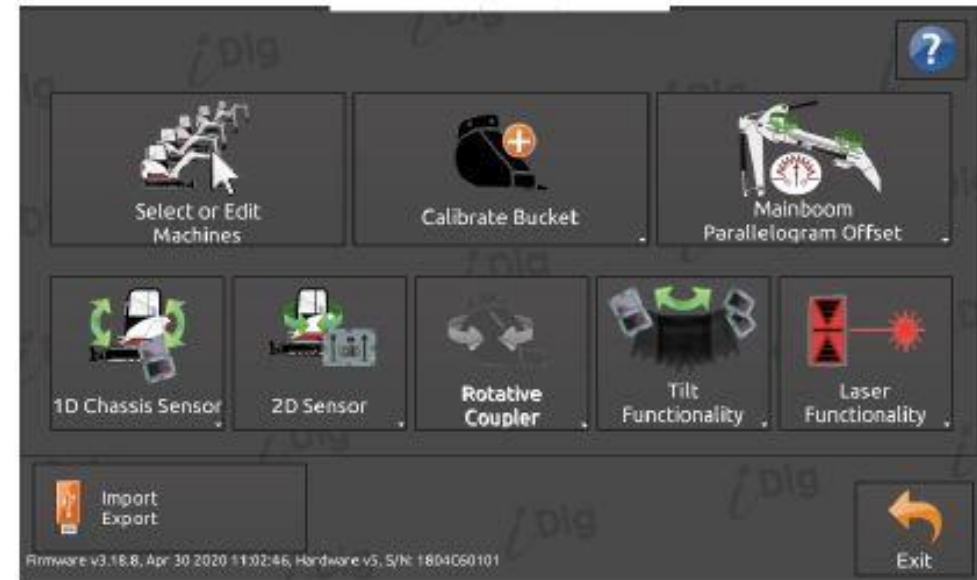


- This Menu gives you access to calibrate various tools and machines. Click on “System Settings”.



- From this screen you can access the list of machines and buckets that you have stored in memory. You can calibrate and add new tools, and you can check and edit various machine settings. To actually calibrate a tool, please refer to the “Calibration Procedures” earlier in this manual.

Select Machine/Tool

- You can select which machine and bucket that you will be working with that particular day from your library. Just scroll down and highlight the appropriate combination and press “Apply”.
- You can start the calibration process for a new machine by clicking on the “New Machine” button.
- You can access a machine’s settings by highlighting the machine and clicking on “Edit Machine Parameters”.
- Or you can hit “Cancel” and return to the Main Screen.

Select machine/tool

Select machine:

Demo Trolley

Back

Next

Select bucket:

Neuer Bohrer
Neuer Löffel
New Auger
New Bucket

Alternate choices:

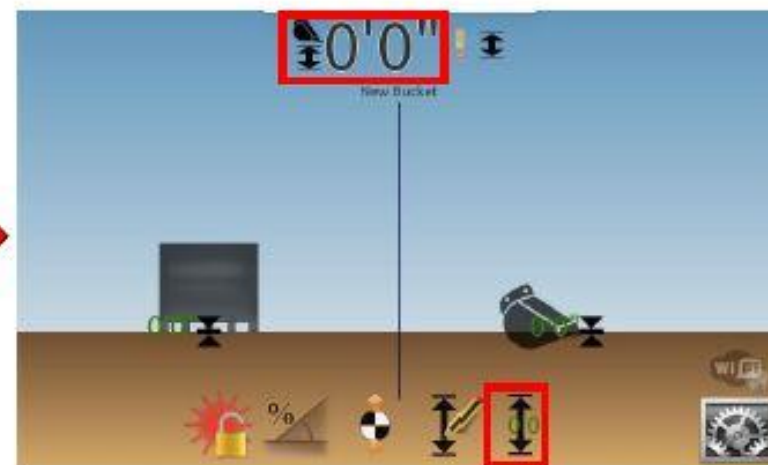
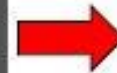
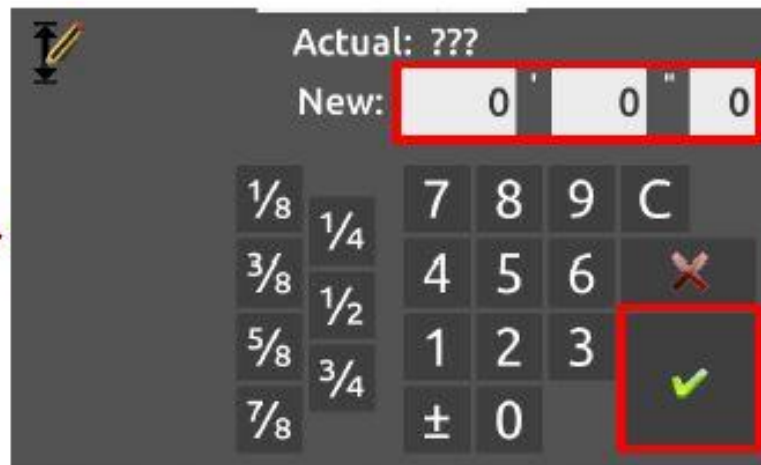
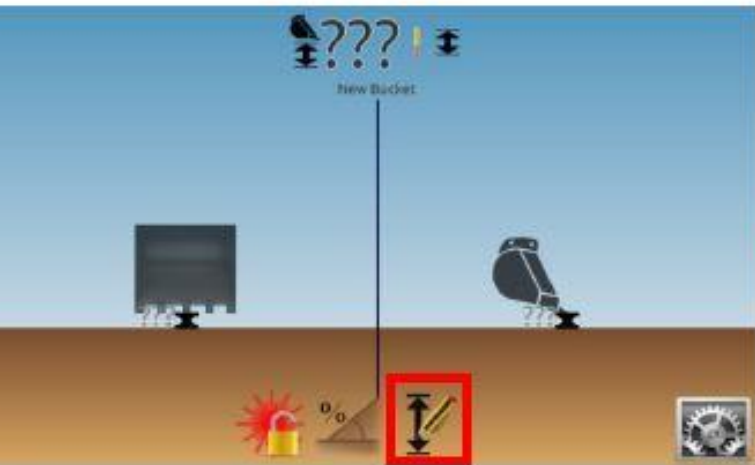
New Machine

