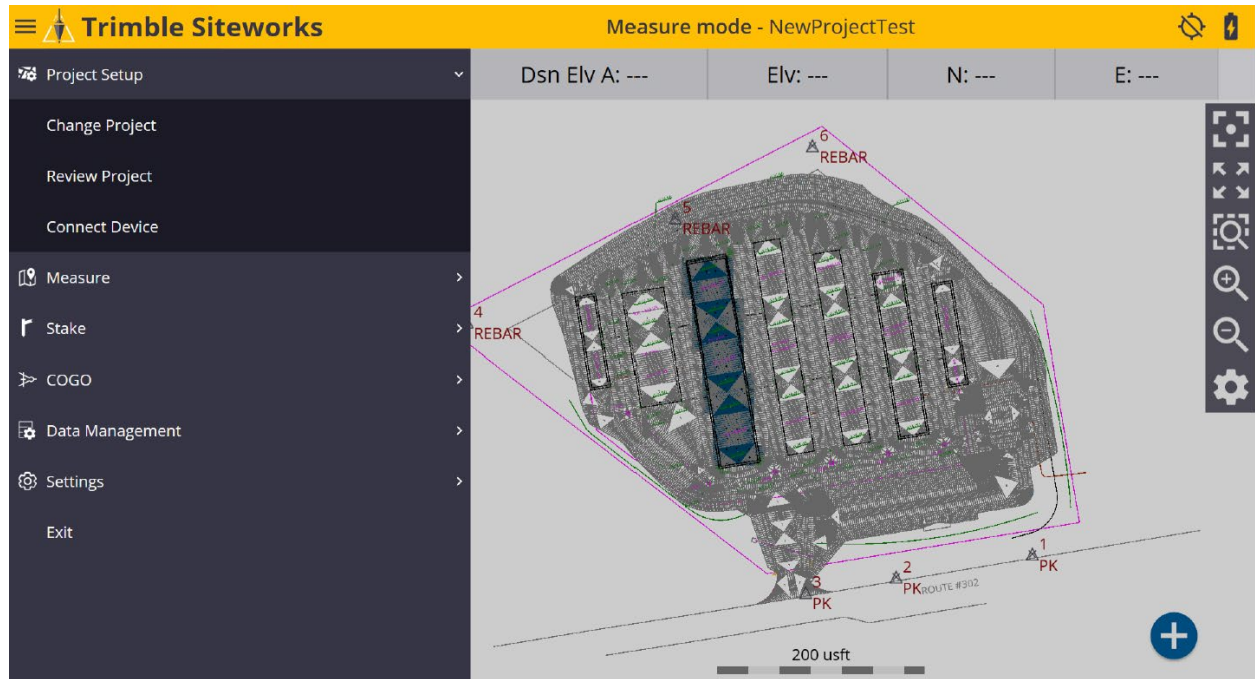
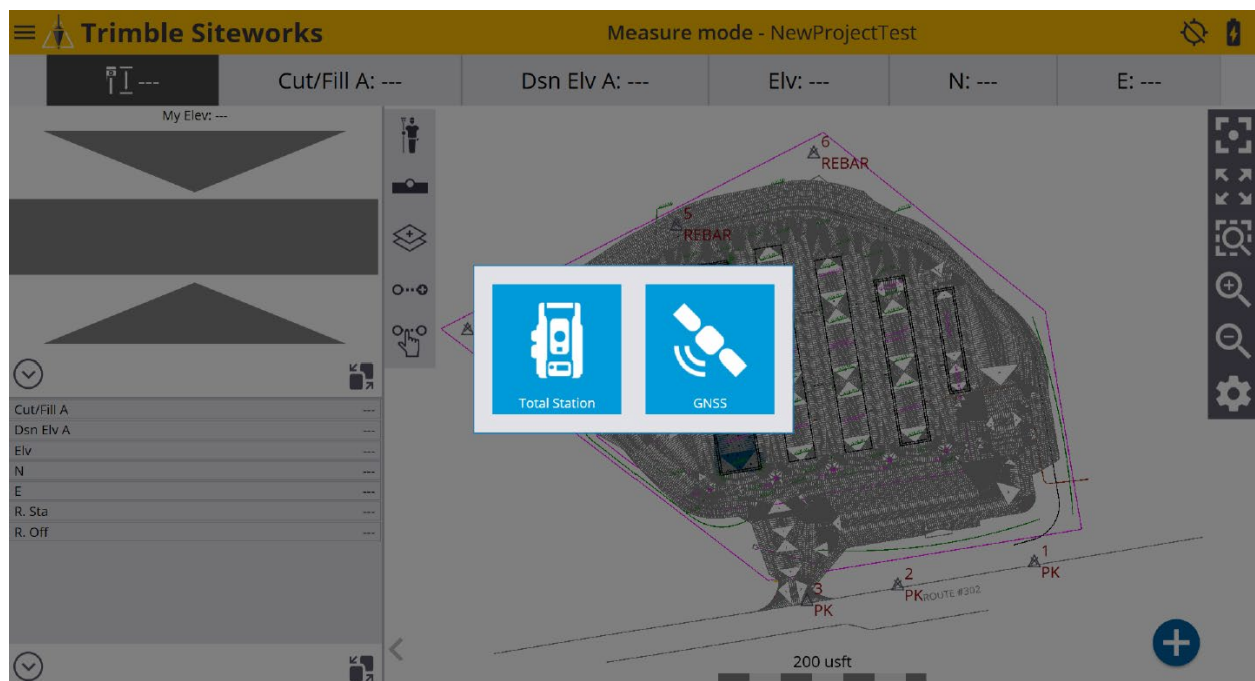


