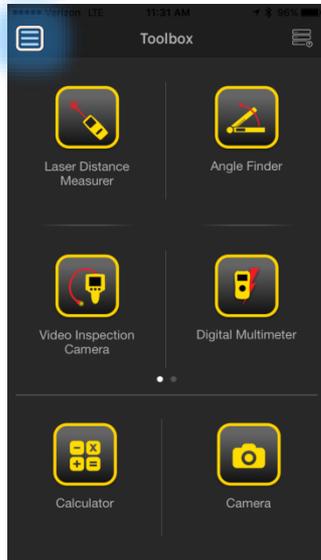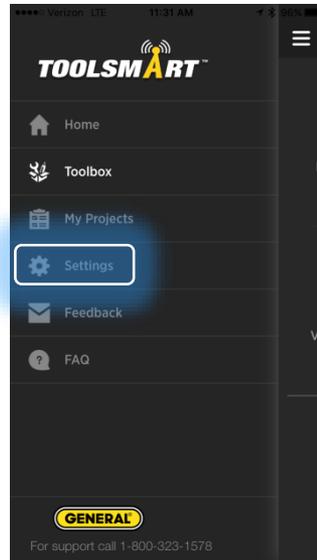# ToolSmart™ App Instruction Guide

August 8, 2016

1

Click the Hamburger Menu (triple bar button) at the top left corner of the page.

2

Tap the settings button

3

From here, you can change the units of measurement (which applies to all tools), have the captured images save to the phone's gallery, and view the terms & conditions and privacy policy.
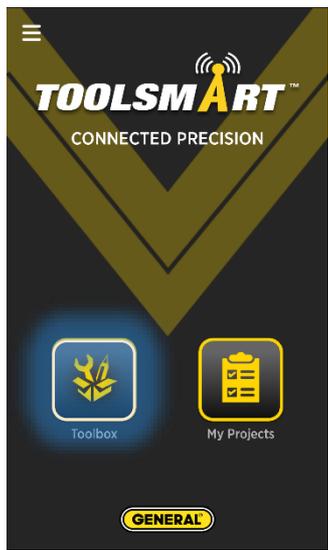
TOOLSMART

Long press yellow Measure button to turn on device.
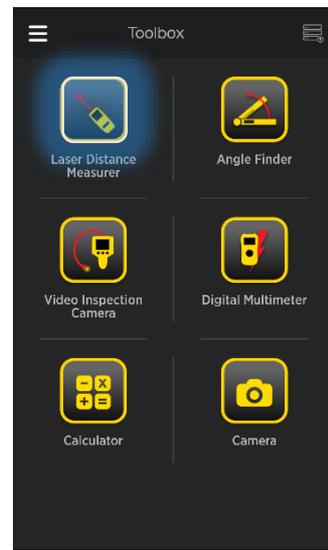
1

2

Long press Bluetooth button to turn on Bluetooth. Device will beep and "B" will start blinking on screen.
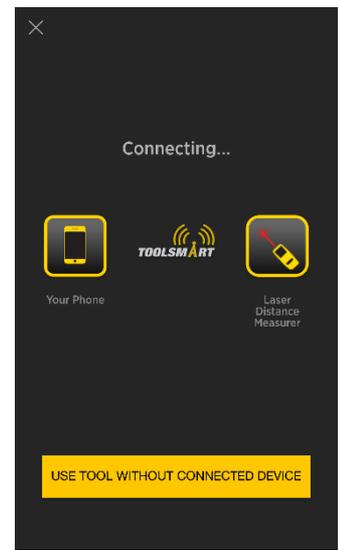
3 Tap Toolbox button

4 Tap LDM button

5 Tap Connect

6 Wait for phone and LDM to pair

GENERAL®

Press yellow Measure button to capture measurement

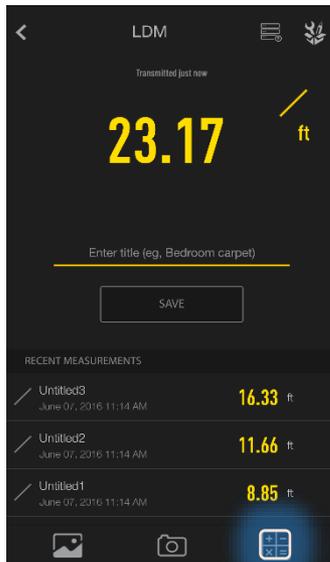**1** After connecting, the app opens to the Dashboard screen

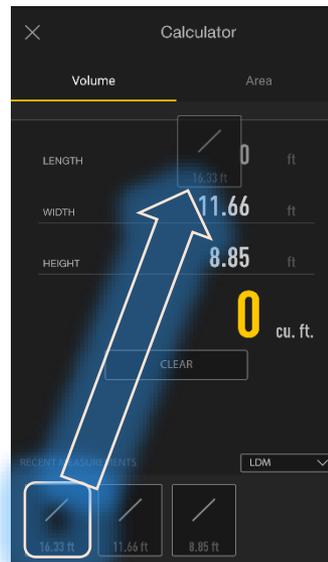**3** Short press Bluetooth button to send to phone

4 Title the measurement and press Save to store in the databank
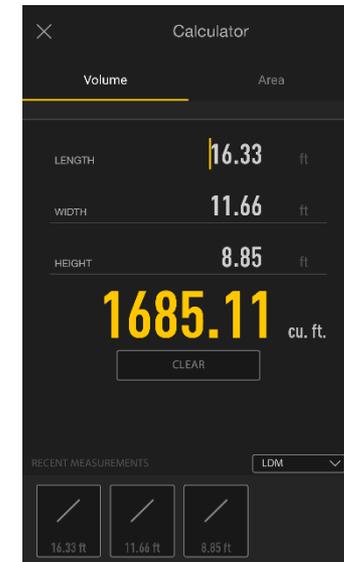
TOOLSMART

*Use the same process for the Area Calculator

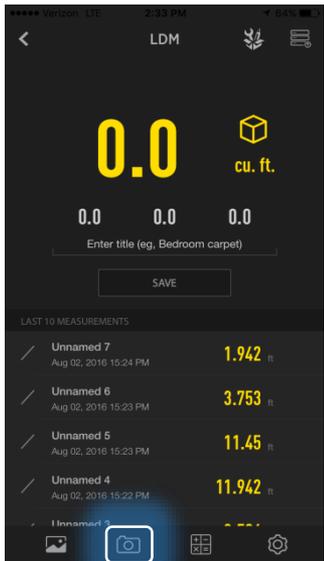**1**

Press the calculator button

2

Click and drag the measurements from the data bank below. Drop them into the Length, Width and Height fields. Values can also be manually typed into these fields.
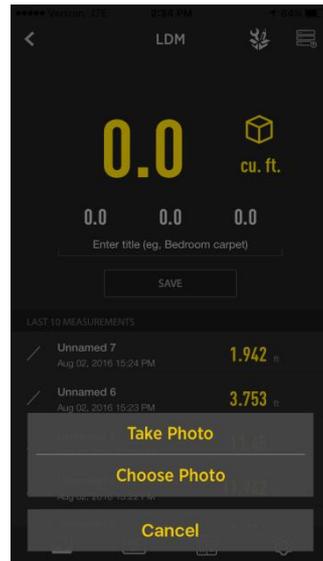

3

View the results

GENERAL®

TOOLSMART

1

From the dashboard, tap the camera button in the bottom center of the screen to access the camera.

2

You could elect to take a new photo or choose one from your phone's gallery.
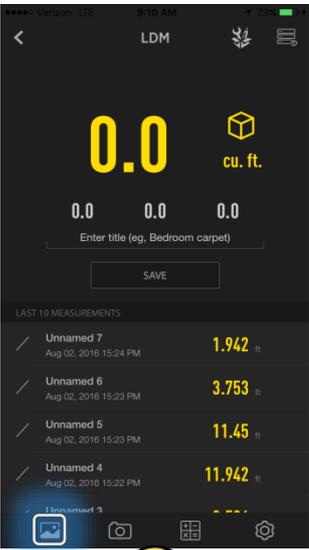
3

When taking a photo, tap the circular capture button on the bottom center of the screen. If necessary, tap the lightning bolt button in the top left corner of the screen to adjust the camera's flash. Tap the flip camera button in the top right corner of the screen to activate the front facing camera.
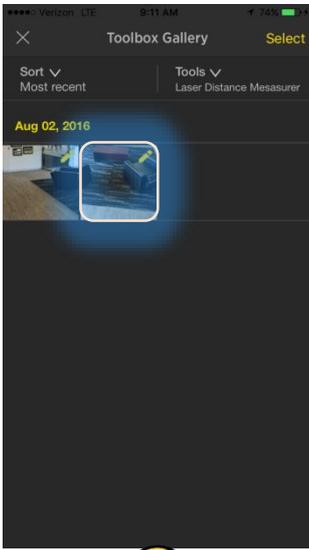
4

Finally choose whether to keep the photo that was taken or retake a new photo by tapping one of those options in the bottom corners of the screen.
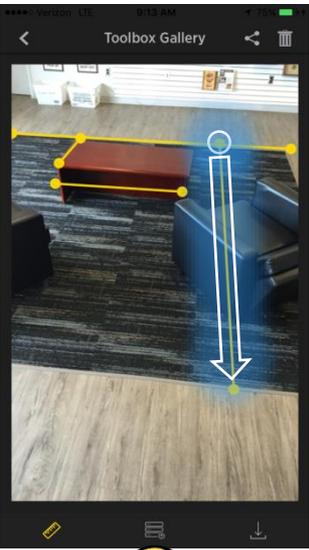
GENERAL®

1

From the dashboard, tap the gallery button in the lower left corner of the screen
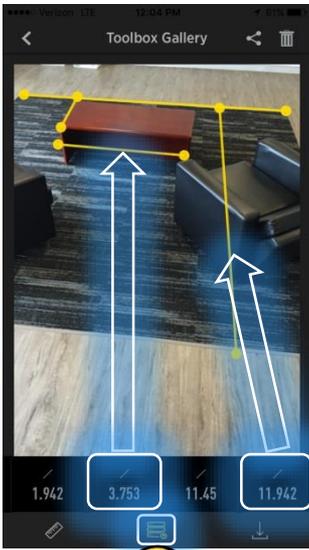
2

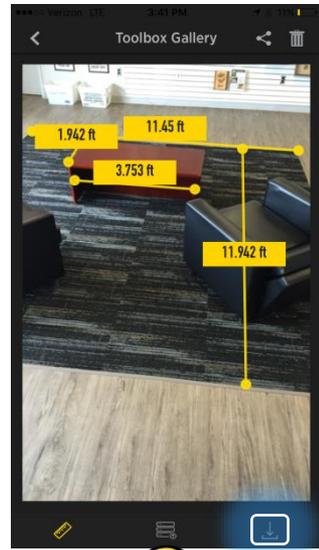Tap the photo you would like to add your measurements to.

