

Northeast Diagramming Services

TruSpeed SX & TruAngle Set Up Guide

- 1: Pick the appropriate set up location and the operator.**
- 2: Put the entire system together.**
- 3: Loosen all legs and lift so that the site scope is comfortable. Then lock the legs**
- 4: Test the laser**

Power on the TrueSpeed SX

- 1) Click the MODE button until you see TT.
- 2) Aim and a distance object, fire and hold the button, and pan across the object. Be sure the tone changes when the site crosses the object.
- 3) Be sure to click the “mode” button until you are in the survey mode.

LEVELING THE ANGLE ENCODER.

Use the tribrack if you have one to level the system.

Power on the Truangle and Index by rotating 360 degrees until you see flashing zeros.

Power on Recon/PocketZone

Tap on START

Programs

PZ / PocketZone

Enter File Name and tap on OK

Tap on File and then Laser Device

Tap on Laser Device Window and select LTI Angle Encoder, Enter Instrument Settings if mapping in 3D (**Instrument and Target Heights!**).

*** You may need to select trupulse 360 with 1.5.7. Only if you receive communication errors.**

You are now ready to take the first shot (**Zero reference line**) and plot your instrument point and control point 2. The first shot is best use to establish the “0” point.(Top of page).

You will have to fire the laser **2 times** on the first shot to zero the Angle Encoder. Every point plotted after this, you will only fire the laser 1 time.

Next shoot a distance point that has been measured with a tape and **marked**.

Shoot reference points, then evidence, then scene.

Make sure the last point shot is the Zero (distance) shot. Then once done save a PZD, TXT, RAW.

In the event of a battery failure, aim back to the zero or “back-site” , Power back and reset the zero. You are now ready to go!