Start Base 900Mhz before Site Calibration:

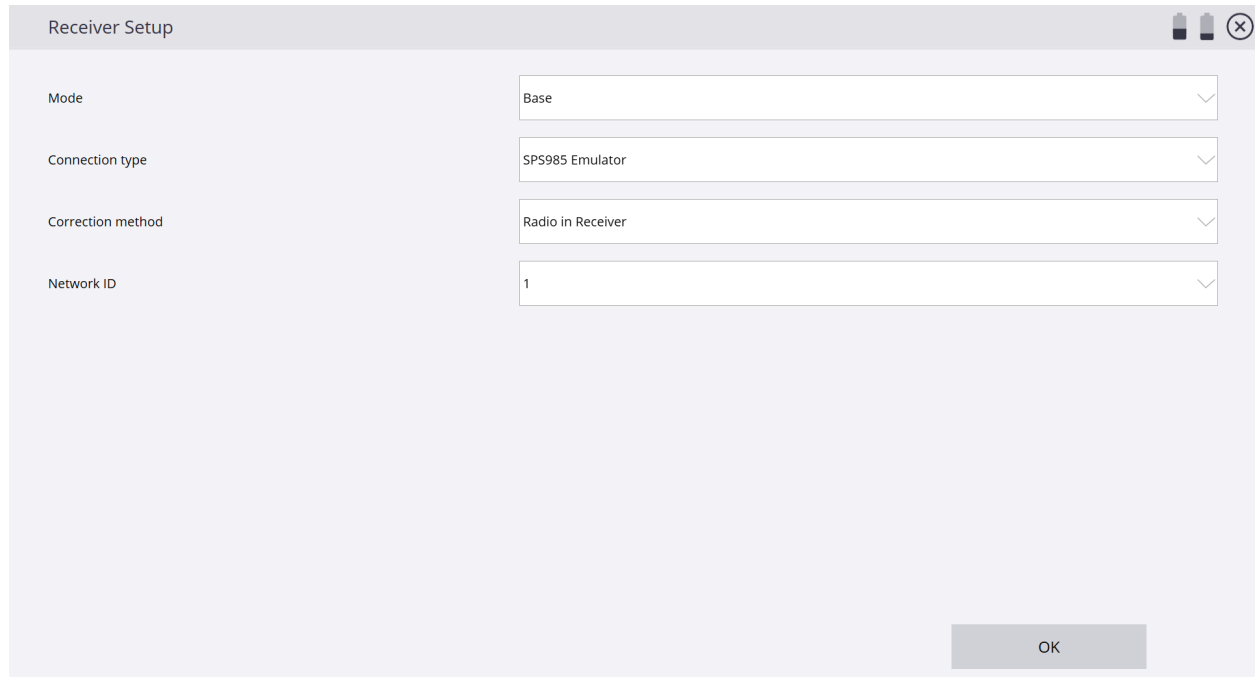
*On the Siteworks upper left main screen tap the **3-Bar Hamburger Icon** and select **Connect Device**.



*In **Connect Device** tap on the blue **GNSS Icon** to enter the **Receiver Setup** screen.



*On the **Receiver Setup** screen select **Base** from the drop-down list in the **Mode** window. Configure the **Connection type** (*Bluetooth, Cable or Emulator*), **Correction method** (*Radio in Receiver, Wi-Fi, IBSS, External Radio, 2.4Ghz Georadio*) and **Network ID** (*Radio Channel*) in their corresponding windows.