Edit Machine Parameters

Cancel

Apply

Method 1: Using the bottom of the excavation as the reference point



- Place the tip of the bucket at the bottom of the trench and then press the "Elevation" symbol.

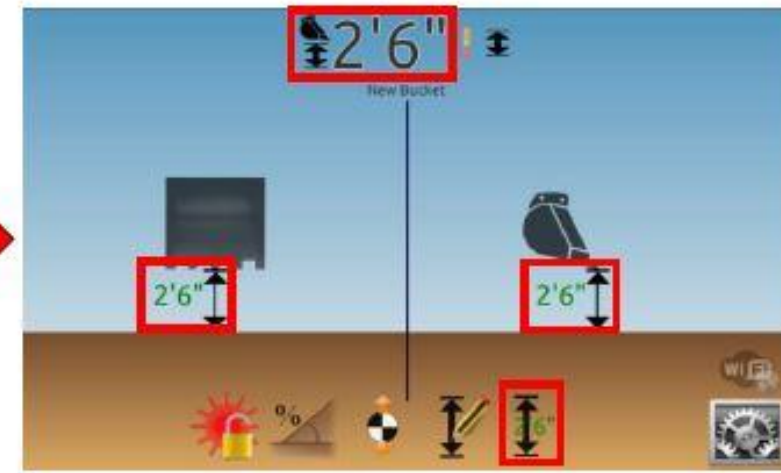
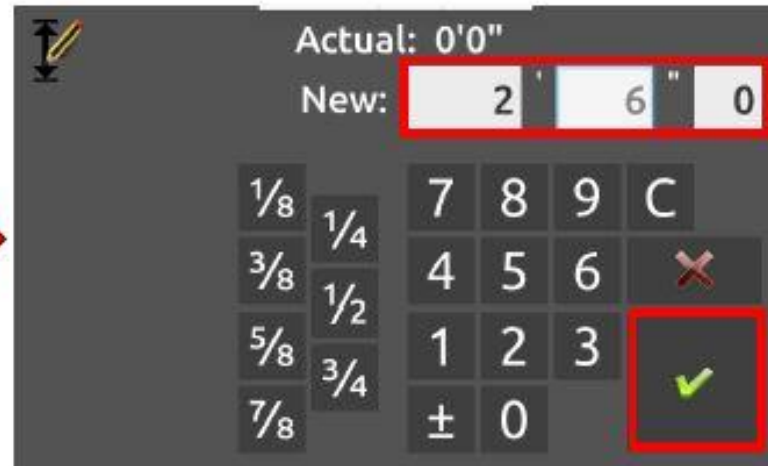
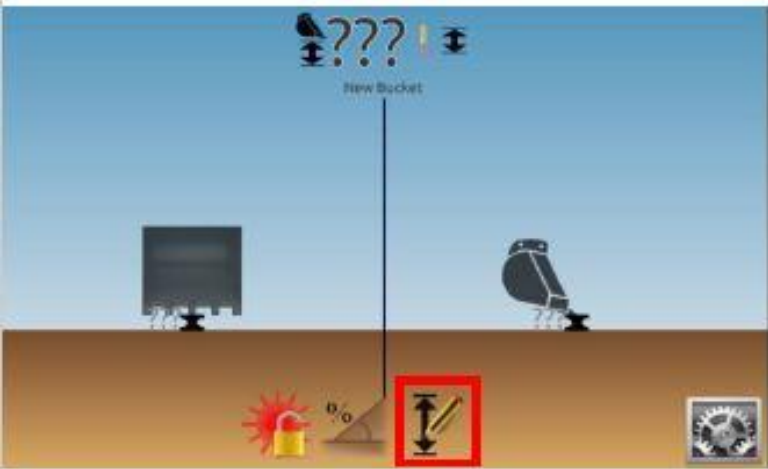
- Enter '0' as the height, you are at the bottom of the excavation.
- Press the green check mark to validate.

