

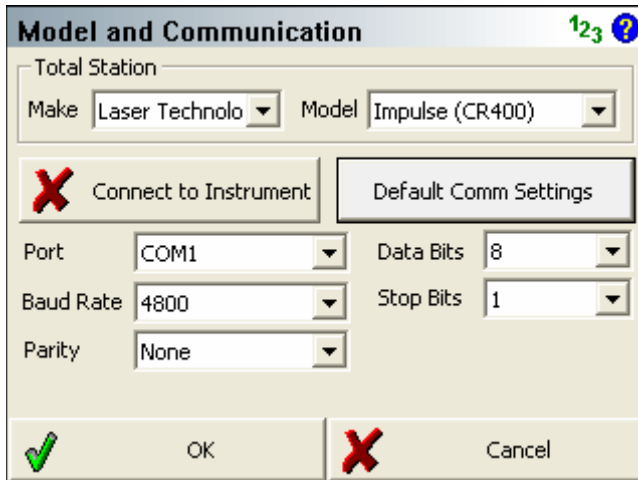
## Laser Technology (Angle Encoder (SET) connection)

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Alan Goertz sent us his LTI unit so we could make a driver for it.

Tested with beta build of FieldGenius 2007 3.0.2. Currently the instrument selection is in Total Station settings.



Data collector is connected to the Impulse Laser.

We use the Impulse (CR400) command set to control the laser and must be set to **4800 baud**.

In this mode, there will be no instrument toolbar. It operates exactly the same as with the Leica Disto.



Commands that support distances from the Impulse are the Traverse/Intersect command, Trilateration, and baseline offset.

## Traverse / Intersect

Simply double tap the distance field, and select Impulse Observation.

Then press the measure button on the Impulse and it will be automatically sent back to FG or EVR.

## Trilateration

In the Trilateration function, simply add a new point and press the Measure From Pnt1 or Pnt 2.

New Pnt	Pnt 1 Dist	Pnt 2 Dist	Side	Save
3	5.89'	6.96'	Right	No
4			Left	No

In my example I pressed **Measure From Pnt 1** which brought up the next screen:

Measure Distance

123 ?

☒ Use Horizontal Distance

0.00'

OK

Cancel

After you press the measure button on the LTI unit, it will send the measured distance back to the FG or EVR automatically.

Trilateration

123 ?

Static

Point 1

1

Point 2

2

Add Point

Switch Side

Save Point

Map View

New Pnt	Pnt 1 Dist	Pnt 2 Dist	Side	Save
3	5.89'	6.96'	Right	No
4	6.02'		Left	No

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Measure From Pnt1

Measure From Pnt2

Close

In my example the Impulse laser measured 6.02'.

**Note: The Impulse must be set to HD (horizontal distances)**