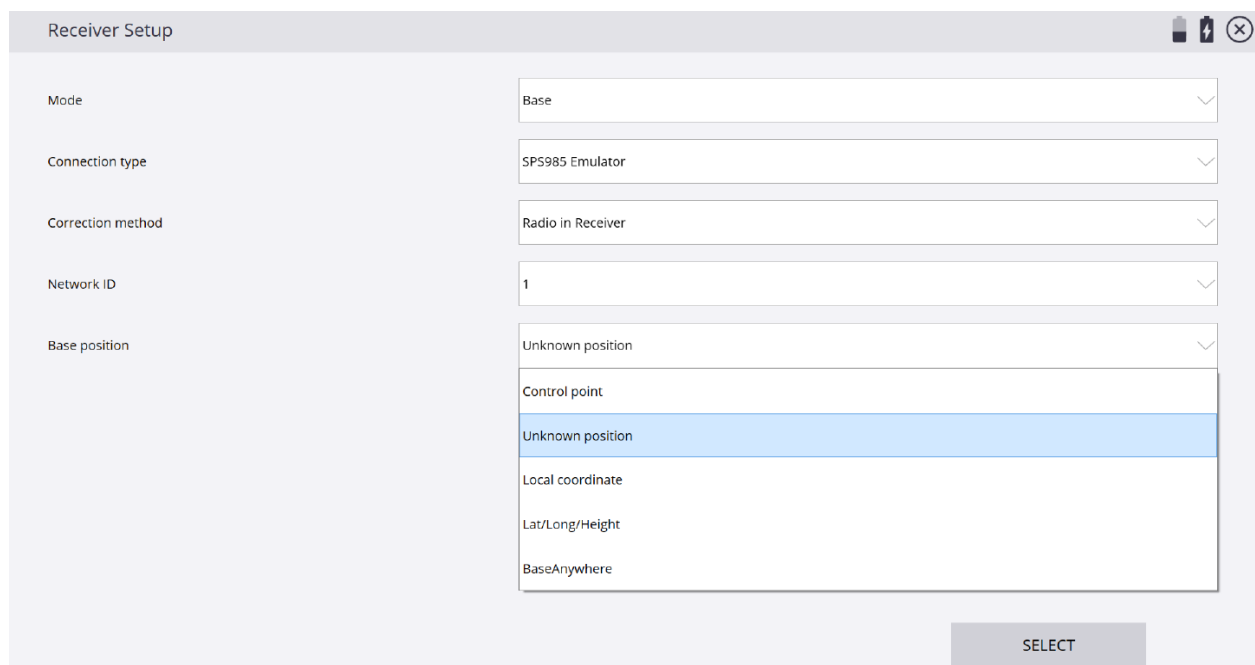


The screenshot shows the 'Receiver Setup' window with the following settings:

Field	Value
Mode	Base
Connection type	SPS985 Emulator
Correction method	Radio in Receiver
Network ID	1

An 'OK' button is located at the bottom right of the window.

*From the **Base position** window drop-down list select **Unknown position** to determine the base receiver setup location, tap **SELECT**.

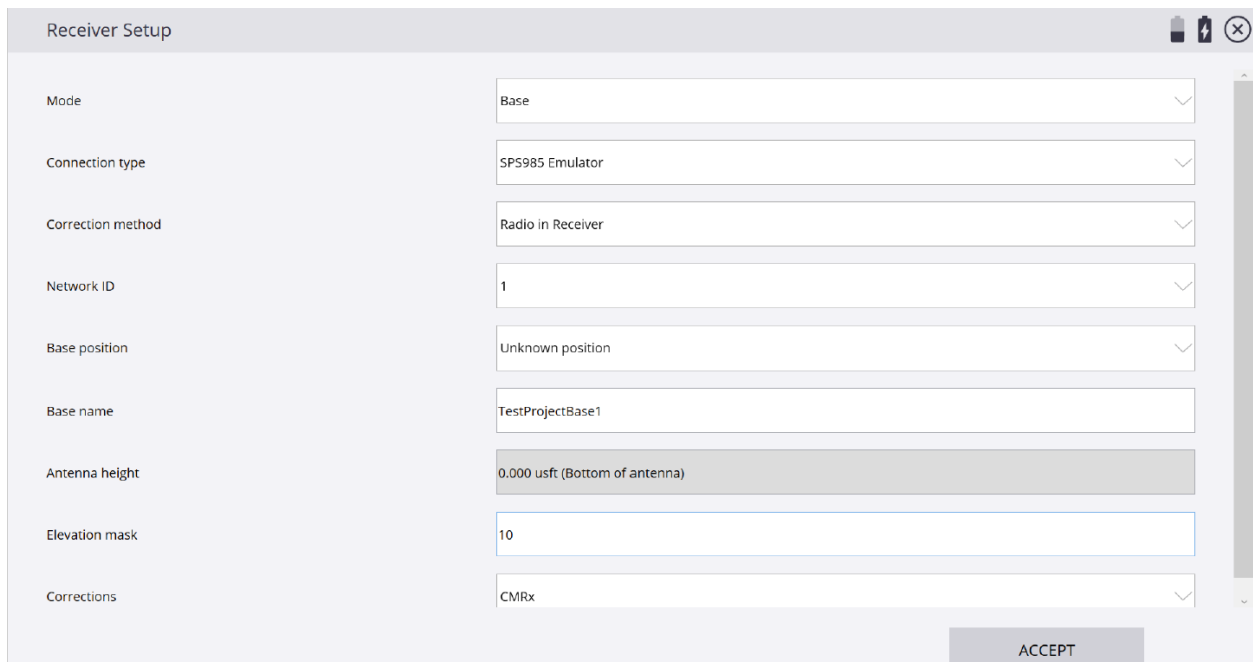


The screenshot shows the 'Receiver Setup' window with the 'Base position' dropdown menu open. The settings are the same as in the previous image, with 'Unknown position' selected in the dropdown list.