- The screen and the LED Display are now giving you real-time elevation information.

Note: After the first setting of an elevation, a second icon appears on the very right hand side of the screen: by clicking on it, you can set the last dialed-in elevation with one single click.



Method 2: Using a surveyor's stake as the reference



- Place the tip of the bucket on the surveyor's stake or hub and then press the "Elevation" symbol.

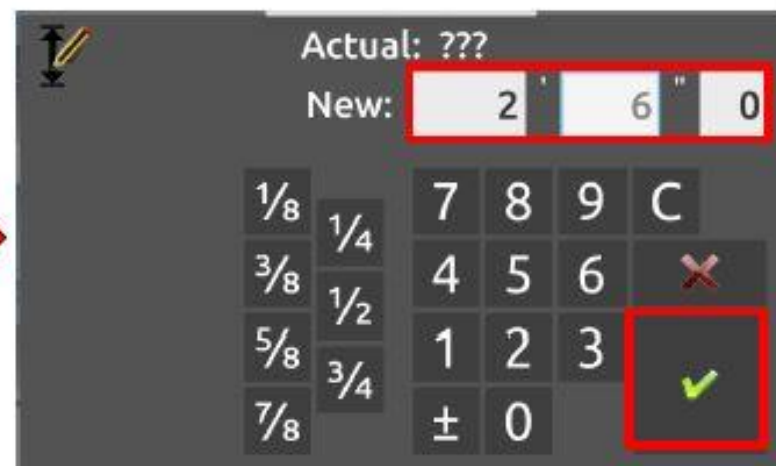
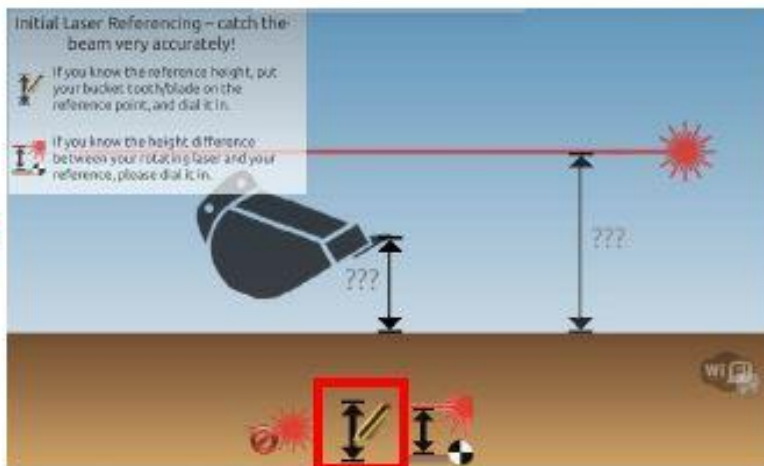
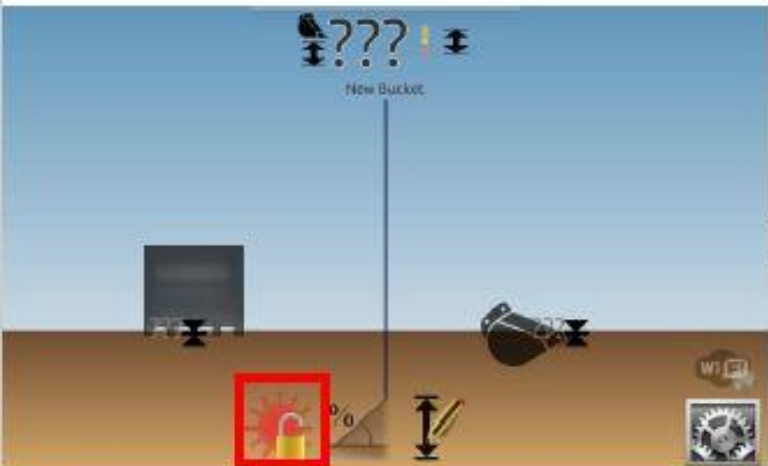
- Enter a positive value for the desired depth to dig to, 2'6" in this example.
- Click on the green check mark to validate.

