QML800
QuickMark Layout
Quick Start Instructions

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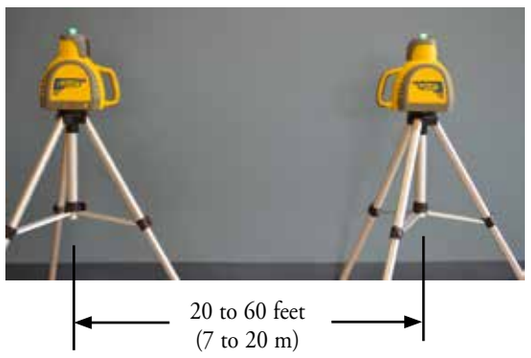
Controller

Google Nexus 7
Bobj Rugged Case

AC Charger Adapter and USB 2.0 Data Sync Connect Transfer Charge Cable

Set Up

1. Set up both laser transmitters 20 to 60 feet (7 to 20 m) apart
2. Turn on the lasers before launching the QML800 application on the controller. One laser will have a Green LED, the other will have a Blue LED



3. Turn on Controller
Hold for 3 seconds
(Same to turn off Controller

4. Swipe lock symbol to unlock

5. Full User Guides and Videos

6. Launch QML Application

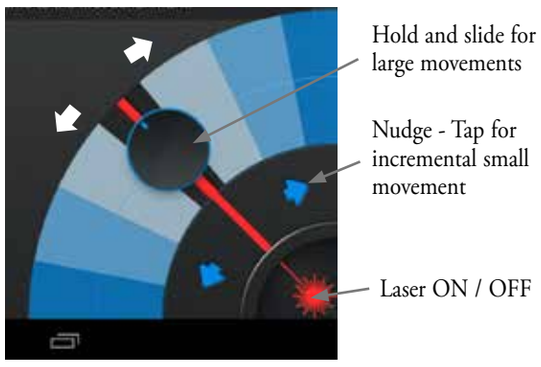
7. Start new job or open an existing job

8. Select Job from List. Tap "open" job

9. Start Axis Alignment (units find each other)
Acknowledge when one laser passes by the other laser
Tap "reflection" if not sure

10. When Axis Alignment is complete, continue to locate established benchmarks.

10. Laser Control



11. Drive both lasers to Benchmark 1

12. Enter Benchmark 1 coordinates
- Enter coordinates manually or select existing job point
- Tap on x and y coordinates to bring up keypad
- Save coordinates

13. Drive both lasers to Benchmark 2

14. Enter Benchmark 2 coordinates
- Enter coordinates manually or select existing job point
- Tap on x and y coordinates to bring up keypad
- Save coordinates

15. Recommended: Verify set up by following the steps to measure the distance between the 2 points, or tap "continue" to skip this step.

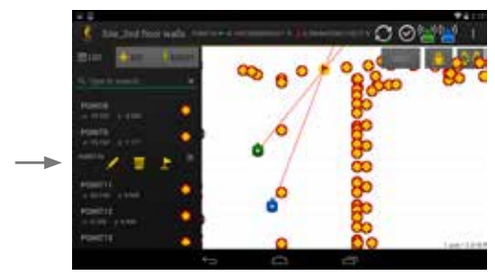
Controller Operation

1. Job Name
2. Restart set up process
3. Quick recheck laser alignment
4. Green Laser (wireless connection and battery level
5. Blue Laser (wireless connection and battery level
6. LIST - brings up list of all points
7. ADD - Add a new point or arc
8. SURVEY - find coordinates of a point
9. Flash lasers on and off alternatively
10. Expand screen
11. Exit - go back
12. Home screen
13. Show other open programs

Open LIST to see point list

Tap on point to activate options

Tap icon to Edit, Delete or Stake Out (drive lasers to) point



Points turn into flags once staked

Add a New Point

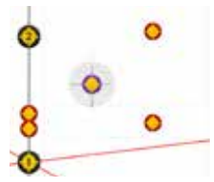
Add a point, arc or circle.

Tap on "point" to manually add a point

When point appears, it can be dragged with finger to approximate position. Coordinates will update.

Enter exact coordinates of the added point and Save point

The added point remains purple color

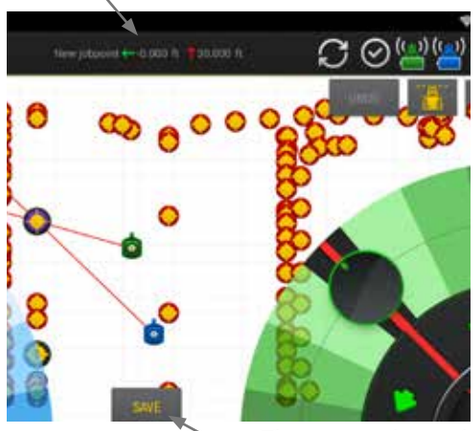


Survey Mode

Finds coordinates of a point on the jobsite

Use the controls to drive lasers to a point on the jobsite. Position "X" at the point of interest

Note point coordinates

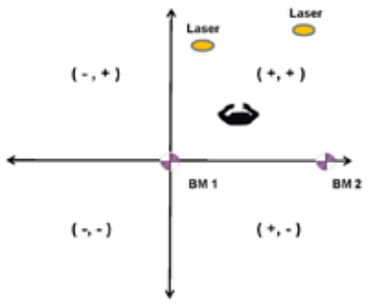


The point can be saved. There will be a prompt for a point name.

Please refer to the full user guide for additional information.