Field	Value
Mode	Base
Connection type	SPS985 Emulator
Correction method	Radio in Receiver
Network ID	1
Base position	Unknown position

The dropdown menu for 'Base position' contains the following options: Unknown position, Control point, Local coordinate, Lat/Long/Height, and BaseAnywhere. A 'SELECT' button is located at the bottom right of the window.

*Type the Base point name in the **Base name** window and tap in the **Antenna height** window to input an Base antenna height.

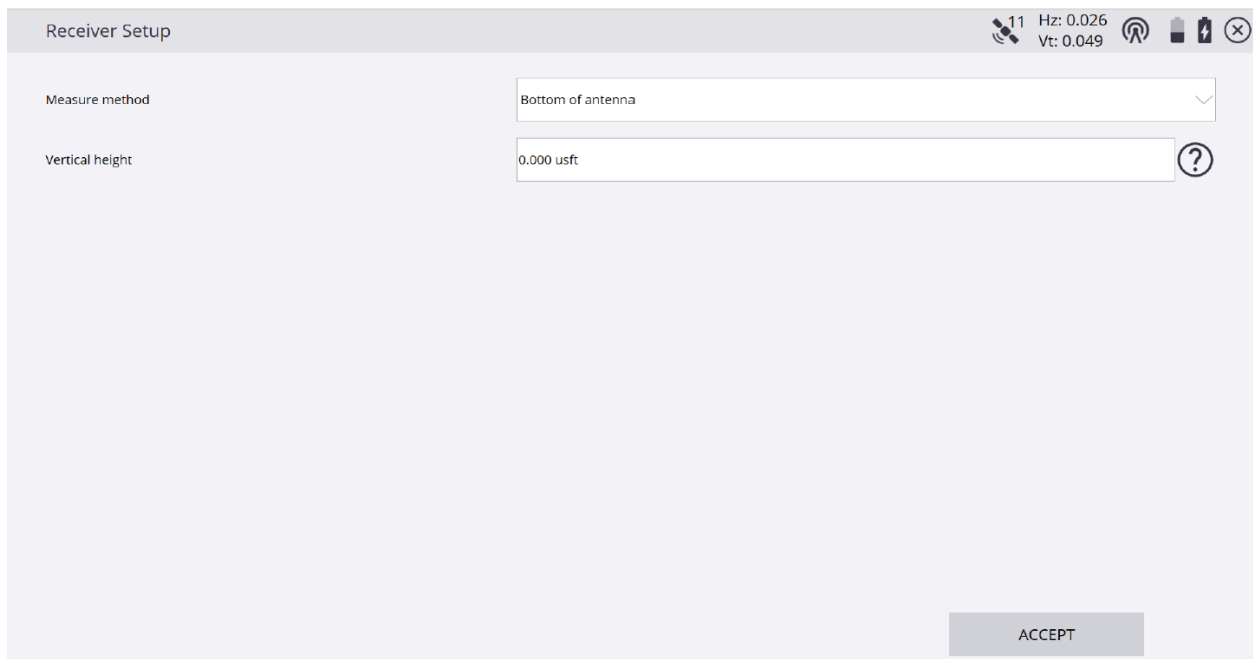


The 'Receiver Setup' window displays the following configuration options:

Field	Value
Mode	Base
Connection type	SPS985 Emulator
Correction method	Radio in Receiver
Network ID	1
Base position	Unknown position
Base name	TestProjectBase1
Antenna height	0.000 usft (Bottom of antenna)
Elevation mask	10
Corrections	CMRx

An 'ACCEPT' button is located at the bottom right of the window.

*From the **Measure method** window drop-down list select the desired method.
In the **Vertical height** window enter a base height then tap **ACCEPT**.
(Base heights are typically 0.000 Meters/0.000 usft or 2 Meters/6.562 usft)