- The screen and the LED Display are now giving you real-time elevation information.

Note: After the first setting of an elevation, a second icon appears on the very right hand side of the screen: by clicking on it, you can set the last dialed-in elevation with one single click.



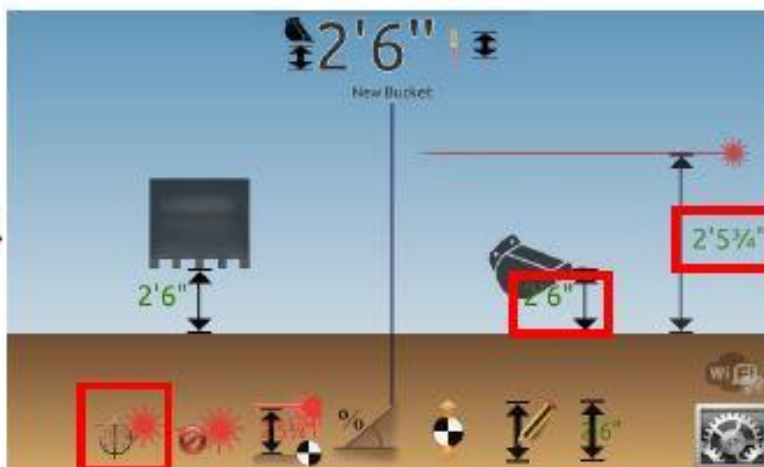
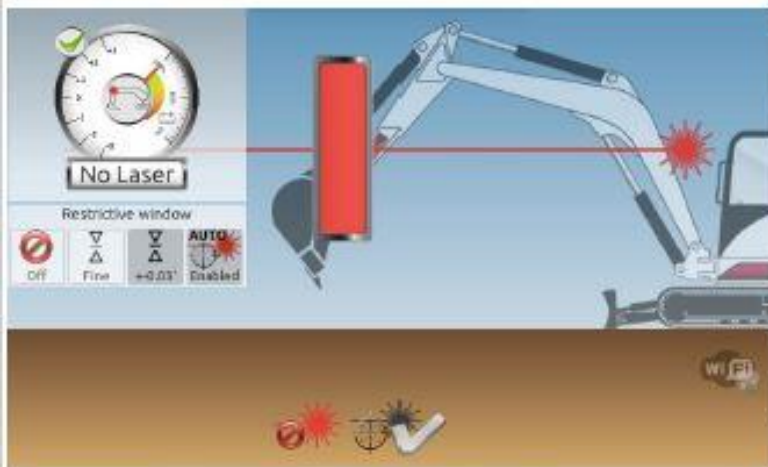
Method 1: Not knowing the Laser Height



- Click on "Activate the 1st laser catch".

- Click on "Bucket Height".

- Place the bucket tip/edge on the reference point and enter your positive depth to cut, + 2'6" in this example.
- Click on the green check mark to validate.



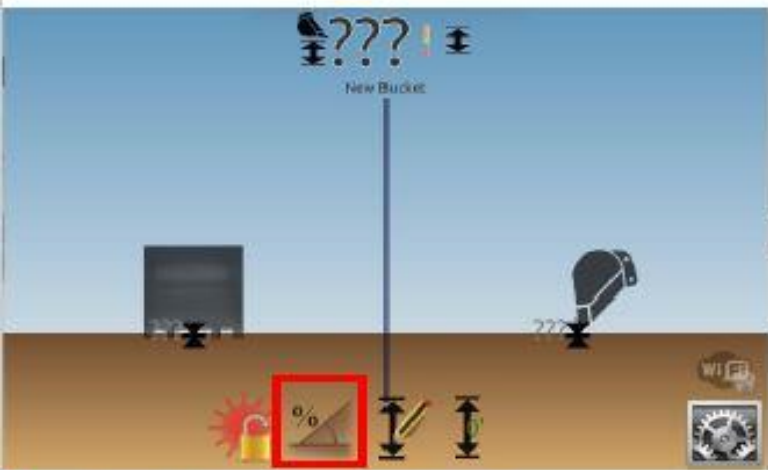
- Catch the laser beam.

- The bucket height is shown 2'6".
- The result of the laser catch shows the laser height, in this example to be 2'5 3/4".