3

Tap somewhere on the picture to start the line, drag it to another point and release to end the line. Lines can be moved and adjusted by tapping and dragging the middle of the line and the ends of the line. Custom values may be entered by tapping the line and double tapping the box that appears .
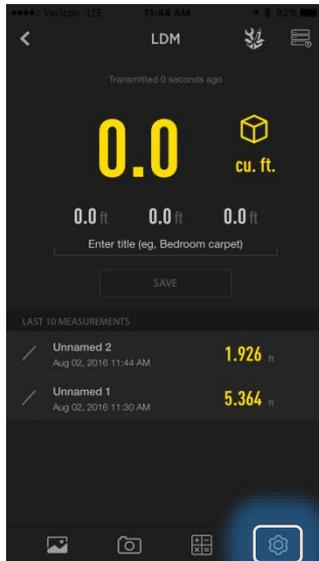
4

Tap the button on the bottom center to display your previously logged measurements. Then swipe the bar with the values until you can see the desired value and tap and drag that value to its respective line (value is entered when the line turns orange).

5

When all measurements are finalized, save your new picture to the gallery by tapping the save button in the bottom right corner of the page.

GENERAL®

1

From the dashboard page, tap the settings button at the bottom right corner of the page to view the settings.
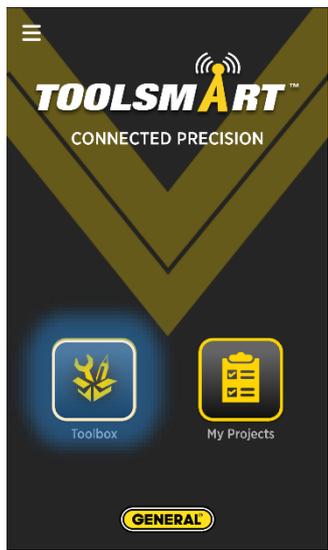
2

Tap the auto save button to automatically save measurements (the Bluetooth button still needs to be clicked to transfer the value on the LDM to the app).
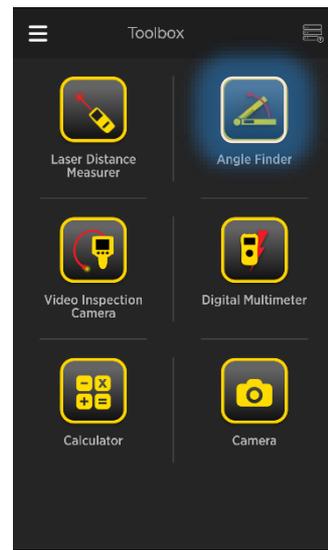
Angle Finder Pairing

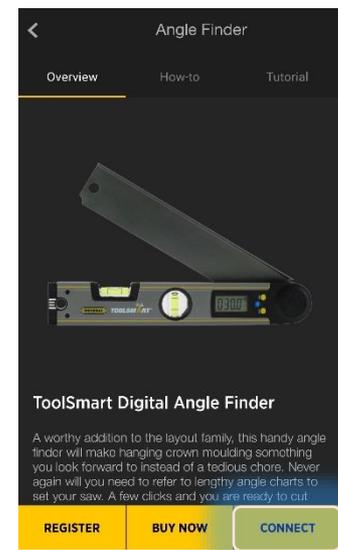**1** Press the yellow On/Off button to turn on device and to turn on Bluetooth. "B" will start blinking on screen.
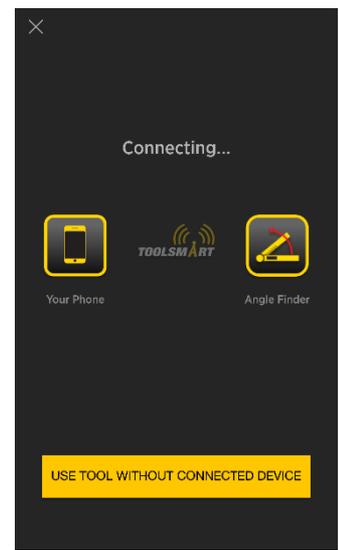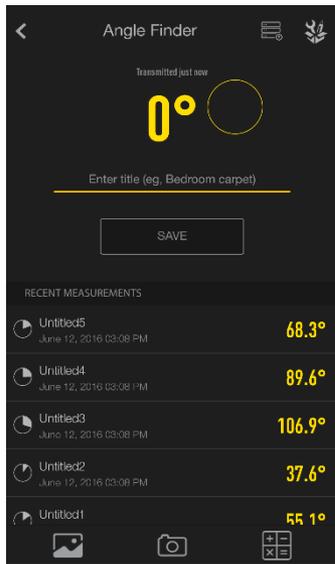
2 Tap Toolbox button

3 Tap Angle Finder button

4 Tap Connect

5 Wait for phone and Angle Finder to pair

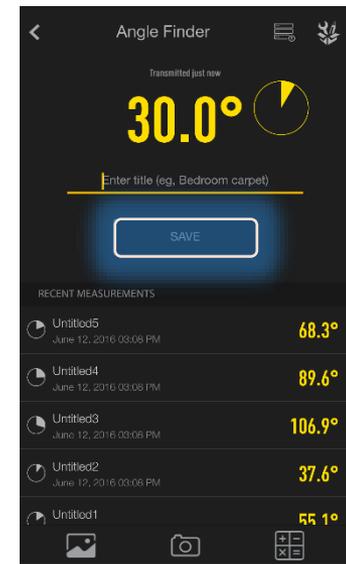# Angle Finder Dashboard

1

After connecting, the app opens to the Dashboard screen
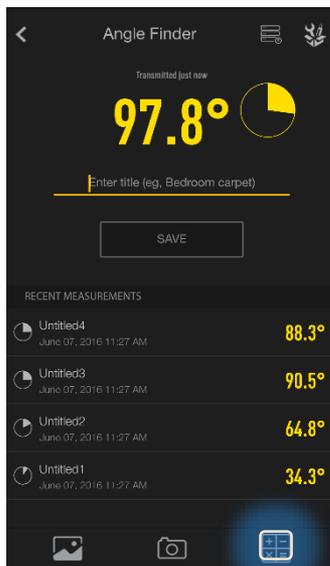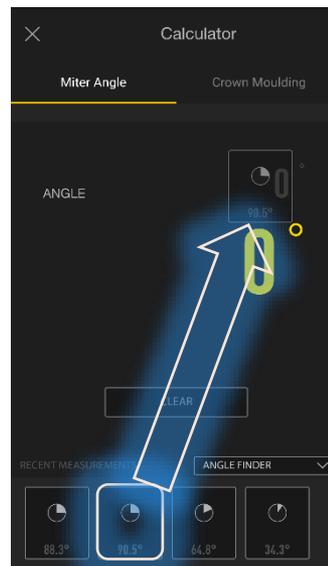
2

Short press Bluetooth button to send to phone

3

Title the measurement and press Save to store in the databank

GENERAL®

1

Press the calculator button

2

Click and drag the measurement from the data bank below. Drop it in the "Angle" field. Values can also be manually typed into these fields.

3

View the results

GENERAL®

TOOLSMART

Select your Spring Angle

1

Press the calculator button

2

3

Click and drag the measurement from the data bank below. Drop it in the "Wall Angle" field. Values can also be manually typed into these fields.
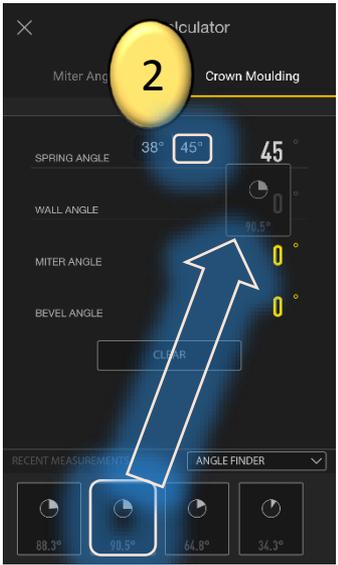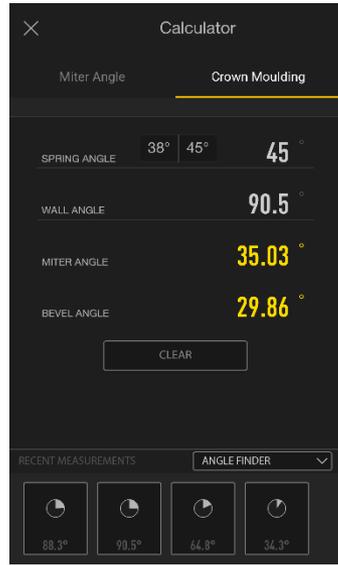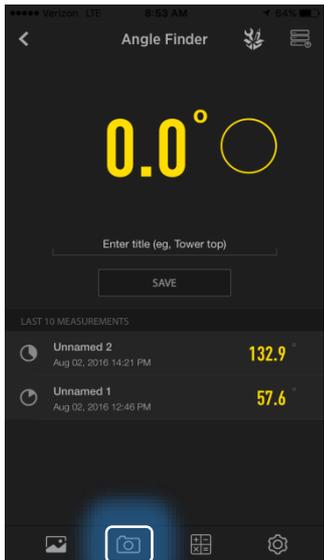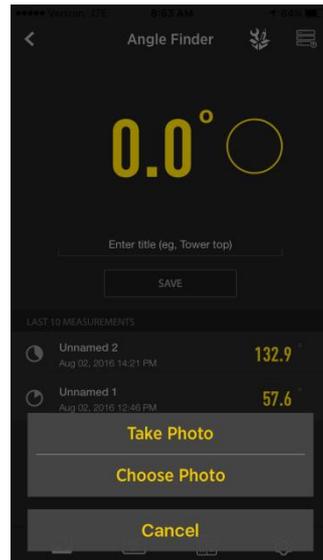
4

View the results

GENERAL®

1

From the dashboard, tap the camera button in the bottom center of the screen to access the camera.