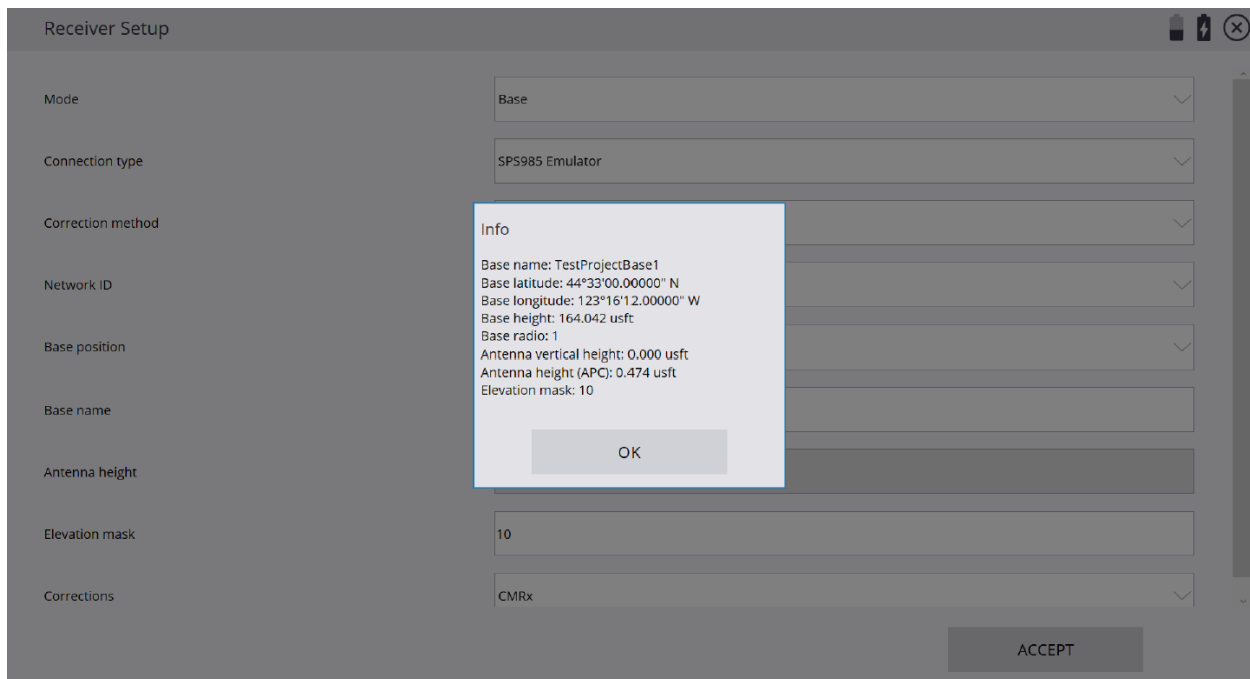


The 'Receiver Setup' window displays the following configuration options:

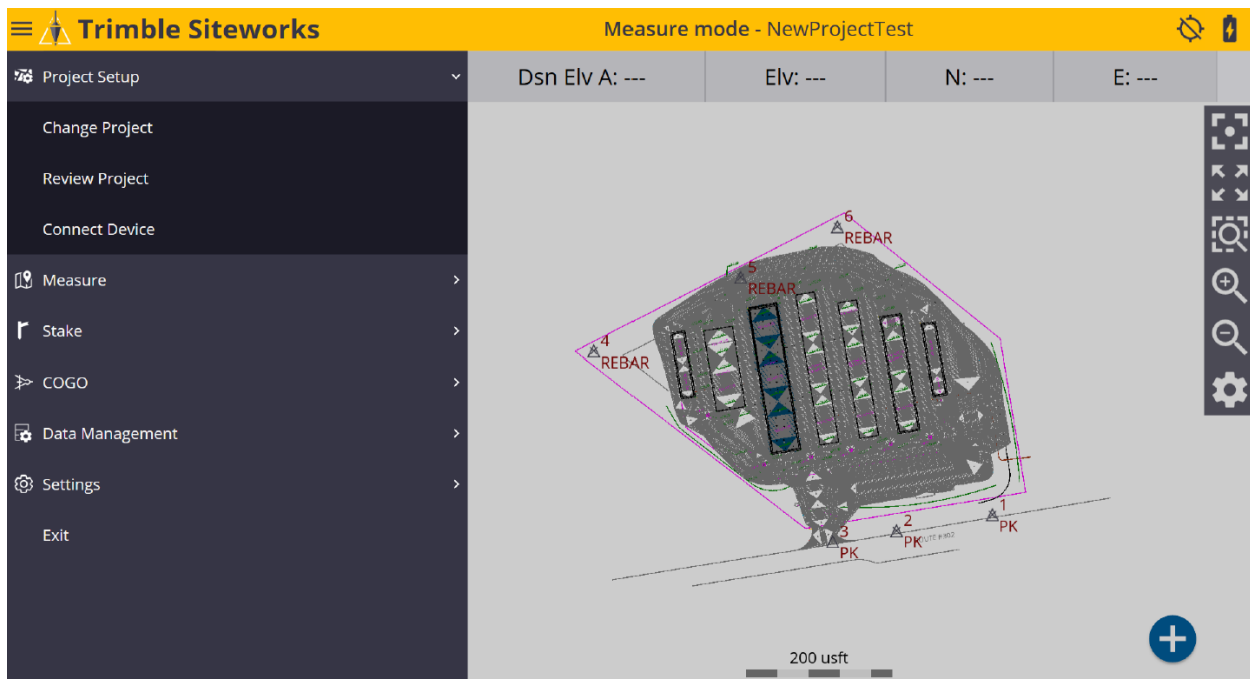
Field	Value
Measure method	Bottom of antenna
Vertical height	0.000 usft

A status bar at the top right shows: 11 Hz: 0.026 Vt: 0.049. An 'ACCEPT' button is located at the bottom right of the window.