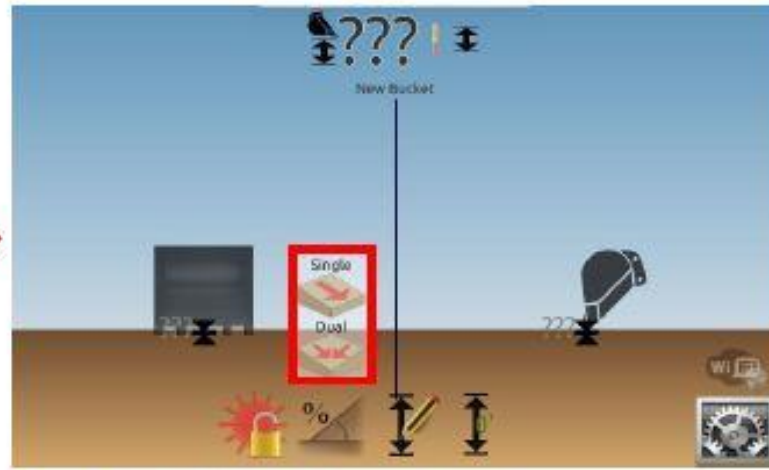
- Each time the machine gets moved on the job site, click on this button at the new location prior to continue digging to catch the laser beam.



Method 1: Using the bottom of the trench as the reference



- Click on the "Slope" button.