2

You could elect to take a new photo or choose one from your phone's gallery.

3

When taking a photo, tap the circular capture button on the bottom center of the screen. If necessary, tap the lightning bolt button in the top left corner of the screen to adjust the camera's flash. Tap the flip camera button in the top right corner of the screen to activate the front facing camera.
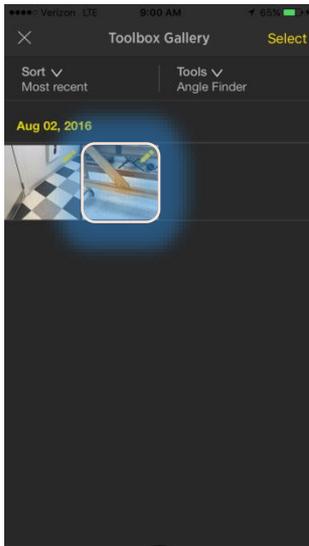
4

Finally choose whether to keep the photo that was taken or retake a new photo by tapping one of those options in the bottom corners of the screen.
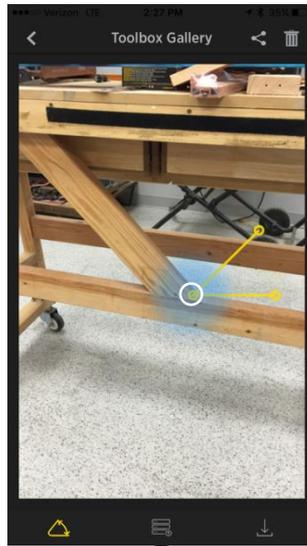
TOOLSMART

1

From the dashboard, tap the gallery button in the lower left corner of the screen
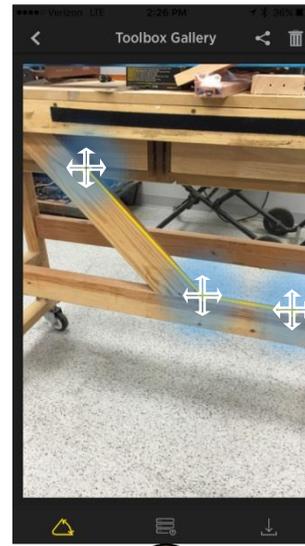
2

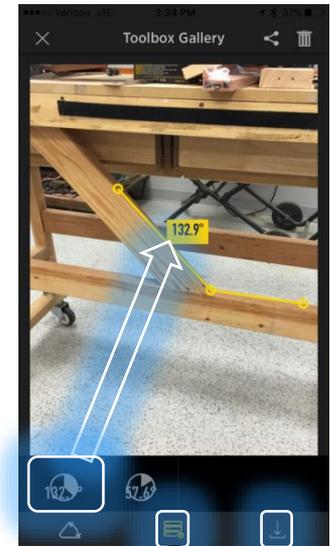Tap the photo you would like to add your measurements to.

3

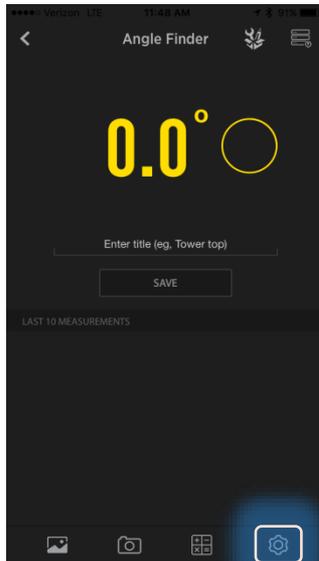Tap somewhere on the picture to place an arbitrary angle.

4

The drawn angle can be moved and adjusted by tapping and dragging the three points of the angle and the linear parts.

5

Tap the button on the bottom center to display your previously logged measurements. Then swipe the bar with the values until you can see the desired value and tap and drag that value to its respective line (value is entered when the line turns orange). Custom values may be entered by tapping the line and double tapping the box that appears. When all measurements are finalized, save your new picture to the gallery by tapping the save button in the bottom right corner of the page.

GENERAL®

TOOLSMART

1

From the dashboard page, tap the settings button at the bottom right corner of the page to view the settings.
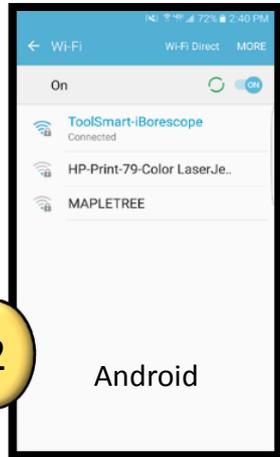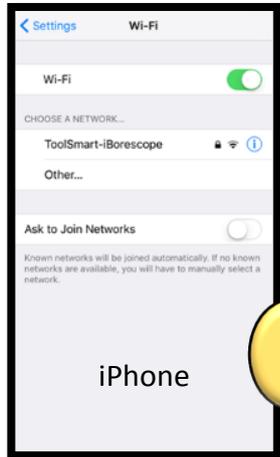

2

Tap the auto save button to automatically save measurements (the Bluetooth button still needs to be clicked to transfer the value on the LDM to the app).

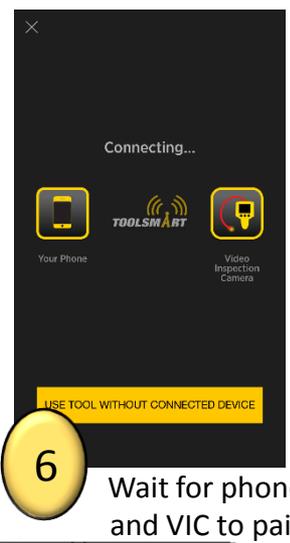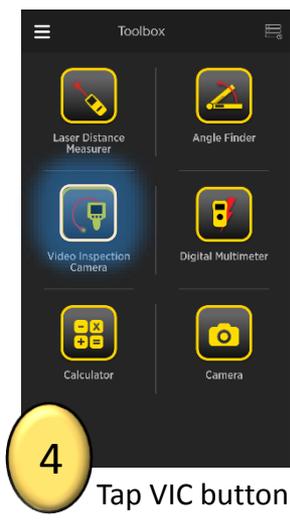**GENERAL®**

1 Press the gray On/Off button to turn on device. The screen will turn blue for a few seconds signaling that the Wi-Fi is turned on.

iPhone

Android

2

Go to Wi-Fi settings in the phone. Connect to "ToolSmart-iBorescope". Password: 12345

3 Tap Toolbox button

4 Tap VIC button

5 Tap Connect

6 Wait for phone and VIC to pair

Video Inspection Camera

TOOLSMART

Hit the Video button to start/stop recording video

June 07, 2016
11:44 AM

Video Inspection Camera

June 07, 2016

PHOTOS

VIDEOS

5
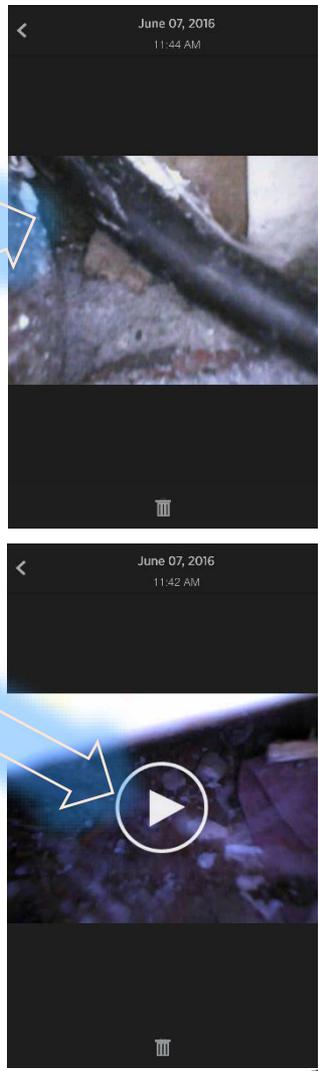
View image

2

0:00:06

1

Hit the Picture button to capture snapshots

3

Tap the Gallery

4

Tap image (top) or video (bottom) to view. Hit the Camera button at the bottom to bring up the live view.
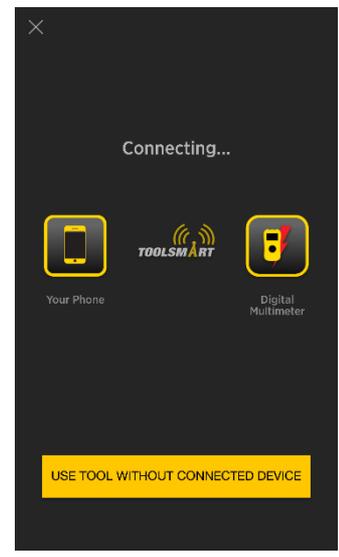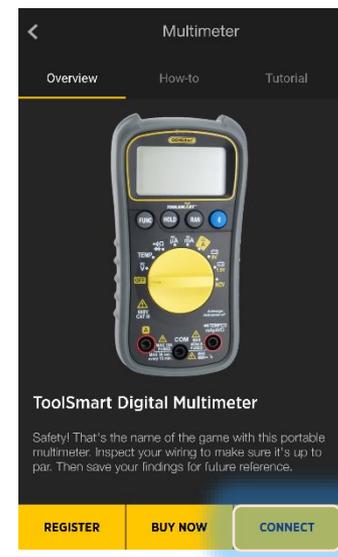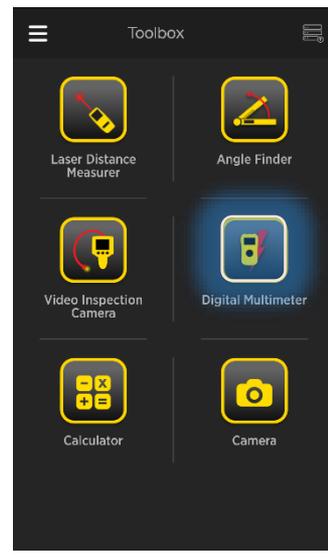
June 07, 2016
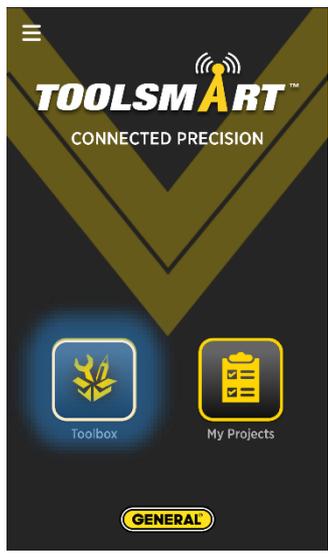11:42 AM

6

Play video

GENERAL®

Press the Bluetooth button to turn on Bluetooth. Device will beep and "B" will appear solid on screen.