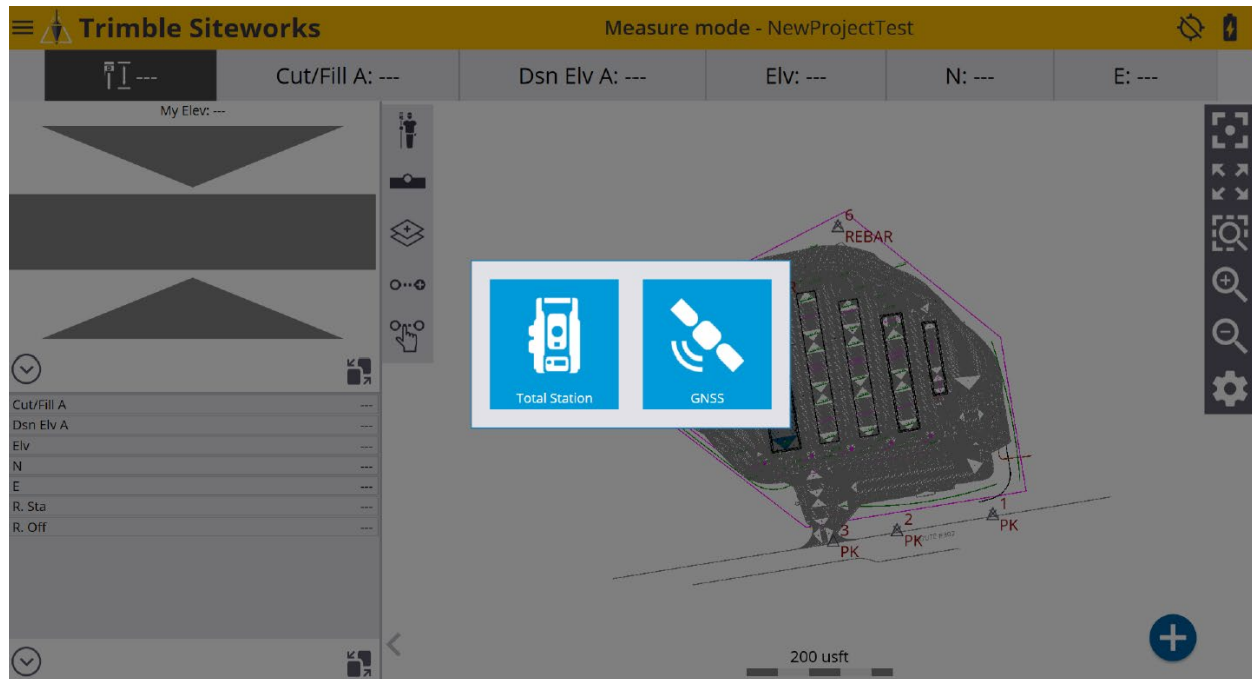
*Once Base receiver has been setup an **Info** dialogue box appears showing the Base receiver setup information settings, tap **OK**.



*After completing Base setup connect Rover receiver from the Siteworks upper left main screen tap the **3-Bar Hamburger Icon** and select **Connect Device**.



*In **Connect Device** tap on the blue **GNSS Icon** to enter the **Receiver Setup** screen.

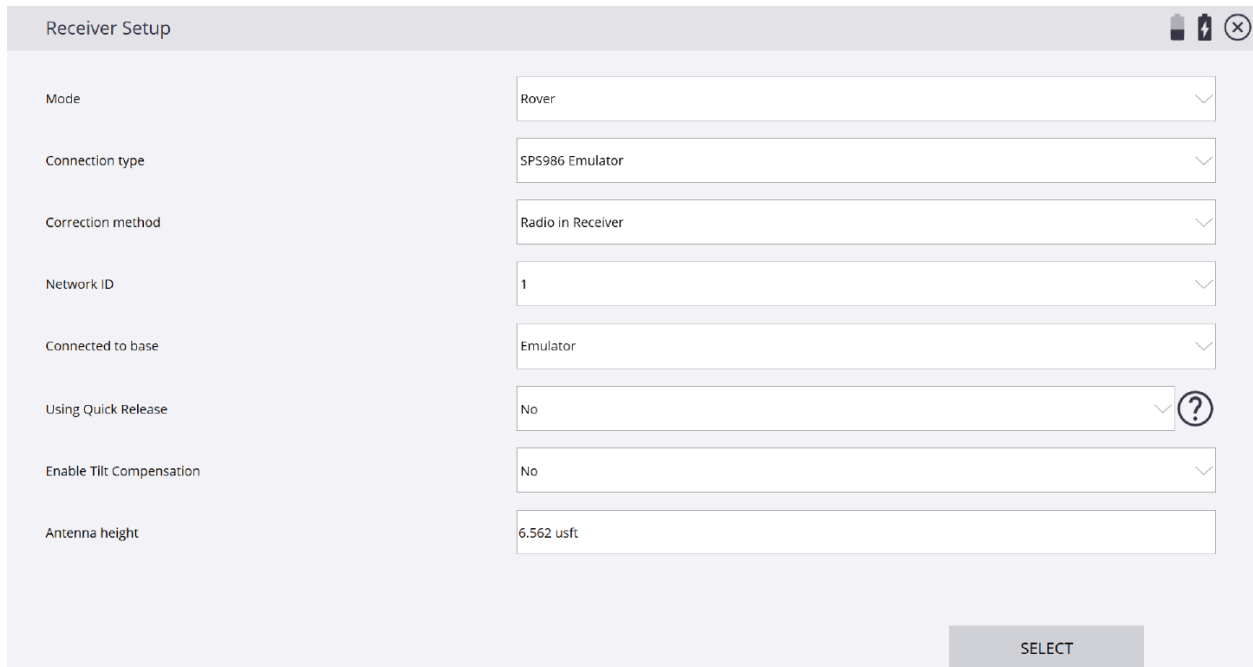


*On the **Receiver Setup** screen select **Rover** from the drop-down list in the **Mode** window.