Jobsite Laser Placement

QuickMark works with positive and negative numbers, depending upon laser and benchmark locations

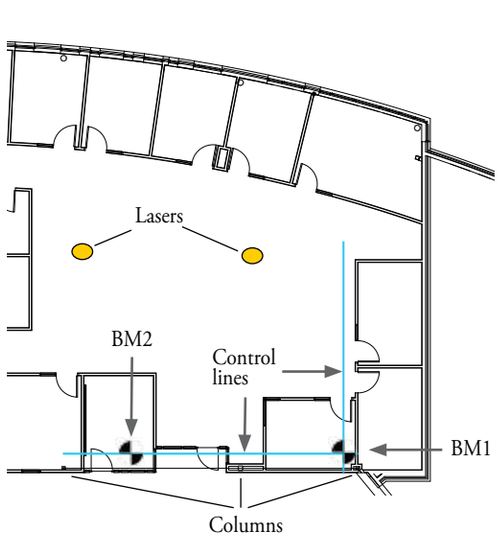


Behind left shoulder rule: If BM 1 is behind left shoulder with the lasers in front, generally you will work with positive coordinates (+,+)

Benchmarks

Place 2 QCAD control lines on the jobsite (control lines are typically placed 2 ft from the column line.

Pick 2 Benchmarks selected in the QCAD file



Points Creation

There are 3 options for Point Creation

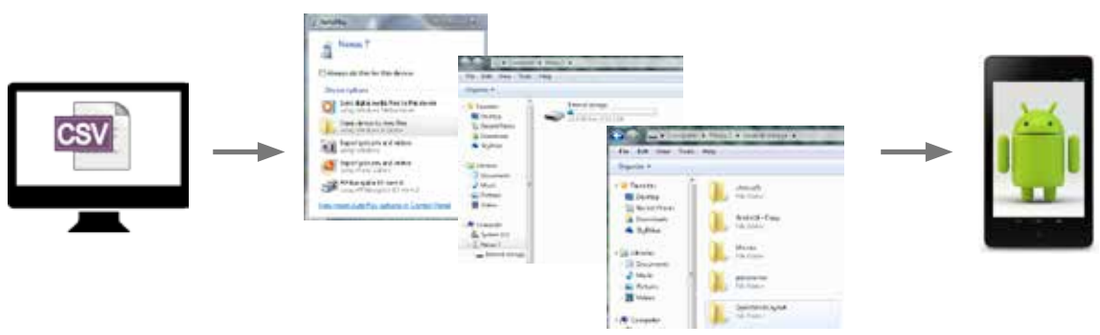
A. Manually enter new points on controller. (See Page 17)
B. Create a point file from a CAD drawings and export to a CSV file (comma separated value)
C. Create and Excel spreadsheet file and export to a CSV file.
   1. Have dimensional floor plan
   2. Open Excel spreadsheet and ensure header line is exactly as shown

Excel spreadsheet

NAME	E(x)	N(y)	z	DESC
BM1	0	0	0	BM1
BM2	0	24.42		BM2
POINT1	0	21	0	POINT1
POINT2	133.1012625	325.7509672	0	POINT2
POINT3	23.85126252	325.7509672	0	POINT3
POINT4	23.85126256	218.2538139	0	POINT4
POINT5	23.85126257	192.2538139	0	POINT5
POINT6	23.85126258	156.2538139	0	POINT6
POINT7	23.85126258	150.2509672	0	POINT7
POINT8	133.1012626	150.2509672	0	POINT8

Points Creation

3. Enter point name and x & y coordinates for all desired points
4. When complete, save and export to a CSV file



Points Creation

5. Copy the CSV file from the computer to the controller

Points Creation

6. The file will be listed in the "Open Job" folder

QML Application Download

The QML application is approved for 7 inch Android devices. The application may not work well on other Android devices. Use of other Android devices is not supported.

Warranty

Trimble warrants the QML800 to be free of defects in material and workmanship for a period of two years. Trimble or its authorized Dealer or service center will repair or replace, at its option, any defective part, or the entire product, for which notice has been given during the warranty period. This warranty period is in effect from the date the system is delivered by Trimble or its authorized Dealer to the purchaser, or is put into service by a Dealer as a demonstrator or rental component.

Customers should send products to the nearest Authorized Factory, Dealer, or Service Center for warranty repairs, freight prepaid. In countries with Trimble Service Subsidiary Centers, the repaired products will be returned to the customer, freight prepaid.

Any evidence of negligent, abnormal use, accident, or any attempt to repair equipment by other than factory-authorized personnel Trimble certified or recommended parts, automatically voids the warranty.

Special precautions have been taken to ensure the calibration of the laser; however, calibration is not covered by this warranty. Maintenance of the calibration is the responsibility of the user.

The foregoing states the entire liability of Trimble regarding the purchase and use of its equipment. Trimble will not be held responsible for any consequential loss or damage of any kind.

This warranty is in lieu of all other warranties, except as set forth above, including an implied warranty merchantability of fitness for a particular purpose, is hereby disclaimed. This warranty is in lieu of all other warranties, expressed or implied.

NOTE: Refer to the Nexus 7 user guide for warranty information.

Laser Safety

Use of this product by people other than those trained on this product may result in exposure to hazardous laser light.

• Do not remove warning labels from the unit.

• The QML800 are Class 2 (635 nm) lasers.

• Never look into the laser beam or direct it to the eyes of other people.

• Always operate the unit in a way that prevents the beam from getting into people's eyes.

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