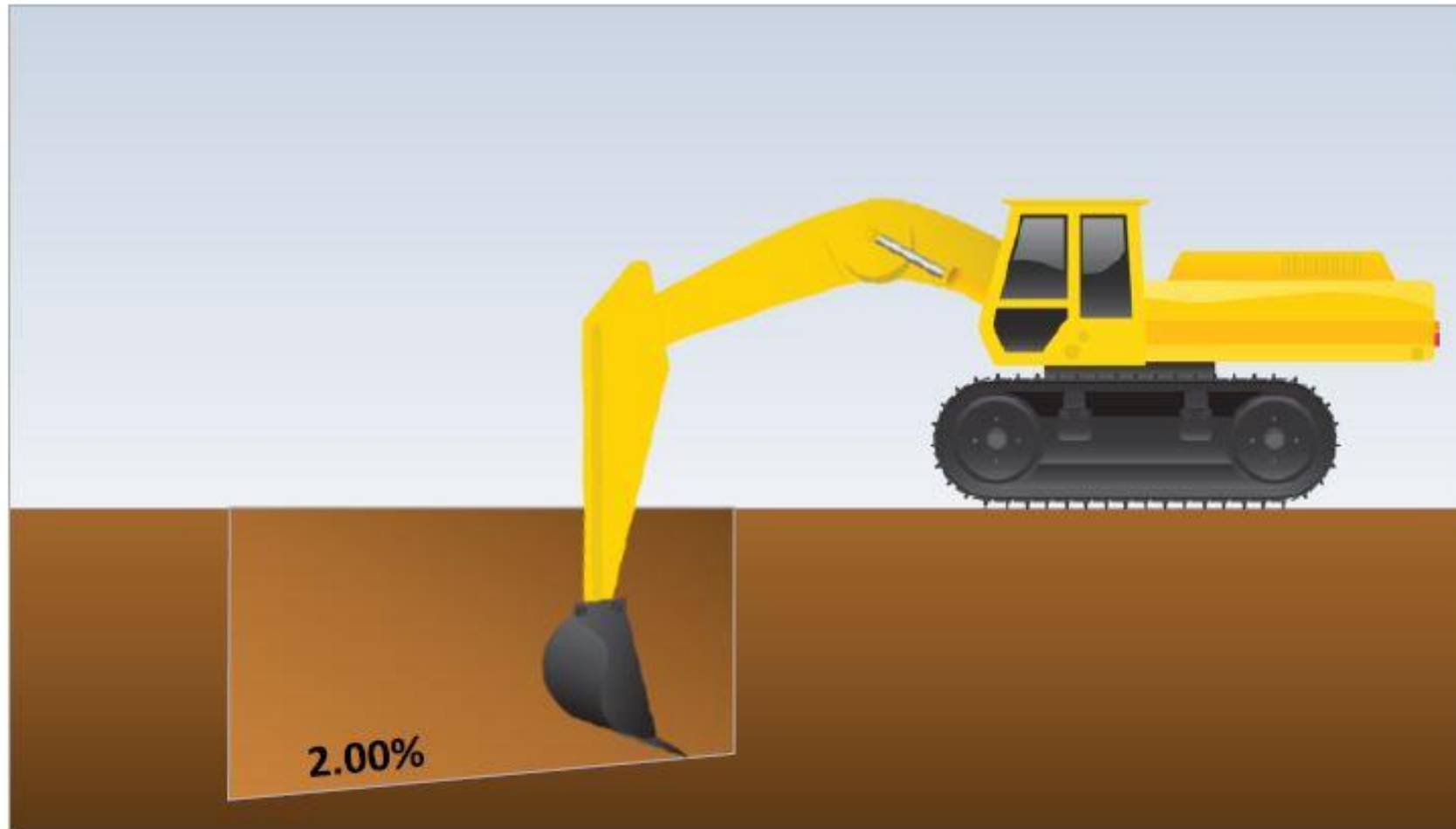


- Select Single or Dual Slope

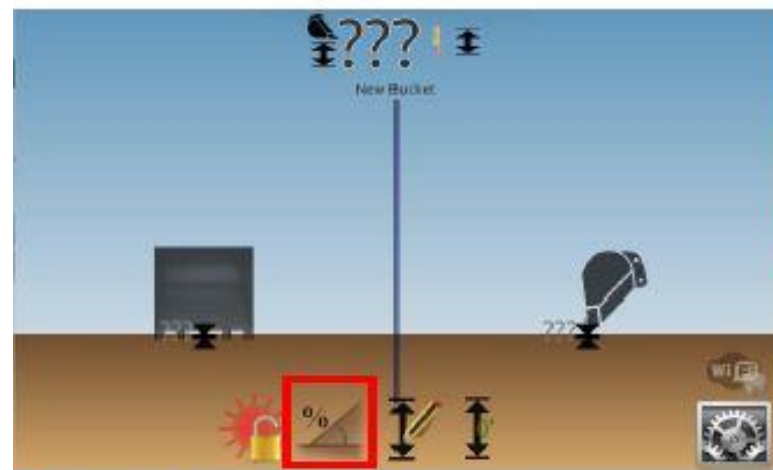


- Choose the direction of the slope you wish to dig.
- Enter the percentage of slope that you want. **NOTE** – if you prefer ° (degrees) or X:Y you can change in the "Units" menu in Basic Settings.
- Click on the green check mark to validate.

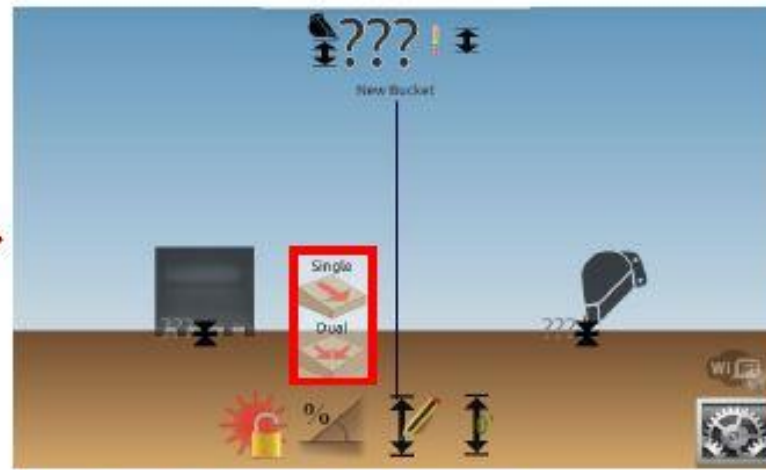
Method 1: Using the bottom of the trench as the reference



Method 1: Using the bottom of the trench as the reference



- Click on the "Slope" button.