Receiver Setup	
Mode	<div>Rover</div>
Connection type	<div>SPS986 Emulator</div>
Correction method	<div>Radio in Receiver</div>
Network ID	<div>1</div>
Connected to base	<div>Emulator</div>
<div>OK</div>	

*Select the desired Base receiver point from the drop-down list in the **Connected to base** window. Select **Yes** or **No** options from the drop down lists for **Using Quick Release** and **Enable Tilt Compensation**. Tap in the **Antenna height** window to input a Rover antenna height, tap **SELECT**.

(You cannot use Tilt Compensation when measuring control points)

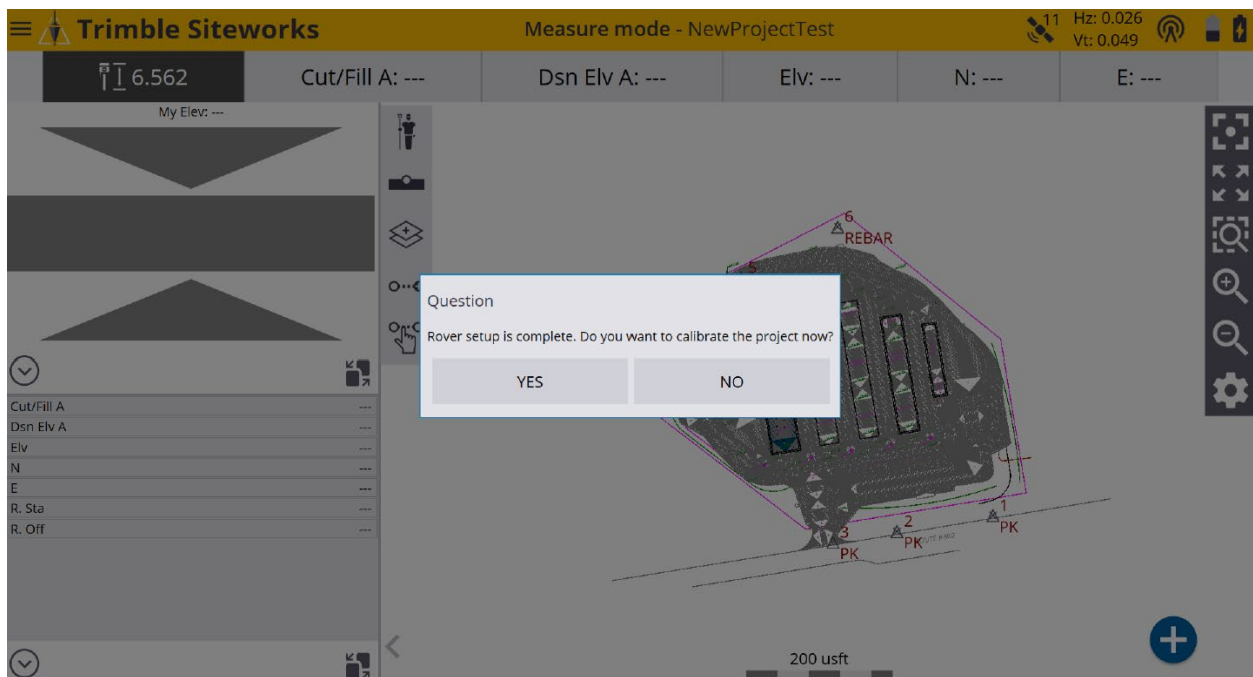


The 'Receiver Setup' window contains the following fields and options:

Field	Value
Mode	Rover
Connection type	SPS986 Emulator
Correction method	Radio in Receiver
Network ID	1
Connected to base	Emulator
Using Quick Release	No
Enable Tilt Compensation	No
Antenna height	6.562 usft

A 'SELECT' button is located at the bottom right of the window.

*Once the Rover is setup you will be asked to calibrate the project now, tap **YES**.



*On the **Project Calibration** screen tap + (*plus sign*) to start the calibration.

Project Calibration

11 Hz: 0.026 Vt: 0.049

Use the add point button to select a control point to start the calibration.

