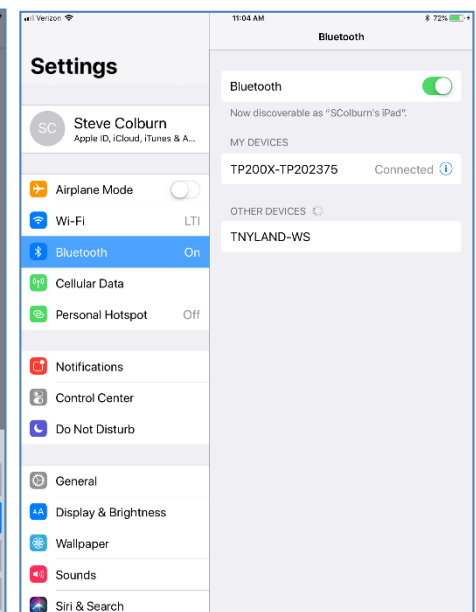
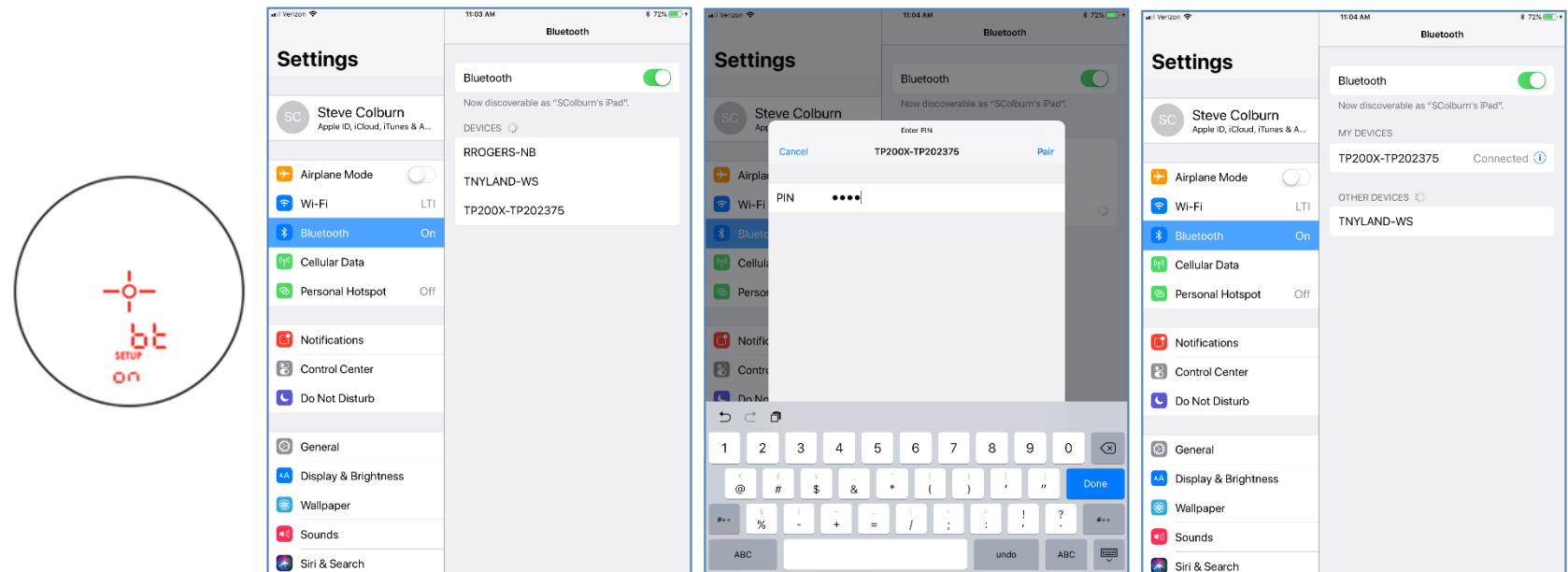Figure 1   Figure 2   Figure 3   Figure 4

LASER TECHNOLOGY INC

Configure GeoJot

GeoSpatial Experts' GeoJot is an image based data collection app that can be customized for a variety of applications. All data is geo-referenced and can be exported to industry standard design applications or directly to a GIS. GeoJot supports a complete laser interface.

