



MAPSMART®

FOR ANDROID

QUICK START GUIDE

The quick reference guide instructions are sectioned by specific LTI lasers as used with a ruggedized Android tablet (shown below).



For other Android tablets, set up may be different. Refer to your device's manual for more information on connecting to Wifi, email accounts, and Bluetooth® enabled devices.



TruPulse® 360°/B survey laser (yellow);
TruPulse® 360° R survey laser (black)



TruPulse® 200X survey laser (red)












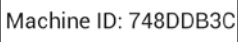

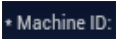
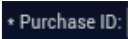



TruPoint™ 300 survey laser (red)



Tablet running Android 4.1 or later

[1st Step for All] WLAN, MapSmart App, Licensing:



- [1] Turn on tablet, tap  Settings, tap  Display to set SLEEP to NEVER.
- [2] Tap  WLAN to select a wifi network and complete process.
- [3] Tap  Settings then tap  Add account to add a Google account or get assistance from your IT department to set up a dedicated email account for your reports.
- [4] Tap  , then Search for: “LaserSoft MapSmart”  and INSTALL the app.
- [5] From the main screen, tap  , then tap  to open app.
- [6] Tap and hold  Machine ID: 748DDB3C to copy or notate Machine ID on paper.
- [7] Tap  [License Manager website](#) link, then log in with your email and temporary password sent from LTI.
- [8] Paste or type the Machine ID into  Machine ID: .
- [9] From the Purchases Table, copy and paste or type in your purchase ID into  Purchase ID: .
- [10] Tap  Submit , then copy or notate the License Key. [11] Tap  , then paste or type in the License Key and then tap  START . [12] Charge tablet. [13] Go to [2nd Step] depending upon your laser set up: TruPulse 360B/R, TruPulse 200X + TruAngle, or TruPoint 300.

[2nd Step for TruPulse 360B/R] Toggle On *Bluetooth* Link:



[1] Press  to power the unit on. [2] Long press  until (Unit 5).



[3] Press  until (bt). [4] Press  then press  until (bt on).



[5] Press  to confirm.

[3rd Step] Change Units of Measure to Feet (if necessary):

[1] Long press  until (Unit 5).

[2] Press  then press  until (**FEET**). [3] Press , then press  again to accept feet/degrees and units of measurement.

[4th Step] Connect TruPulse 360B/R with Android Device:

[1] Tap  Settings, then tap  Bluetooth. [2] Turn on tablet *Bluetooth* link.


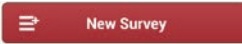

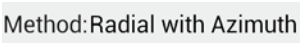
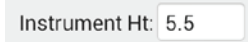







[3] Tap the laser model/serial number under AVAILABLE DEVICES.

[4] Enter PIN number: 1111 or accept any passkey. [5] Exit to main screen.









[Final Step for TruPulse 360B/R] Set Up & Get a Shot:

*For standard survey with no GPS or Resection options selected.








- [1] Power on all components.
- [2] Perform the laser compass calibration routine.
- [3] Tap , then tap .
- [4] Enter file name, then tap  and select equipment.
- [5] Tap , then select units that match the laser.
- [6] Measure from center of laser to ground and enter value .
- [7] Measure from center of prism to ground and enter value , then tap . Leave value 0.00 if not using a prism.
- [8] Leave all origin values at zero (unless known equipment position) and tap .
- [9] Wait for  to become  at the top of the MapSmart screen.
- [10] Aim and press  on the laser and add the first data point.
- [11] Enter a description and tap .
- [12] Finish the survey.

[2nd Step for TruPulse 200X + TruAngle] Toggle On *Bluetooth* link:









[1] Press  to power the unit on. [2] Press  until (). [3] Press  until (). [4] Press  to accept.



[3rd Step] Change Units of Measure to Feet (if necessary):

[1] Press  until (). [2] Press  to scroll through unit options ( or (). [3] Press  to accept the units of measurement ().

[4th Step] Toggle On Electronic Filter (if using a reflective target):


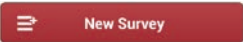
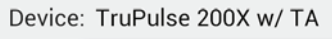
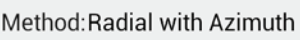
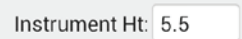












[1] Press  until (). [2] Press  to choose (). [3] Press  to accept selection. [4] Apply the mechanical filter  to the front lens.

[5th Step] Sync Tablet's *Bluetooth* link with TruPulse 200X:

[1] Tap  Settings, then tap  Bluetooth. [2] Turn on tablet *Bluetooth* link. [3] Tap the laser model/serial number under AVAILABLE DEVICES. [4] Enter the PIN number: 1234 or accept any passkey. [5] Exit to main screen.

[Final Step for TruPulse 200X] Set Up & Get a Shot:

*For standard survey with no GPS or Resection options selected.