+ MOVE BASE REPORT

Point Name	H Residuals	V Residuals
------------	-------------	-------------

FINISH

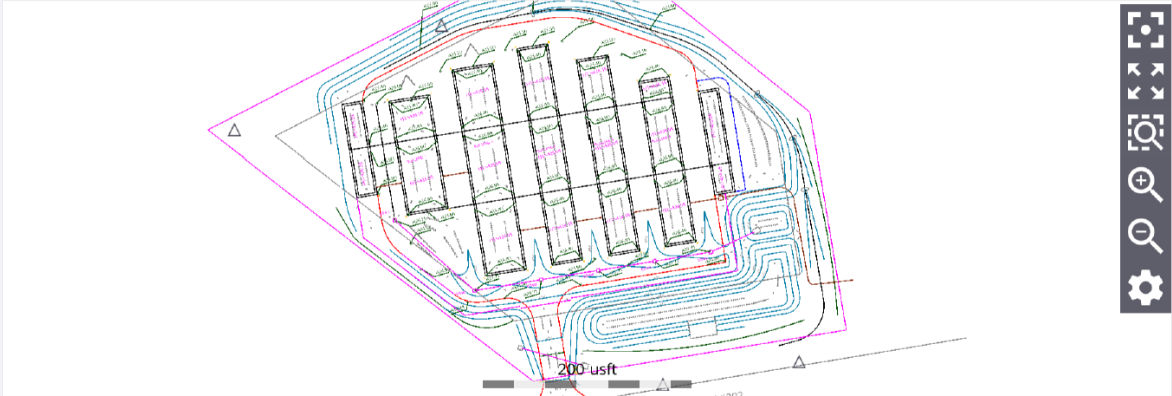
*On the **Select Point** screen tap the **Map Options Gear Cog Icon** at the bottom right.

Select Point

11 Hz: 0.026 Vt: 0.049

Point name

Tap a point



SELECT

*On the **Map Options** screen select the **Measure** tab to check the boxes for **Point codes**, **Point elevations** and **Point names**.

Map Options

Measure Design Layers Images Rotate Panel Display 3D View

☒ Point names ☒ Point codes

☒ Point elevations ☒ Stakeout points

☒ Control points ☐ Point cut/fill

☒ Measured surface ☒ Measured feature

☒ Coverage grid

Grid size 10.000 usft

☒ Cut/Fill: Measured

☐ Cut/Fill: Surface A-B

☐ Elevation

ACCEPT

*Now that the control point names are visible on the **Select Point** screen map **Tap a point** or type it in the **Point name** window.

Select Point

Point name

Tap a point

400 usft

REBAR

PK

SELECT

*After selecting the point to measure in the **Point name** window, tap **SELECT**.

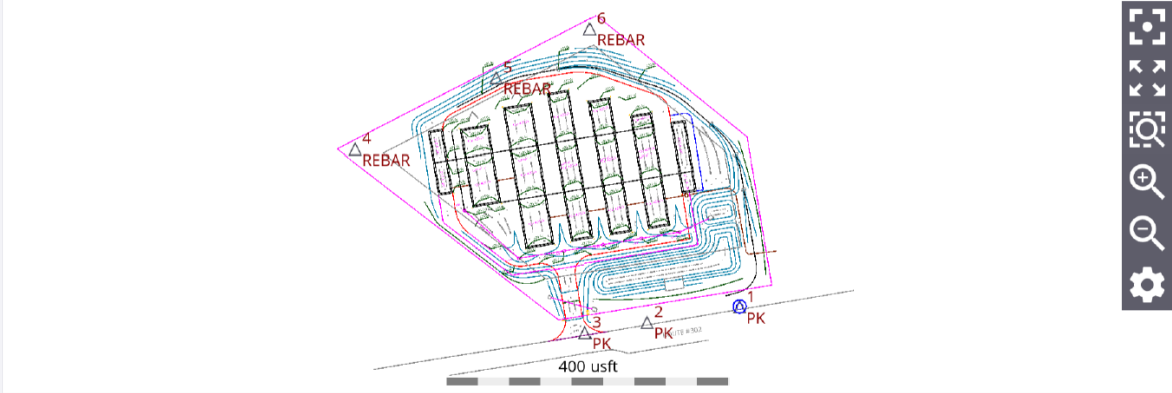
Select Point

11 Hz: 0.026 Vt: 0.049

Point name

1

Go ---



SELECT

*On the **Static Mode Settings** screen customize any values and units, tap **START**.

Static Mode Settings

11 Hz: 0.026 Vt: 0.049

Measure method

Bottom of antenna

Vertical height

6.562 usft

Horizontal tolerance

0.082 usft

Vertical tolerance

0.082 usft

Minimum measuring time

15

Time unit

Seconds

☐ Log data in receiver

Recording interval (seconds)

5

START

*On the **Static Measurement** screen the current and expected precisions display as the **Time measured** counts the **Minimum measuring time**, tap **ACCEPT**.

Static Measurement

11 Hz: 0.026 Vt: 0.049

Time measured 2/15 s

Expected precisions

Horizontal precision	0.082
Vertical precision	0.082

Current precisions

Horizontal precision	0.026 usft
Vertical precision	0.049 usft

*On the **Project Calibration** screen tap + (*plus sign*) to measure another point in the calibration. After measuring at least three points you will see a horizontal and vertical point deviation value checklist on the **Project Calibration** screen. If the calibration is out of tolerance uncheck the red deviation values in order until the calibration is within tolerance. Save the calibration and the Base point location.

The Base point should ideally be near the center of the project site and the calibration points should be at or beyond the boundaries of the project site for the best geometric solution to the calibration.