5. Start GeoJot and tap the **Settings** icon (Figure 5)
6. Select the **Advanced** menu (Figure 6)
7. Turn On **Laser Connect** (Figure 7)
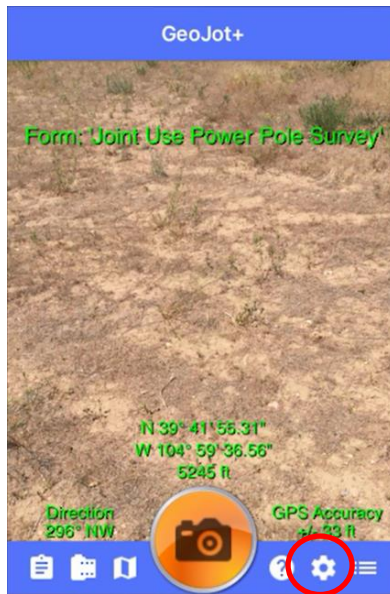8. Navigate to **Settings/Cloud** and enter your parameters (Figure 8) Tap the Back arrow
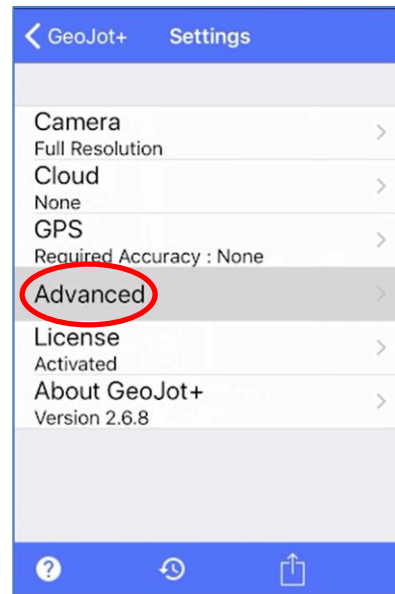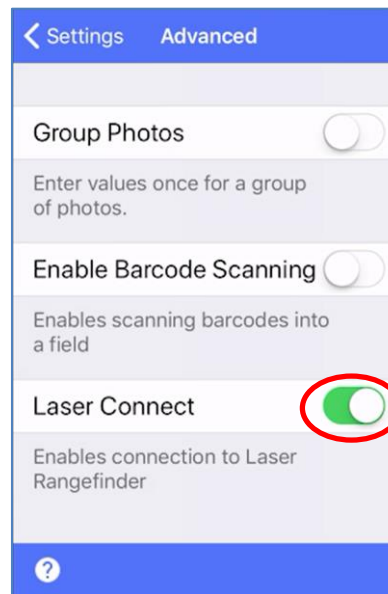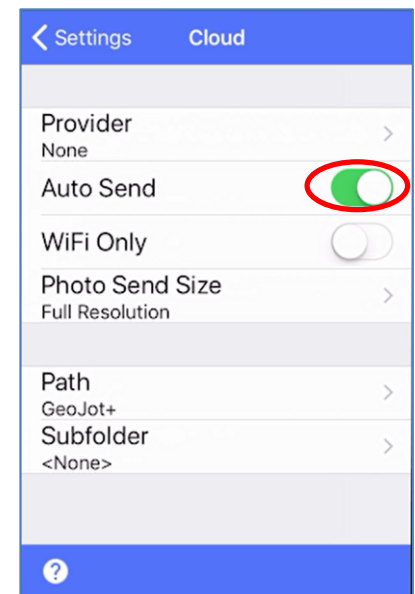
Figure 5