2

1 Turn the yellow dial to turn on device.

3 Tap Toolbox button

4 Tap DMM button

5 Tap Connect

6 Wait for phone and DMM to pair

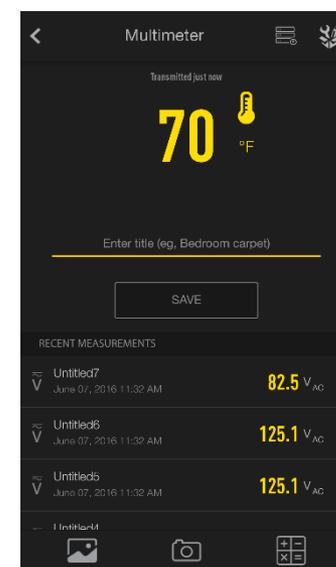# Multimeter Dashboard

TOOLSMART

Upon connecting, data will automatically stream to your phone

1

2
Press the save button to store the data

3
Set upper and lower limits to quickly tell if your measurement is out of range

4
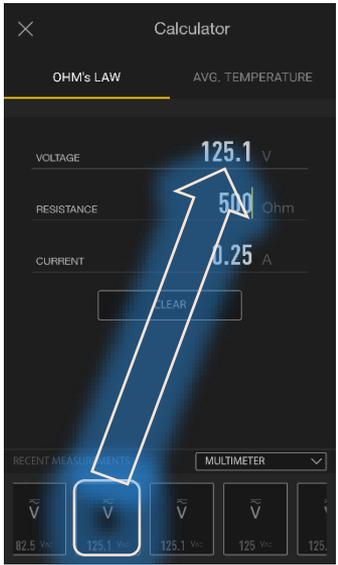As you turn the dial on the multimeter, the app screen automatically adjusts to display the current function

GENERAL®

1

Press the calculator button

2

Click and drag the measurements from the data bank below. Drop them in the above fields. Fill in any two and the third will calculate automatically. Values can also be manually typed into these fields.

3

View the results

TOOLSMART

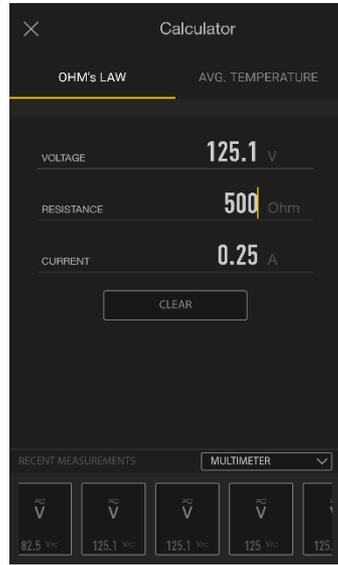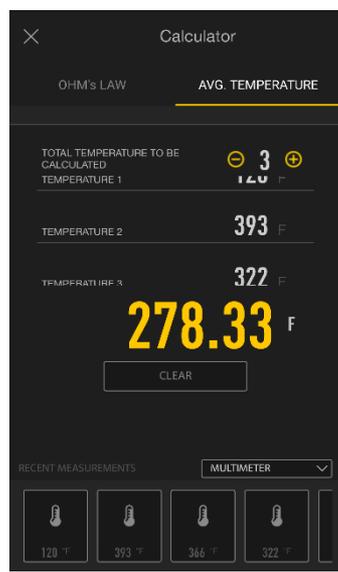Select how many
temperatures you would
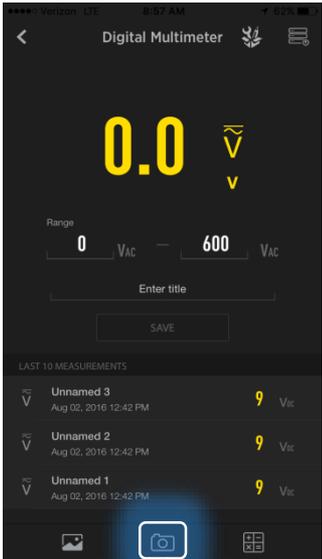like to average

1

Press the calculator
button

2

3

Click and drag the measurements from
the data bank below. Drop them in the
above fields. Values can also be manually
typed into these fields.

4

View the
results

GENERAL®

TOOLSMART

1

From the dashboard, tap the camera button in the bottom center of the screen to access the camera.

2

You could elect to take a new photo or choose one from your phone's gallery.

3

When taking a photo, tap the circular capture button on the bottom center of the screen. If necessary, tap the lightning bolt button in the top left corner of the screen to adjust the camera's flash. Tap the flip camera button in the top right corner of the screen to activate the front facing camera ("selfie mode").

4

Finally choose whether to keep the photo that was taken or retake a new photo by tapping one of those options in the bottom corners of the screen.

GENERAL®

Multimeter Picture Gallery

1 From the dashboard, tap the gallery button in the lower left corner of the screen

2 Tap the photo you would like to add your measurements to.

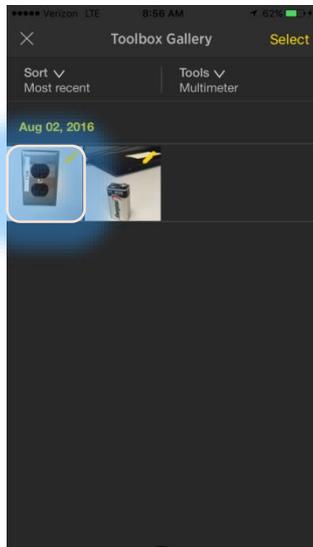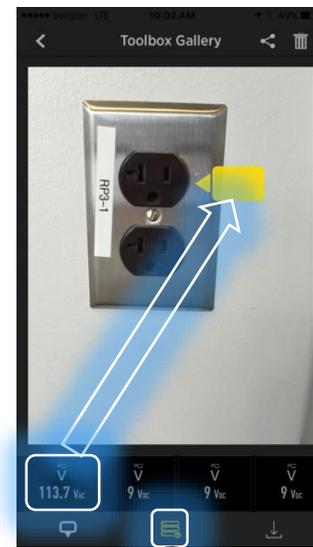**3** Tap somewhere on the picture to place a box for values to be entered. The box can be moved by tapping it and dragging it. Custom values may be entered by double tapping the box. To input previously saved measurements, see next step.

4 Tap the button on the bottom center to display your previously logged measurements. Then swipe the bar with the values to scroll through, tap and drag that value to the desired box (value is entered when the box turns orange). To change the direction of the arrow on the box, click the box so it turns orange and tap the direction you would like the arrow to point (tap outside but close to the box).
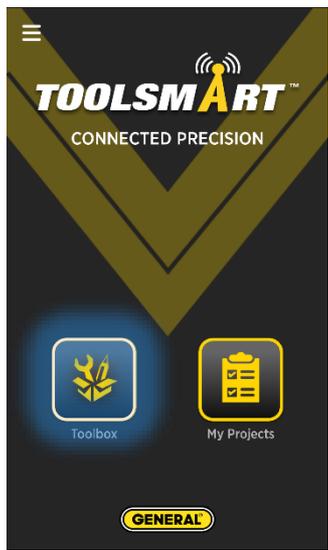
5 When all measurements are finalized, save your new picture to the gallery by tapping the save button in the bottom right corner of the page. Boxed values can be deleted by tapping them so they turn orange and hitting the "X".
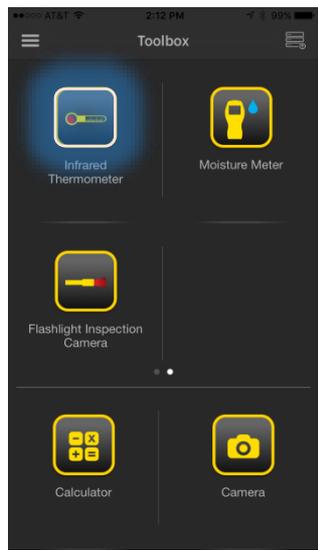
TOOLSMART

Press the yellow trigger to power on the device. "B" will start blinking at the top of the screen.

