QuickMap 3D®

for Smart Devices

Quick Start Guide

LTI Part #0144930
This quick reference guide is divided up by specific LTI lasers used with the tablet.

- LTI 20/20 TruSpeed® Sxb dual speed and survey laser blue in color
- TruPulse® 200X survey laser red in color
- TruPoint™ 300 survey laser red in color
- Tablet running Android 4.1 or later
[1st Step for Android] Add WLAN, Install QM3D, Get Licensed:

[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.
[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:.
[1st Step for iOS] Add WLAN, Install QM3D, Get Licensed:

[1] Turn on tablet, tap  to set Auto-Lock to NEVER.
[2] Tap  to select a wifi network and complete process.
[3] Tap  then tap  to add an email account or get assistance from your IT department to set up a dedicated email account for your reports. Skip this step if your device already has an email account.
[2nd Step for TruSpeed Sxb] Toggle On Bluetooth Link:

[1] Press \textit{MODE} until ( \textit{on \text{\text{bl}}} MPH \text{\text{f}} ). [2] Press \textit{ } until ( \textit{on \text{\text{bl}}} MPH \text{\text{f}} ), then press \textit{ } to confirm selection ( \textit{on \text{\text{bl}}} MPH \text{\text{f}} ).

[3rd Step] Toggle On Electronic Filter and Survey Mode:

[4] Press \textit{MODE} to toggle on Survey Mode with electronic filter on ( \textit{on \text{\text{up}}} \text{\text{f}} \text{\text{err}} ).
[5] Apply the mechanical filter \textbf{to the front lens on the TruSpeed Sxb.}

[4th Step] Sync Tablet’s Bluetooth link with TruSpeed Sxb:

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

[1] Press \(\text{Fire}^{(\text{on})}\) to power the unit on. [2] Press \(\text{Mode}^{(\text{bt off})}\) until \(\text{(bt on)}\).


[3rd Step] Change Units of Measure to Feet:

[1] Press \(\text{Mode}^{(\text{un it m})}\) until \(\text{(un it m)}\). [2] Press \(\text{Mode}^{(\text{un it m})}\) to scroll through unit options \(\text{(un it m)}\), \(\text{(un it f)}\). [3] Press \(\text{Fire}^{(\text{on})}\) to accept the units of measurement \(\text{(un it m)}\).

[4th Step] Toggle On Electronic Filter:

[1] Press \(\text{Mode}^{(\text{un it m})}\) until \(\text{(file setup})\). [2] Press \(\text{Mode}^{(\text{un it m})}\) to choose \(\text{(file on)}\).


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


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

[2\textsuperscript{nd} Step for TruPoint 300] Activate WLAN:

[1] Press \textcolor{red}{\textbullet} to power the unit on. [2] Press \textcolor{blue}{\textbullet}, then tap \textcolor{red}{\textbullet}.


[3\textsuperscript{rd} Step] Change Units of Measure to Feet:

[1] Press \textcolor{blue}{\textbullet} then tap \textcolor{red}{\textbullet}. [2] Tap \textcolor{blue}{\textbullet} twice, then change unit of measurement.

[3] Short press \textcolor{red}{\textbullet} to return to the main screen.

[4\textsuperscript{th} Step] Connect TruPoint 300 to Tablet:

Power ON all components. Check tablet settings to verify TruPoint is connected.

Tap , then tap . Enter file name, then tap and select equipment. Enter Units that match the laser. Measure from center of laser to ground and enter value . For 3D maps measure center of target to ground and enter value , then tap . Tap , wait for the icon becomes . On TruPoint, follow leveling directions. On tablet, leave all origin values at zero and tap . Aim laser at desired reference point (target), then tap to zero laser, and tap . Tap to add the reference data point to your map. Enter “REF” for the description and tap . Finish mapping the rest of the scene.
[Final Step for TruPulse 200X and TruSpeed Sxb]

Setting Up For Your First Shot:

[1] Power ON all components. [2] Tap ![image](image.png), then tap ![image](image.png).

[3] Enter file name, then tap ![image](image.png) and select equipment.

[4] Tap ![image](image.png), then enter Units that match the laser. [5] Measure from center of laser to ground and enter value ![image](image.png). [6] Measure center of prism to ground and enter value ![image](image.png), then tap ![image](image.png). [7] Leave all origin values at zero and tap ![image](image.png).

[8] On TruAngle, rotate 360 degrees until ![image](image.png) becomes flashing 000°.

[9] Aim laser at desired reference point (retro reflector), then tighten TruAngle brake and press ![image](image.png) on laser and 000° stops flashing. [10] Press ![image](image.png) again to add the reference data point to your map. [11] Enter “REF” for the description and tap ![image](image.png). Notice that ![image](image.png) turns into ![image](image.png) at the top of QM3D screen. Tap ![image](image.png) to refresh connection if necessary. [12] Finish mapping the rest of the scene.
Radial with Angle Mapping Package Assembly for TruPoint 300

- **TruPoint™ 300**
  #7006880

- **Laser Aiming Assist**
  #3255094

- **Claw Mounting Base**
  #3255097

- **Tripod**
  #3504683

- **CT7 Ruggedized Android Tablet**
  #3255095

- **X Grip for 7” Tablets**
  #3255096
Radial with Angle Mapping
Package Assembly for TP200X and TSSxb

TruPulse® 200X
(Laser may be substituted for TruSpeed® Sxb)

MapStar®
TruAngle®
(MSTA)
#7006000

(2) Laser Brackets for MSTA
(Included with #7006000)

TriBrach Adaptor
(Optional)
#3004670

TriBrach
(Optional)
#3003255

Laser Mounting Bracket
#7024867

Mechanical Filter
#7035142

Laser Interface Cable
(Included with #7006000)

CT7 Android Tablet
#3255095

Tablet X Grip Cradle
#3255096

Survey Tripod
#3504630

Mechanical Filter
#7035142

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Tablet X Grip Cradle
#3255096

Survey Tripod
#3504630

Laser Interface Cable
(Included with #7006000)
Access QuickMap Help:


Get help with:

- Laser/tablet Bluetooth 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 QM3D file to LTI technical support (while on WiFi only)