Figure 6

Figure 7

Figure 8

Configure GeoJot

Configuration continued…

9. From the Home screen, tap the **Forms** icon (Figure 9)
10. Select the Form to be used for this job and tap the back arrow (Figure 10)
11. To change the information that is displayed on the Home screen, tap the **Display Settings** icon (Figure 11)
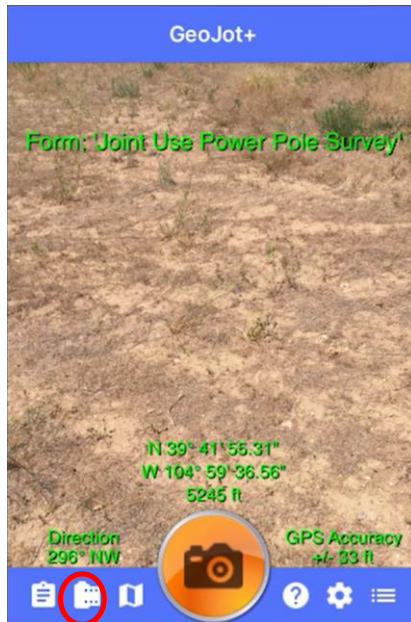12. Make your selections for Display Settings and tap **Done** (Figure 12)
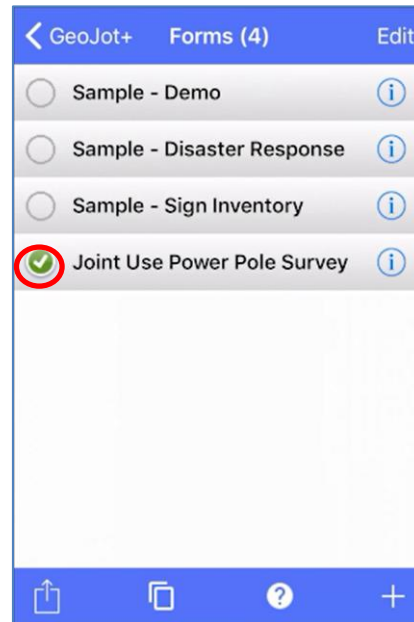

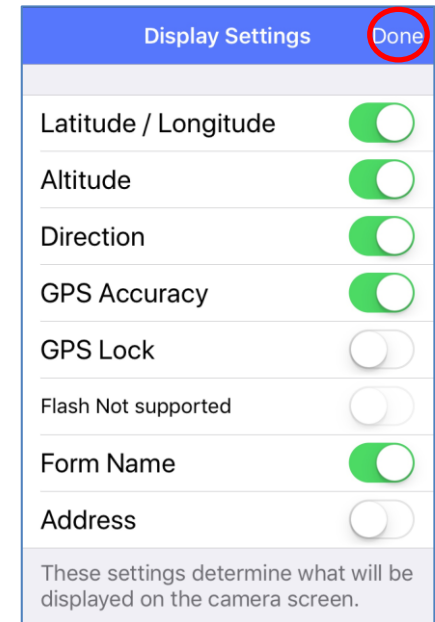Figure 9

Figure 10

Figure 11

Figure 12

LASER TECHNOLOGY INC

Locate the Pole and Record Attributes

A Laser Offset can be taken to position the pole and then the laser used to measure heights, lengths and other dimensions

13. Measure a **Horizontal Distance** to the pole and see the data come through (Figure 13)
14. Center the pole in the display and tap the **Camera** icon (Figure 14)
15. The Form will appear and tap the **Pole Height** cell (Figure 15)
16. Measure the height of the pole with the laser and the result will populate the cell (Figure 16), tap **Done**. Other Heights of Attachment can be measured easily by backing up one shot on the laser and re-measuring the top angle.
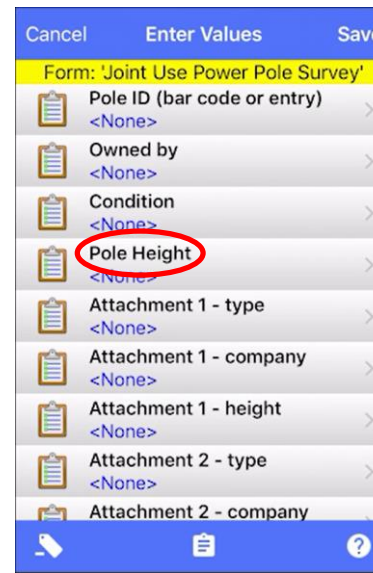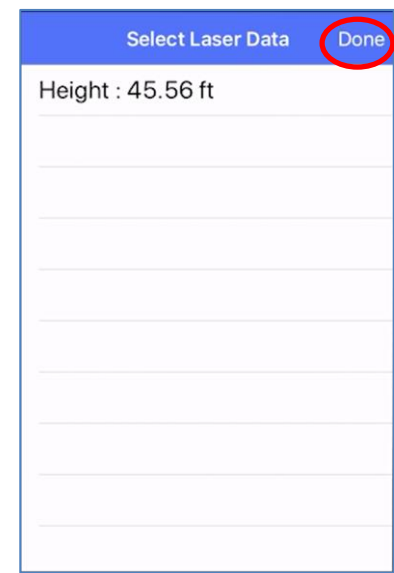
Figure 13