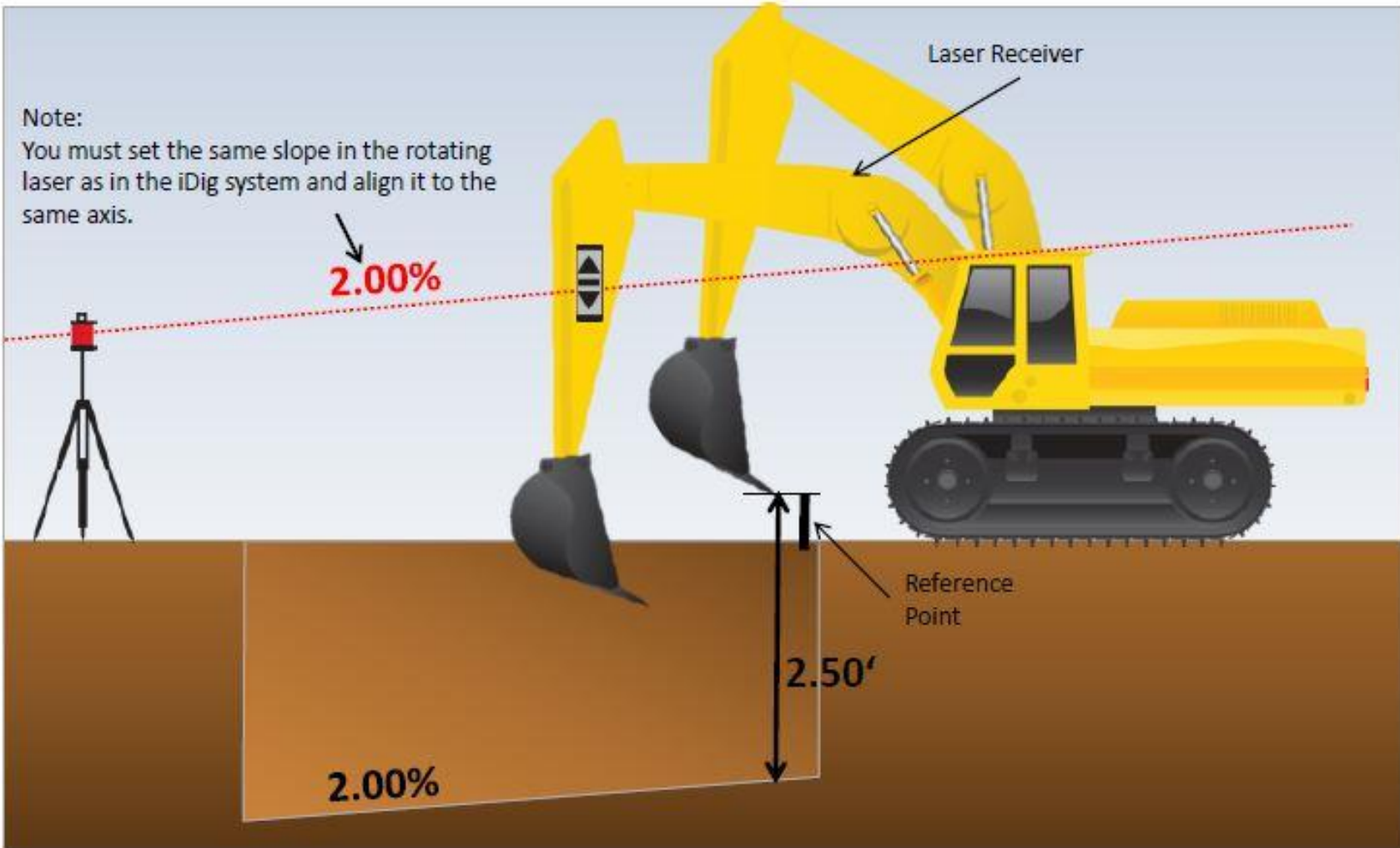


- Select Single or Dual Slope

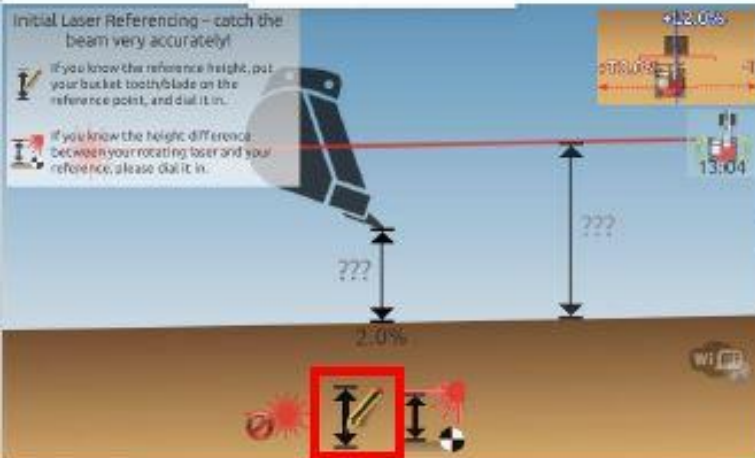


- Choose the direction of the slope you wish to dig.
- Enter the percentage of slope that you want. **NOTE** – if you prefer ° (degrees) or X:Y you can change in the "Units" menu in Basic Settings.
- Click on the green check mark to validate.

Method 1: Not knowing the Laser Height



Method 1: Not knowing the Laser Height

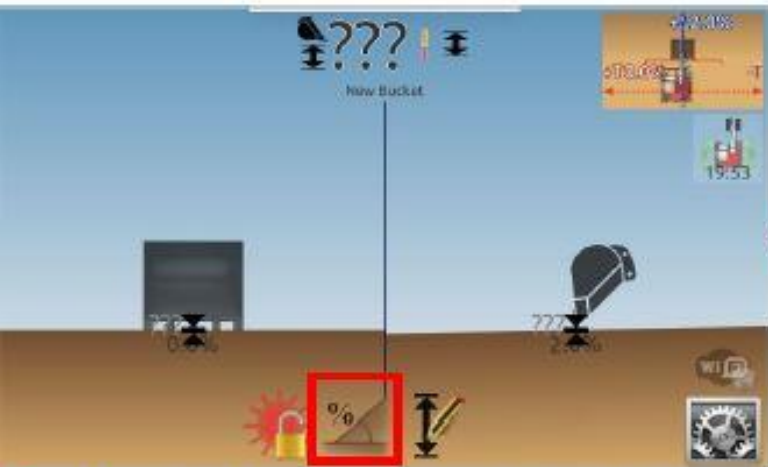


- Click on “Bucket Height”.