1

2

If Bluetooth "B" is not blinking on screen, long press the Bluetooth button to turn on Bluetooth. Device will beep and "B" will start blinking on screen.
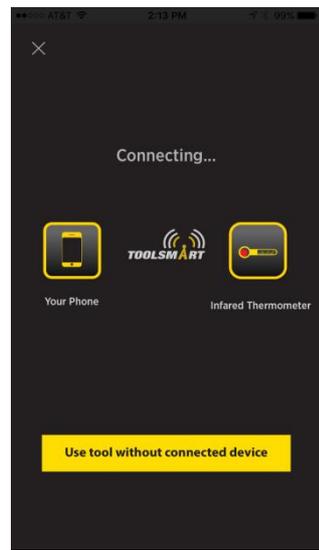
3 Tap Toolbox button

4 Tap the Infrared Thermometer button

5 Tap Connect

6 Wait for phone and Infrared Thermometer to pair

GENERAL®

1

After connecting, the app opens to the Dashboard screen
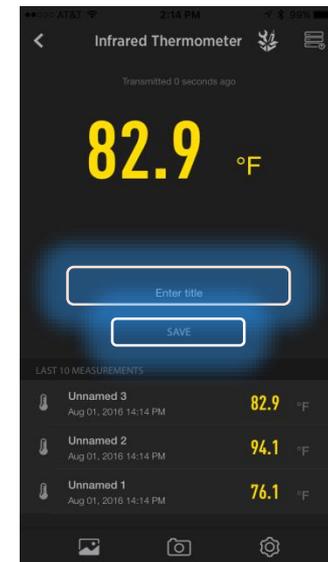

2

Short press Bluetooth button to send to phone

3
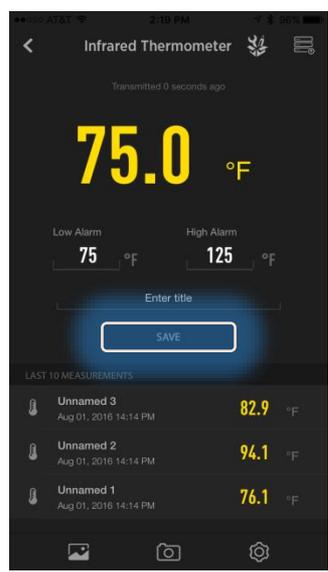
Title the measurement and press Save to store in the databank
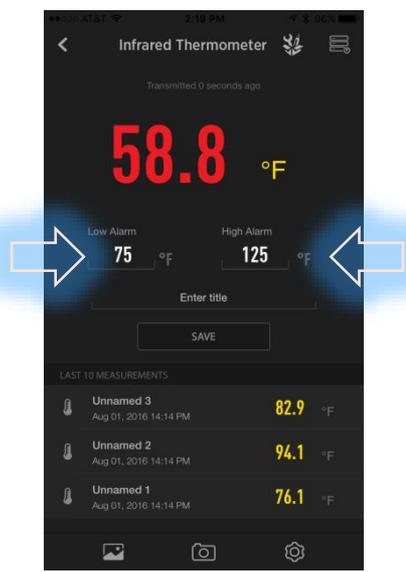
GENERAL®

TOOLSMART

1 Upon connecting, data will automatically stream to your phone

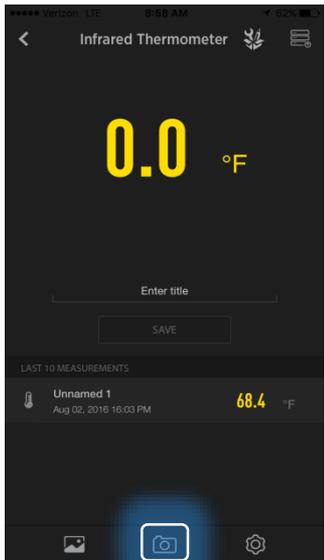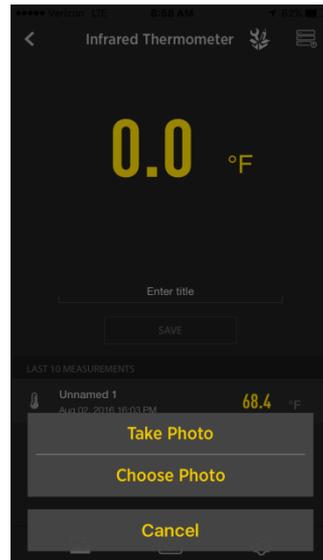**2** Press the save button to store the data

3 Set upper and lower limits to quickly tell if your measurement is out of range

GENERAL®

Taking a Picture for Infrared Thermometer

1

From the dashboard, tap the camera button in the bottom center of the screen to access the camera.

2

You could elect to take a new photo or choose one from your phone's gallery.

3

When taking a photo, tap the circular capture button on the bottom center of the screen. If necessary, tap the lightning bolt button in the top left corner of the screen to adjust the camera's flash. Tap the flip camera button in the top right corner of the screen to activate the front facing camera ("selfie mode").

4

Finally choose whether to keep the photo that was taken or retake a new photo by tapping one of those options in the bottom corners of the screen.

TOOLSMART
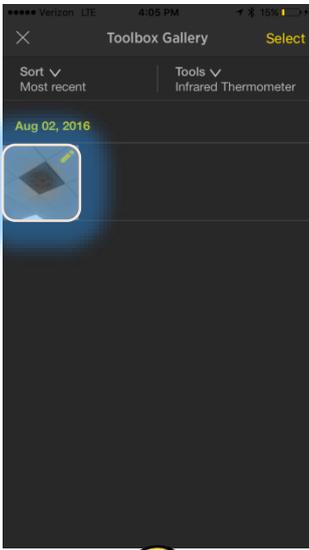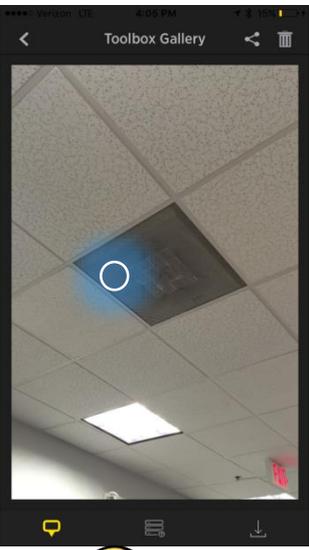

1

From the dashboard, tap the gallery button in the lower left corner of the screen
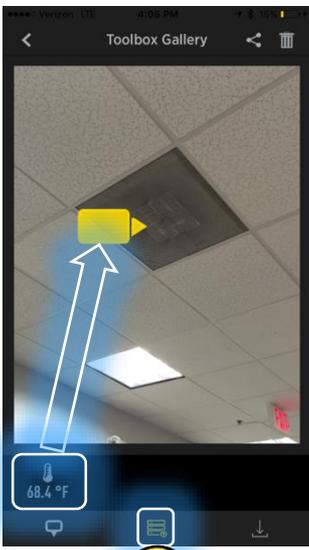
2

Tap the photo you would like to add your measurements to.

3

Tap somewhere on the picture to place a box for values to be entered. The box can be moved by tapping it and dragging it. Custom values may be entered by double tapping the box. To input previously saved measurements, see next step.

4

Tap the button on the bottom center to display your previously logged measurements. Then swipe the bar with the values to scroll through and tap and drag that value to the desired box (value is entered when the box turns orange). To change the direction of the arrow on the box, click the box so it turns orange and tap the direction you would like the arrow to point (tap outside but close to the box).
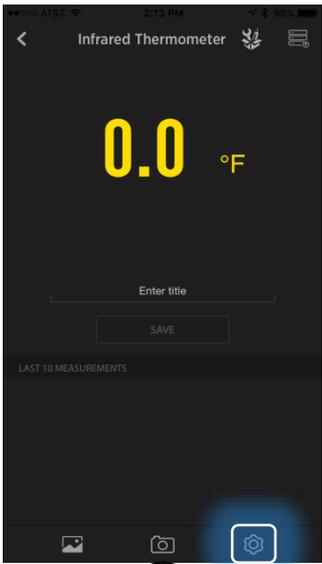
5

When all measurements are finalized, save your new picture to the gallery by tapping the save button in the bottom right corner of the page. Boxed values can be deleted by tapping them so they turn orange and hitting the "X".
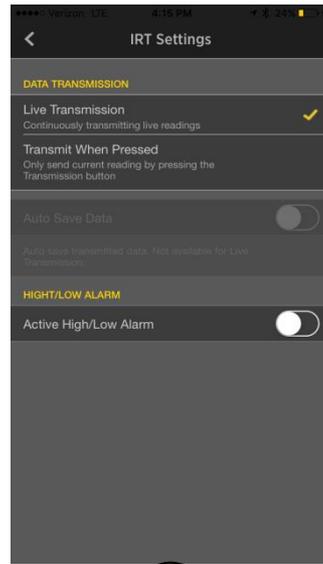
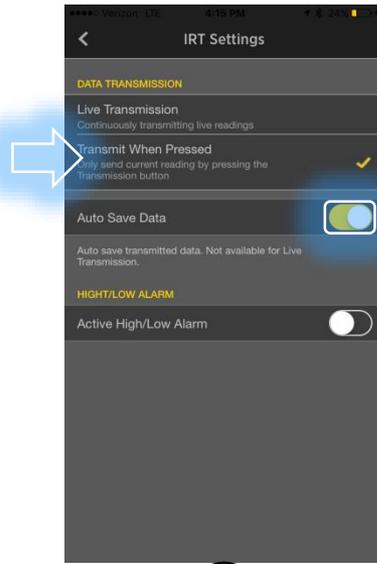**GENERAL®**

Infrared Thermometer Settings

1

From the dashboard, tap the settings button in the bottom right corner of the screen to access the infrared thermometer's settings
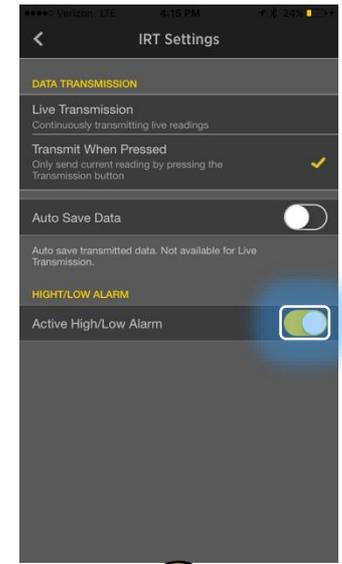
2

The default settings are set as "Live Transmission" with active high/low alarm turned off. Tap the Save button on the infrared thermometer's dashboard to save a transmitted value to the databank.