Figure 14

Figure 15

Figure 16

LASER TECHNOLOGY inc

Locate the Pole and Record Attributes

Recording attributes continued...

17. To record the Line Sag from this pole to the next, select it from the Form and put the laser into Missing Line Mode. Take Shot 1 to the attachment point, Shot 2 to the low point and the data will come through. The **Vert. Distance** value is the Sag (Figure 17)

18. When the Form is complete, tap **Save** to store the data for this pole (Figure 18)
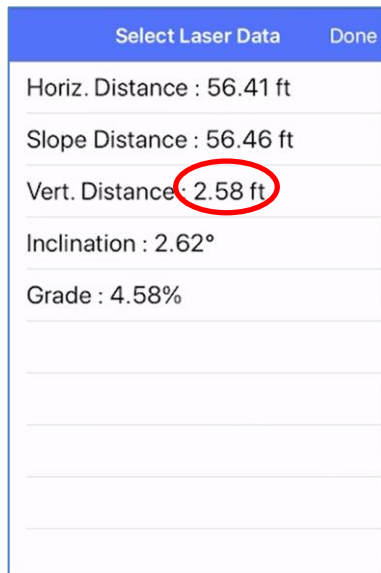

Figure 17

Figure 18

LA/ER TECHNOLOGY inc

QC and Export to Design Software

GeoJot's companion PC program, Core, will read in all the data from the field, organize it and allow report generation and file export.

19. Start a job in Core, choose the **Import Photos** tab and select which images to bring in (Figure 19), tap OK
20. On the Photo Editor tab, use the **Calibrate Measurement** icon to scale the image with the height measured in the field (Figure 20), tap OK
21. Use the **Measure Distance** function to accurately measure the separation between wires or any other dimension required (Figure 21)
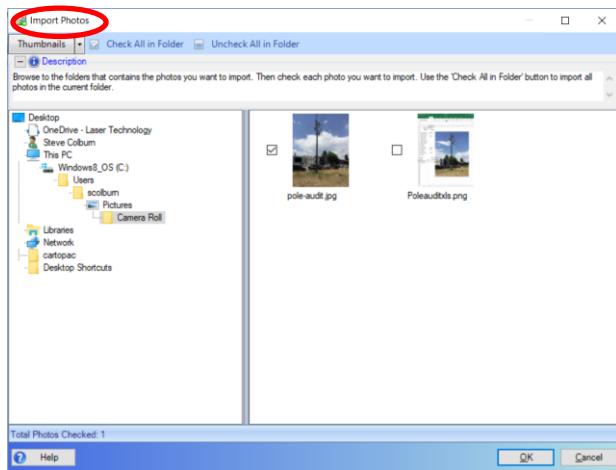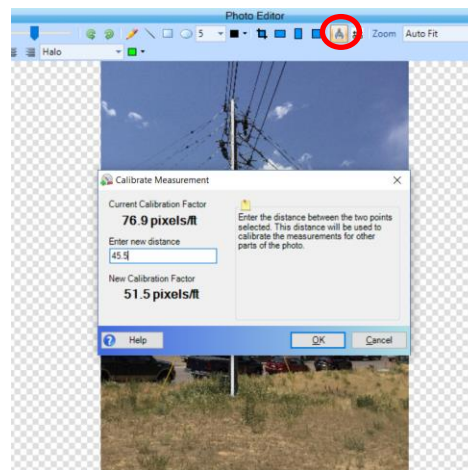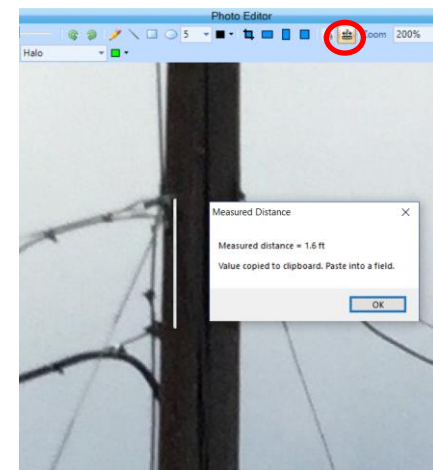