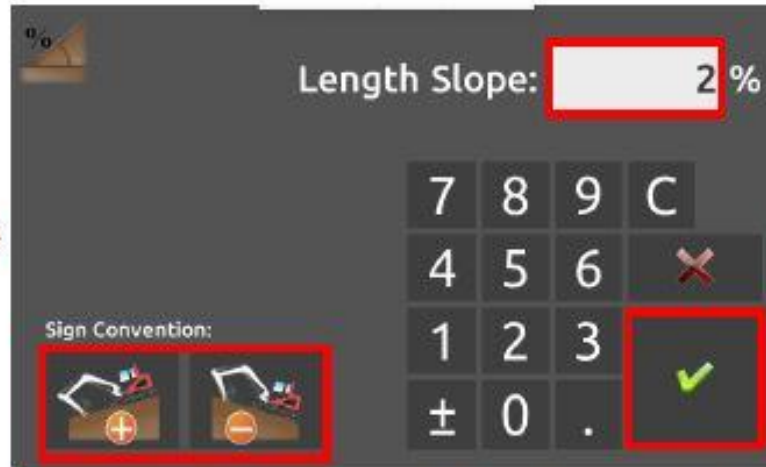
- Place the bucket tip/edge on the reference point and enter 2.5’.
- Click on the green check mark to validate and then catch the laser beam.

- The bucket height is shown (2.5’) and the result of the laser catch (2.93’) is shown

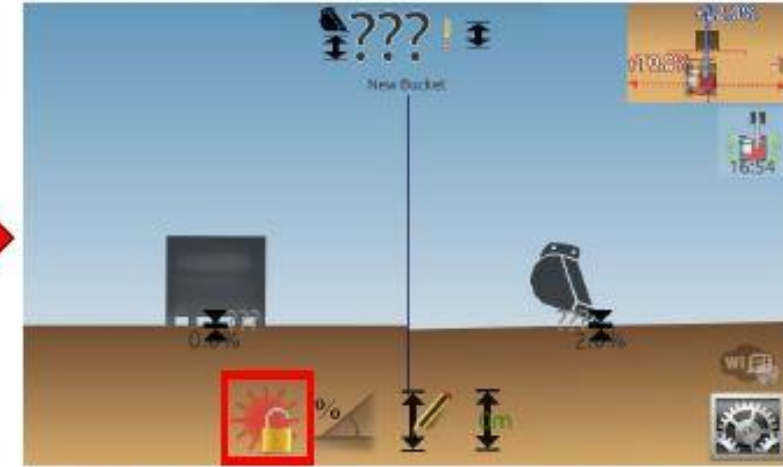
Method 1: Not knowing the Laser Height



- Click on the "Slope" button. Then choose Single or Dual Slope.



- Choose the direction of the slope you wish to dig.
- Enter the % of slope that you want.
- Click on the green check mark to validate.



- Align the cab to the slope as previously instructed and activate the 1st Laser Catch.

Slope

- ***I'm working with slope and the system won't offer me the laser catch symbol.***
 - Once you enable Slope or Reach, you'll notice a pop-up window on the right hand side of the screen. It's purpose is to remind you to align the cab parallel to the main (slope) axis and click the tiny right hand symbol to confirm. After that you'll find your laser catch symbol again.
- ***I don't understand the pop-up message on the top right hand corner of the screen after I set a slope.***
 - Slope always refers to an axis. In order to make the system understand the direction of your main (slope) axis, you need to align the cab parallel to the main (slope) axis and click the tiny right hand symbol to confirm
- ***I would like to change the slope units to °, % or X:Y.***
 - Go to the Basic Settings. In the "Units" section you can change the units for lengths & slope.
- ***What does the small countdown clock under the alignment button mean?***
 - Due to the 2D Sensor's slight drift, you need to realign after a certain time. The countdown shows the time until you need to realign.
- ***After working with slope or reach for a certain time suddenly a pop-up shows up?***
 - Due to the 2D Sensor's slight drift, you need to realign after a certain time. The pop-up indicates the end of a countdown and you need to realign.

Laser Catch

- ***I'm working with Slope (or Reach) and the system won't offer me the laser catch symbol?***
 - Once you enable Slope or Reach, you'll notice a pop-up window on the right hand side of the screen. It's purpose is to remind you to align the cab parallel to the main (slope) axis and click the tiny right hand symbol to confirm. After that you'll find your laser catch symbol again.
- ***Does the laser catch work with a green beam rotational laser?***
 - Yes.
- ***Does the laser catch work with a line laser?***
 - No.
- ***Does the laser catch work with a laser pointer?***
 - No.