3

Click the "Transmit When Pressed" setting to transmit a measured value from the infrared thermometer to the app by clicking the Bluetooth button on the infrared thermometer. Click the auto save data button to automatically save measurements on the app without clicking the in-app save button.

4

Click the "Active High/Low Alarm" button to turn on a custom range to notify you when a value falls within or outside of the range.
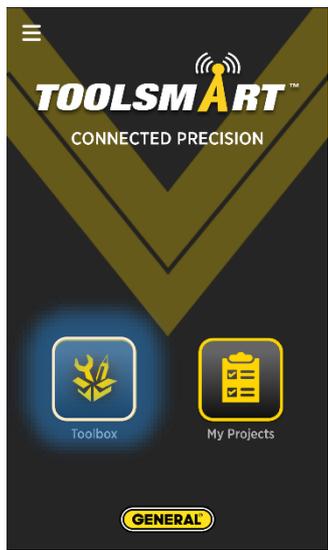
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Press the yellow power button to turn on the device.
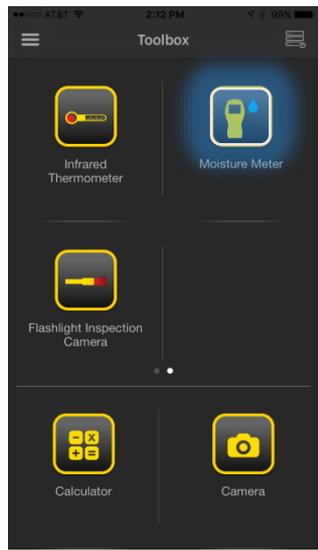
1

2 Long press the Bluetooth button to turn on Bluetooth. A "B" will start blinking on screen.
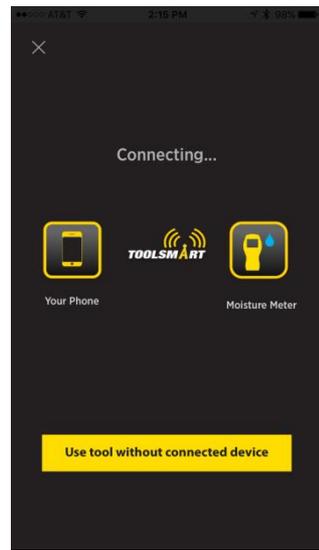
3 Tap Toolbox button

4 Tap Moisture Meter button

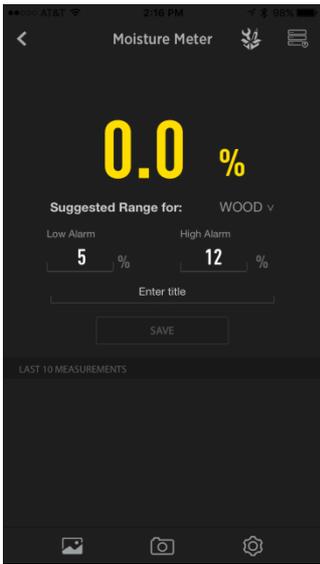**5** Tap Connect

6 Wait for phone and Moisture Meter to pair
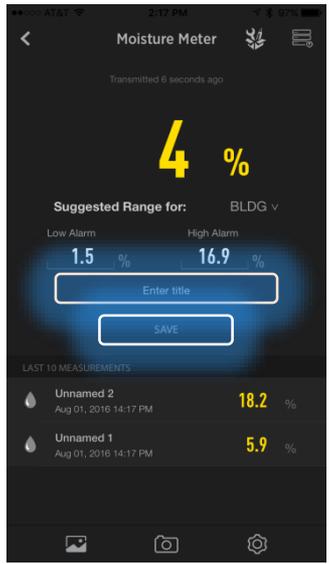
Moisture Meter Dashboard

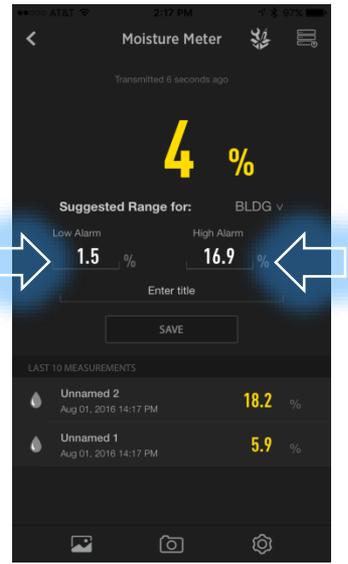**1** After connecting, the app opens to the Dashboard screen

2 Short press Bluetooth button to send to phone

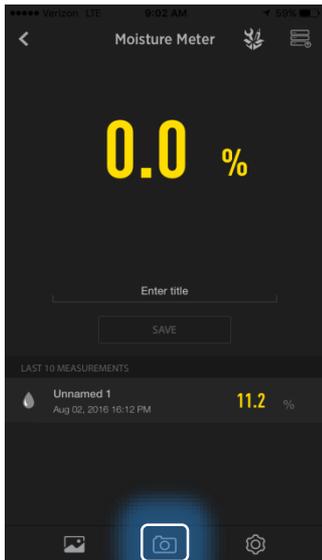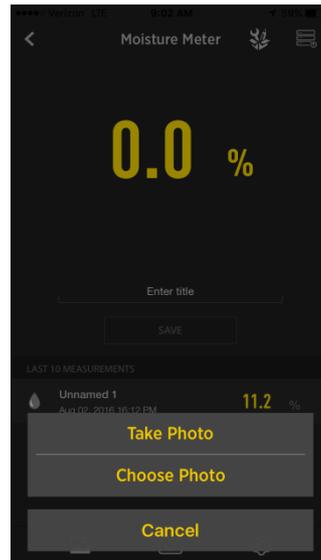**3** Title the measurement and press Save to store in the databank

4 Set upper and lower limits to quickly tell if your measurement is out of range

1

From the dashboard, tap the camera button in the bottom center of the screen to access the camera.

2

You could elect to take a new photo or choose one from your phone's gallery.

3

When taking a photo, tap the circular capture button on the bottom center of the screen. If necessary, tap the lightning bolt button in the top left corner of the screen to adjust the camera's flash. Tap the flip camera button in the top right corner of the screen to activate the front facing camera ("selfie mode").

4

Finally choose whether to keep the photo that was taken or retake a new photo by tapping one of those options in the bottom corners of the screen.

1

From the dashboard, tap the gallery button in the lower left corner of the screen

2
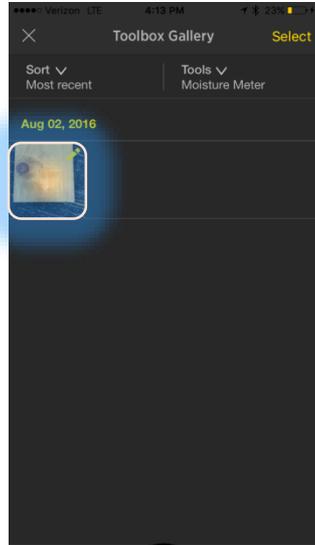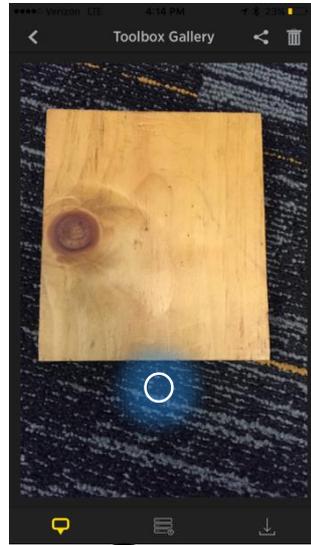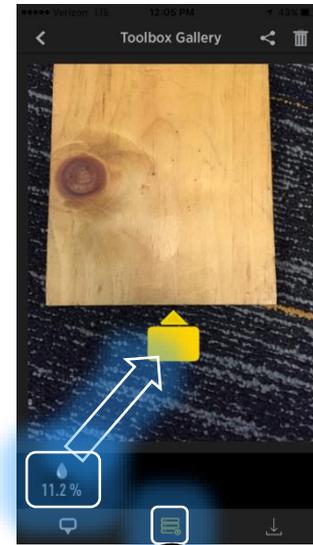
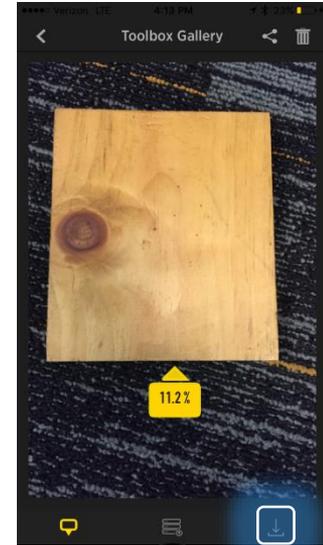Tap the photo you would like to add your measurements to.