- [1] Power on all components. [2] Tap , then tap .
- [3] Enter file name, then tap  and select equipment.
- [4] Tap , then select Units that match the laser.
- [5] Measure from center of laser to ground and enter value .
- [6] Measure from center of prism to ground and enter value , then tap . Leave value 0.00 if not using a prism.
- [7] Leave all origin values at zero and tap .
- [8] On TruAngle, rotate 360 degrees until  becomes flashing .
- [9] Aim laser at desired reference point (or prism), then tighten the TruAngle brake  and press  on laser and  stops flashing.
- [10] Press  again to add the reference data point to your map. [11] Enter “REF” for the description and tap . Notice that  turns into  at the top of the MapSmart screen. Tap to refresh connection if necessary [12] Finish the survey.

[2nd Step for TruPoint 300] Activate WLAN:




[1] Press  to power the unit on. [2] Press  , then tap .



[3] Tap  twice, then activate WLAN connectivity  . [4] Press  to accept.

[3rd Step] Change Units of Measure to Feet (if necessary):

[1] Press  then tap  . [2] Tap  twice, then change unit of measurement.

[3] Short press  to return to the main screen.

[4th Step] Connect TruPoint 300 to Tablet:

[1] Tap  Settings , then tap .

[2] Tap the laser model/serial number listed in available networks.

[3] Laser will display as connected.



[Final Step for TruPoint 300]Set Up & Get A Shot:

*For standard survey with no GPS or Resection options selected.

[1] Power ON all components. [2] Check tablet settings to verify TruPoint is connected.



[3] Tap , then tap .

[4] Enter file name, then tap  and select equipment.




[5] Enter Units that match the laser.

[6] Measure from center of laser to ground and enter value .

[7] If using a non-reflective target, measure center of target to ground and enter value

, then tap . If not using a target, leave value at 0.00

[8] Tap , wait until the icon becomes . [9] On TruPoint, follow leveling directions.

[10] On tablet, leave all origin values at zero and tap . [11] Aim laser at desired reference point (target), then tap  to zero laser, and tap .

[12] Tap  to add the reference data point to your map.

[13] Enter "REF" for the description and tap . [14] Finish the survey.



Access MapSmart Help:

[1] Tap  and choose Help.

Get help with:

- Laser/tablet *Bluetooth* connection or WLAN connection
 - *Low voltage on tablet or laser can hinder wireless connections.
 - **Pair laser to only one device at a time.
- Available mapping methods
- Corrections to data point heights, notes, and orientation
- Moving control point and equipment to a new position
- Converting inches to decimal feet for height entries
- Sending program diagnostics and/or survey *.MS4D file to LTI technical support (while on WiFi only).

Radial with Angle Mapping Package Assembly for TruPoint 300

TruPoint™ 300
#7006880



Laser Aiming Assist
#3255094



Claw Mounting Base
#3255097



CT7 Ruggedized
Android Tablet
#3255095

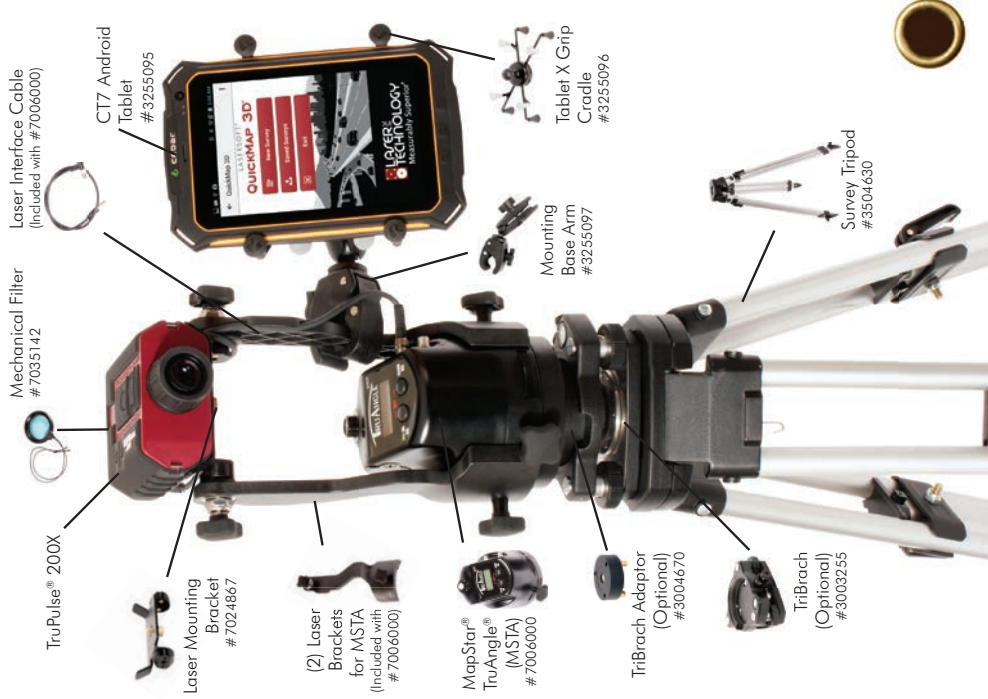


Tripod
#3504683



X Grip for 7" Tablets
#3255096

Radial with Angle Mapping Package Assembly for TP200X



Radial with Angle Mapping Package Assembly for TP360R



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(Excluding Holidays)



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