## LTI Laser Interface to Softree's RoadEng

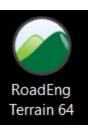
for Windows

Quick Reference Guide



BLATER TECHNOLOGY

#### Overview



Softree's RoadEng is a Windows application serving the civil engineering industry. In addition to a full interface to conventional surveying equipment and GPS, it also supports the LaserTech TruPulse instruments.

#### Type of Laser Methods available in RoadEng

- Distance/Azimuth
  - Measure Slope Distance, Inclination & Azimuth

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1. Using the Bluetooth Manager on your Windows device, connect your TruPulse laser and note the Outgoing COM port number assigned to it. In this case it is COM4

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2. Start the RoadEng program on your Windows device and from the Home tab, click on New Traverse

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3. Establish your Starting Coordinate by either entering XYZ values or set it from GPS (If connected, refer to manual for instructions)

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4. With the Traverse sheet open, click on the GPS/Laser tab along the top

#### 5. Click on the Connect Laser button

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6. Select the Com Port number for the laser from the list, ensure the parameters are set as shown and tap OK

7. A window will appear announcing success in connecting to the laser. Tap OK

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## Taking Shots with the Laser

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9. Aim at the Side target and Fire the Laser. A window will appear showing the point number and measurement data. Choose SS for the Shot Type, Input a Code for the point and tap Enter Shot.

BLATER TECHNOLOGY

## Taking Shots with the Laser

10. The data will appear in the appropriate cell on the Traverse Sheet

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11. To take a Fore shot, place the cursor in the Fore shot column

## Taking Shots with the Laser

12. Aim at the Fore target and Fire the Laser. A window will appear showing the point number and measurement data. Choose ForeShot for the Shot Type, input a Code for the point and tap Enter Shot.

\*Note: if using a TruPulse 200 model, the Azimuth can be measured and input manually

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13. The data will appear in the appropriate cell on the Traverse Sheet. Continue in this manner to collect the survey data. Tap Close in the Laser toolbar at the top of the screen to close connection with the laser.

9

## Contact Laser Technology, Inc.

# Questions regarding the interface to RoadEng or our laser products?

#### Please contact us at:

1.800.280.6113 or 1.303.649.1000

#### info@lasertech.com

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