Figure 19

Figure 20

Figure 21

LASER TECHNOLOGY INC

QC and Export to Design Software

Core continued…

22. From the Data Editor tab, choose the **Map** view and confirm the location for the image is correct (Figure 22)

23. On the Select Output tab, choose which file formats to generate and tap the **Create Output** button (Figure 23). These files can then be imported into design software or a GIS
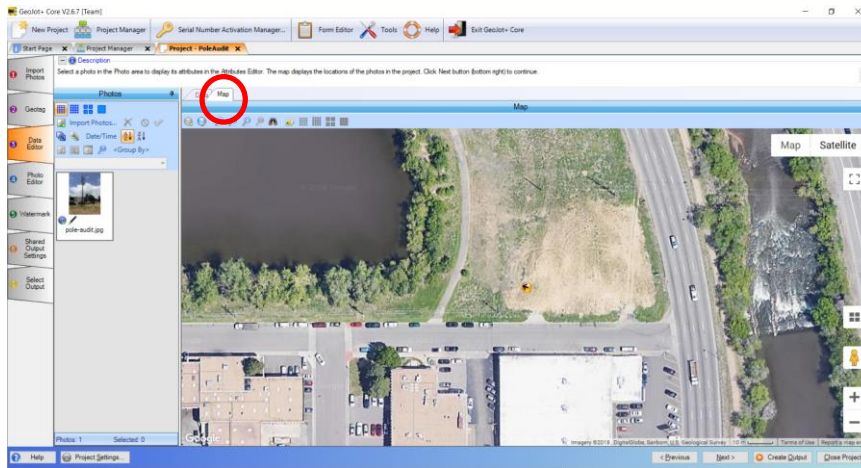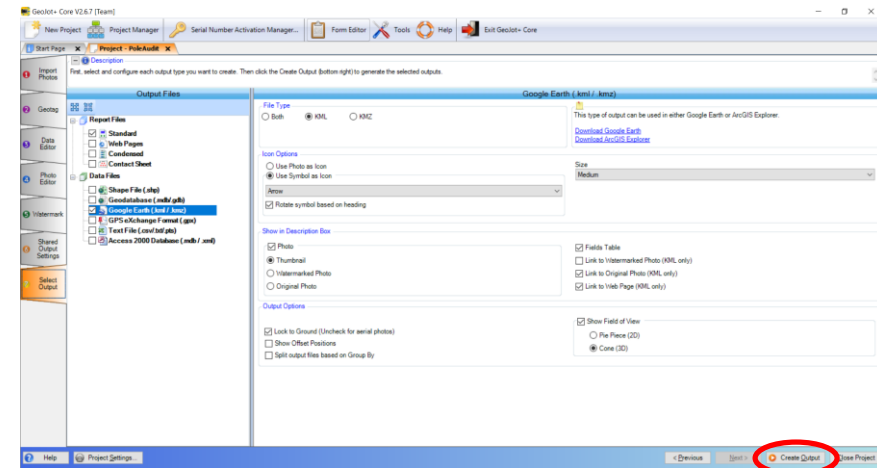

Figure 22

Figure 23

Product Resources

https://www.lasertech.com/TruPulse-Laser-Rangefinder.aspx

http://www.geospatialexperts.com/geojot/

Stay informed! Find out about
Laser Technology products, updates,
and training resources by keeping
track of us on FaceBook (/LaserTechnologyInc),
Twitter (@LaserTechPro) and YouTube (/user/LaserTechPro)

Contact Laser Technology, Inc.

Questions regarding the interface of our laser products to GeoJot for Pole Audit?

Please contact us at:

1.800.280.6113 or
1.303.649.1000

info@lasertech.com

Laser Technology, Inc.
6912 S. Quentin St.
Centennial, CO 80112

www.lasertech.com