3

Tap somewhere on the picture to place a box for values to be entered. The box can be moved by tapping it and dragging it. Custom values may be entered by double tapping the box. To input previously saved measurements, see next step.
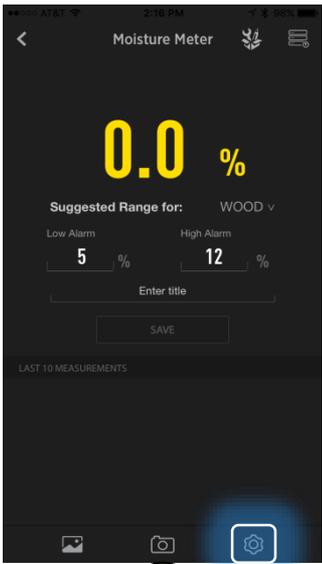
4

Tap the button on the bottom center to display your previously logged measurements. Then swipe the bar with the values to scroll through and tap and drag a value to the desired box (value is entered when the box turns orange). To change the direction of the arrow on the box, click the box so it turns orange and tap the direction you would like the arrow to point (tap outside but close to the box).
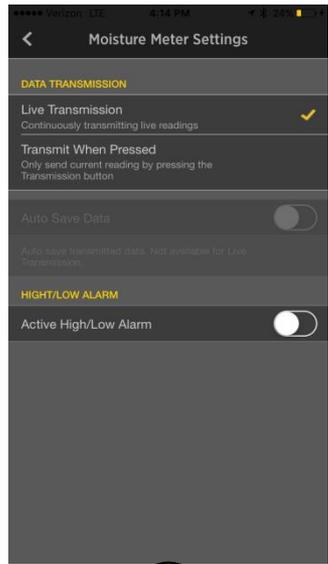
5

When all measurements are finalized, save your new picture to the gallery by tapping the save button in the bottom right corner of the page. Boxed values can be deleted by tapping them so they turn orange and hitting the "X".
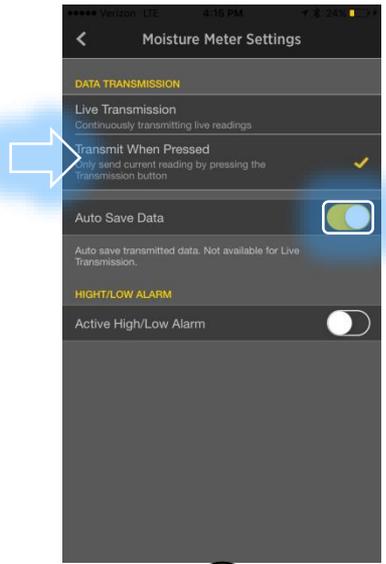
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1

From the dashboard, tap the settings button in the bottom right corner of the screen to access the moisture meter's settings.
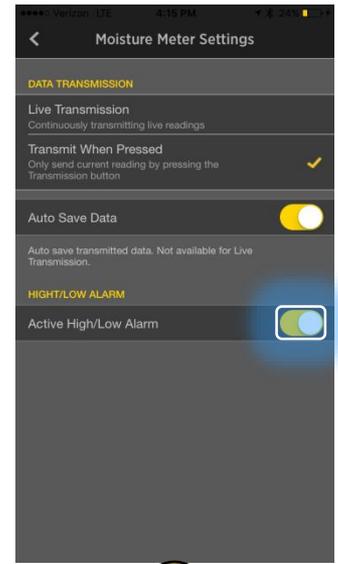
2

The default settings are set as "Live Transmission" with active high/low alarm turned off. Tap the Save button on the moisture meter's dashboard to save a transmitted value to the databank.

3

Click the "Transmit When Pressed" setting to transmit a measured value from the moisture meter to the app by clicking the Bluetooth button on the moisture meter. Click the auto save data button to automatically save measurements on the app without clicking the in-app save button.
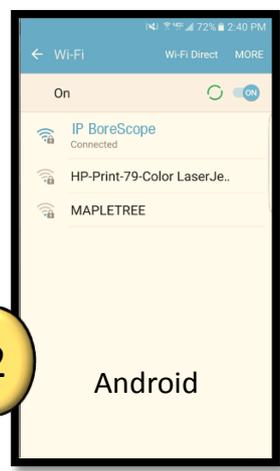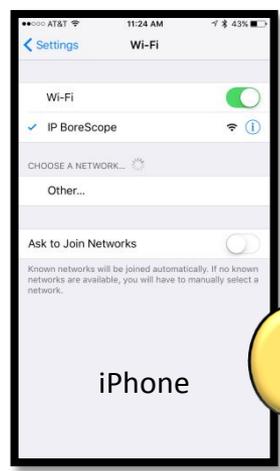
4

Click the "Active High/Low Alarm" button to turn on a custom range to notify you when a value falls within or outside of the range. The suggested ranges for WOOD and BLDG or building materials (common building materials besides solid woods) are only available while the Active High/Low Alarm is turned on.

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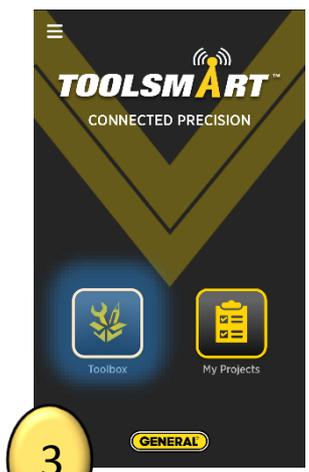
Flashlight Inspection Camera Pairing

TOOLSMART

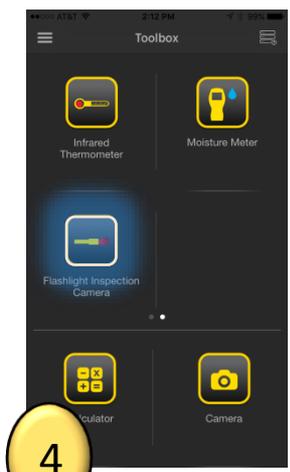**1** Long press the blue Wi-Fi button to activate the FIC's Wi-Fi. Wait for the blue light to come on after the green light comes on.

iPhone

2 Android
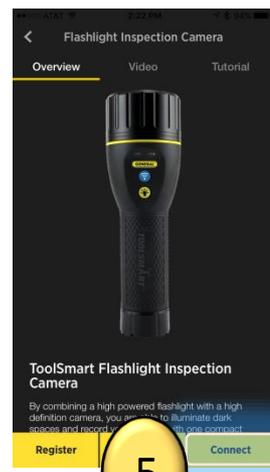
Go to Wi-Fi settings in the phone. Connect to "IP BoreScope".

3 Tap Toolbox button

4 Tap FIC button

5 Tap Connect

6 Wait for phone and FIC to pair

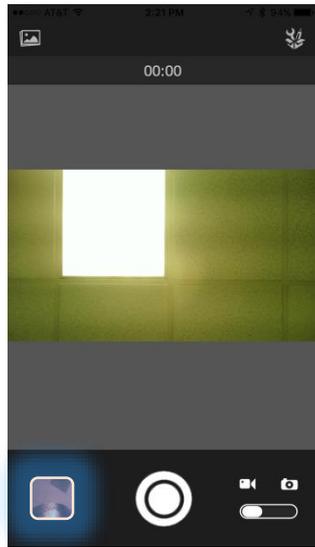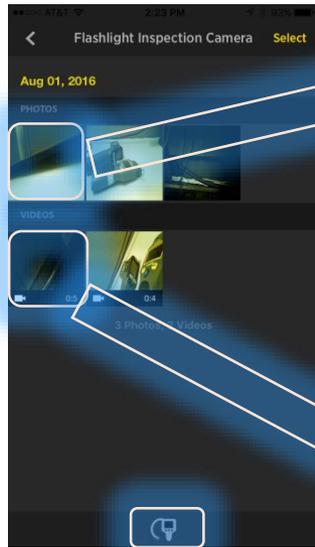**GENERAL®**

Flashlight Inspection Camera

1

Hit the capture button to take snapshots and record video. To change between picture and video tap the picture/video button to the right of the capture button.
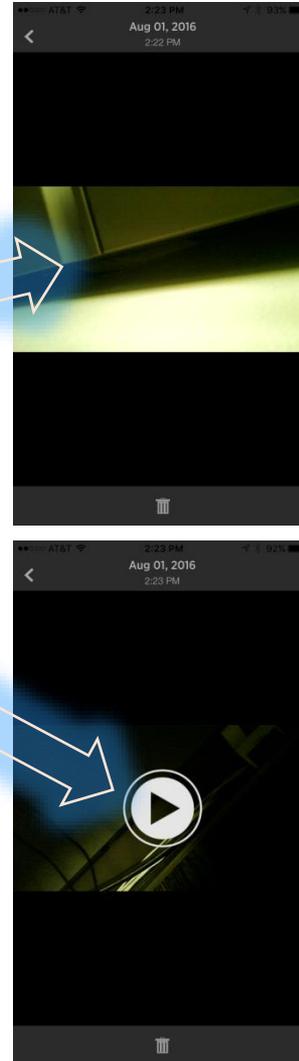
2

Tap the Gallery

3

Tap image (top) or video (bottom) to view. Hit the Camera button at the bottom to bring up the live view.
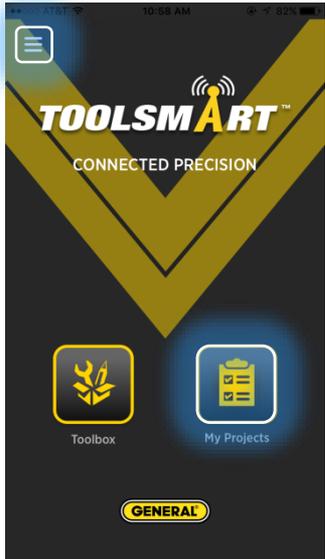
4

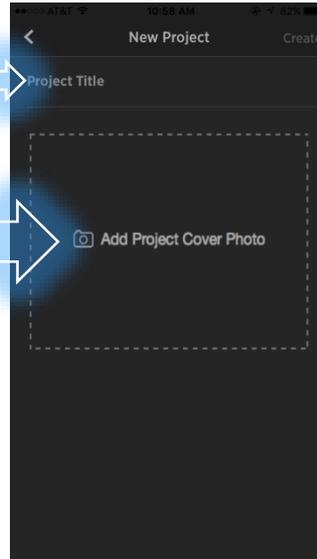View image

5

Play video

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TOOLSMART

1

From the homepage, tap the my projects button to access your library of projects or to create a new one (you can also access my projects by tapping the triple bar button in the top left corner of the screen and tapping the my projects button from there).

2

Tap the yellow plus button in the top right corner of the screen to create a new project.

3

Tap the Project Title line to give your new project a name. Tap the Add Project Cover Photo box to add a cover photo for your project (your project must have a title but it does not need a cover photo).

4

If you decide to add a cover photo, you can either take a new photo with your camera or choose an already existing photo from your phone's gallery.

5

Tap on your newly created project to open it.

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My Projects Homepage Navigation

1

From this project's homepage, you can navigate to the toolbox by tapping the Tools button, the data bank of measurements by tapping the Data Bank button, the image/video gallery by tapping the Image/Video button, and the materials estimation page by tapping the Materials button.

2

After tapping the Toolbox button, you will be brought to the toolbox page where you can access any of the Toolsmart tools.

3

From the Databank, you can view your previously saved measurements from the LDM, angle finder, multimeter, IRT, or the moisture meter. By tapping the dropdown tools button, you can choose to view measurements from all tools or only specific ones.

4

By tapping the Image/Video button you will be directed to this project's gallery. Only pictures taken by tools that were accessed through this project's toolbox will be visible in this gallery. Pictures and videos from another project's toolbox or the universal toolbox will not show up here.

5

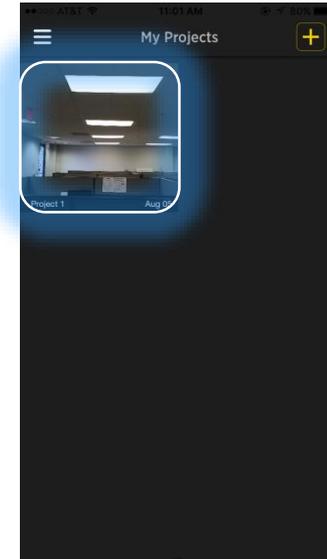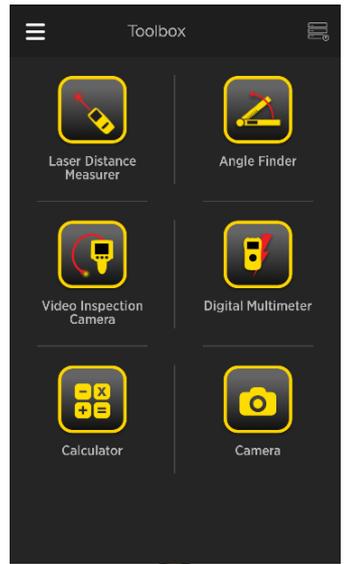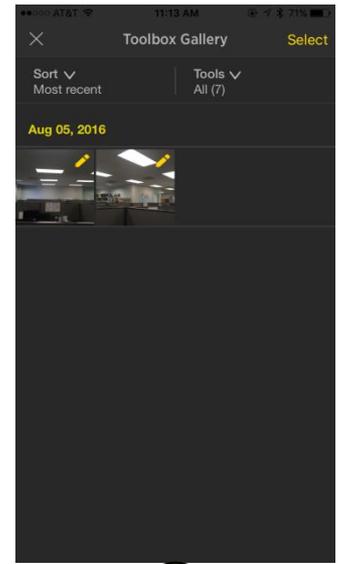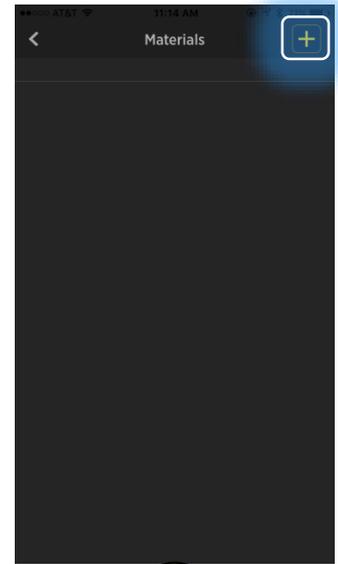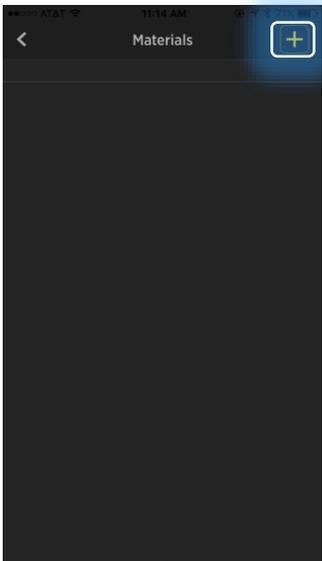From the materials page, tap the yellow plus button in the top right corner of the screen to add a material estimation.
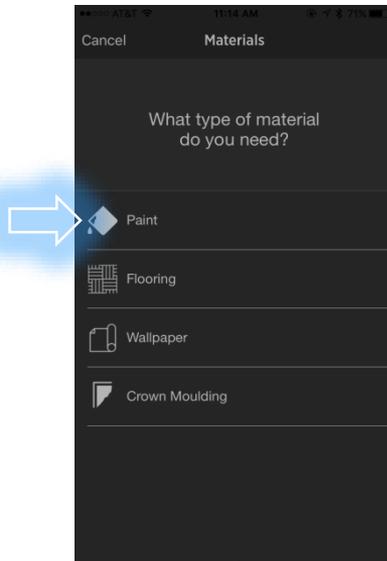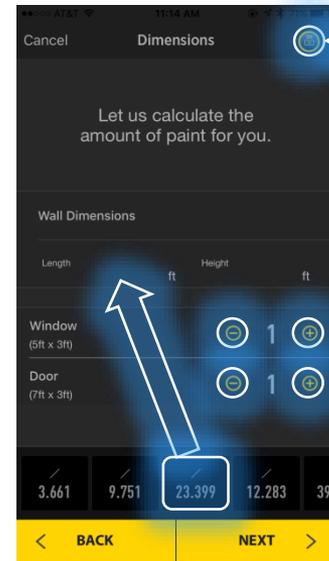
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TOOLSMART

1

From the materials page, tap the yellow plus button in the top right corner of the screen to add a material estimation.

2

Choose which material you would like to make an estimation for based on LDM measurements. In this case we will choose paint but the process is similar for all materials.
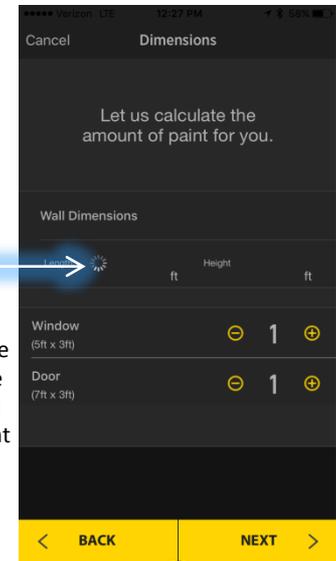
3

Tap and drag previously recorded measurements from the bottom bar to the length and height section under Wall Dimensions. Tap the yellow + and – symbols to increase/decrease the number of windows and doors that are on the walls where paint is needed. Wall dimensions can also be entered manually.

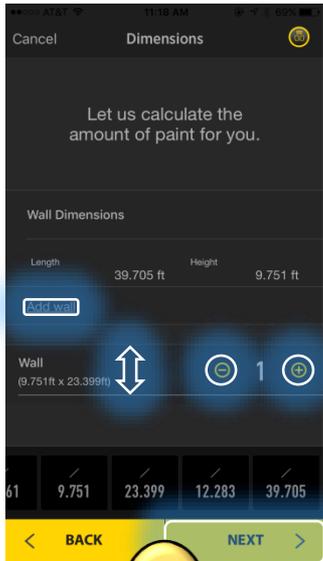Tap this button to connect the LDM to make more measurements

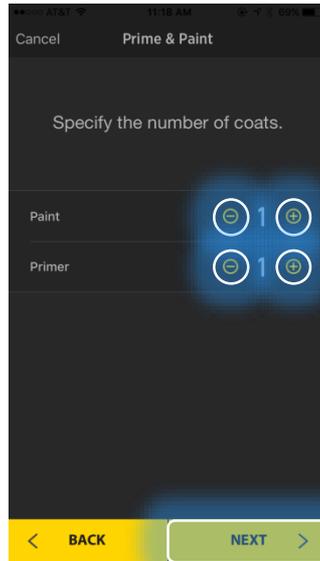Loading circle awaiting the transmitted measurement

4

Values can also be entered via direct transmission from the LDM. To do this, tap on either the length or height section. A spinning loading circle will appear for the section you tapped. Take a measurement with the LDM and transmit it to the wall dimensions by pressing the "Bluetooth" button on the LDM (make sure the LDM is connected).
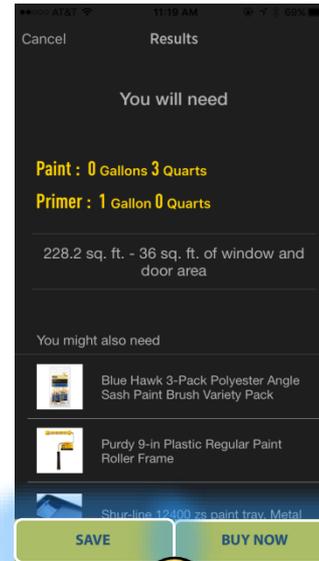
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1

After the first wall's dimensions are entered, tap the "Add Wall" button to log those dimensions. You can increase/decrease the number of walls with these dimensions by tapping the yellow + and – buttons for "Wall" which is above "Window" and "Door" (scroll up and down to find "Wall", "Window", or "Door" if not visible). More wall dimensions can be added in the same manner. Tap next to continue.
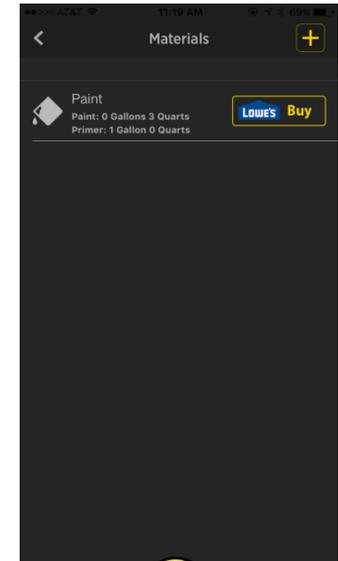
2

Tap the yellow + and – buttons to increase / decrease the coats of paint and primer to be used on the selected walls. Tap next to continue.

3

The app outputs the estimated amount of paint and primer needed for the area of the walls while accounting for the windows and doors that will not be painted. Save your material estimation by tapping the "Save" button. Hit "Buy Now" visit Lowe's website to purchase the material needed for your project along with some suggested items to help you complete the job.

4

If saved, the materials estimation will appear in the materials library.

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