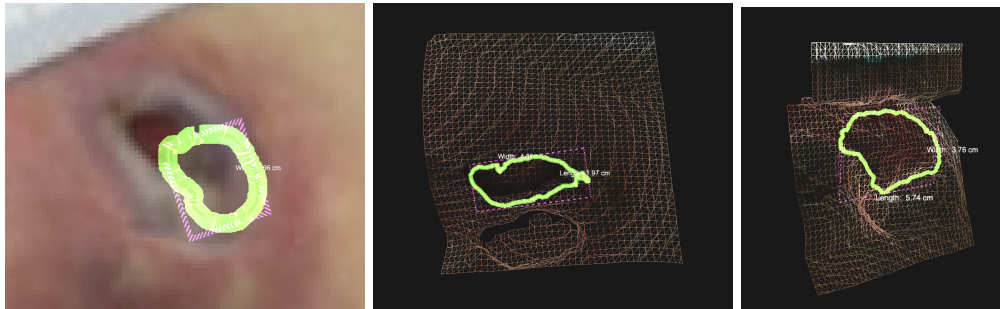




Calibrating 3D Sensor

The first time you install the Structure Sensor on an iPad, and whenever you notice a misalignment between the texture of the wound and the scanned 3D topography, you should proceed with a calibration of the device. Calibration means that 3D depth feed from the Structure Sensor accessory is fully-aligned with the color feed from your iPad camera. This is important for accurate wound measurements as the area you designate to measure will fully align with the underlying surface topography.

Examples of Visible Misalignment



How to Calibrate

- Make sure the sensor is attached properly to the device. The bracket should be flush with the device and firmly latched. The lightning cable should be connected to the sensor and your device and the sensor should be charged.
- Install the [Calibrator app](#) which is available on the App Store. This app calibrates the precise alignment between your Structure Sensor and the device's camera.

Download App here:



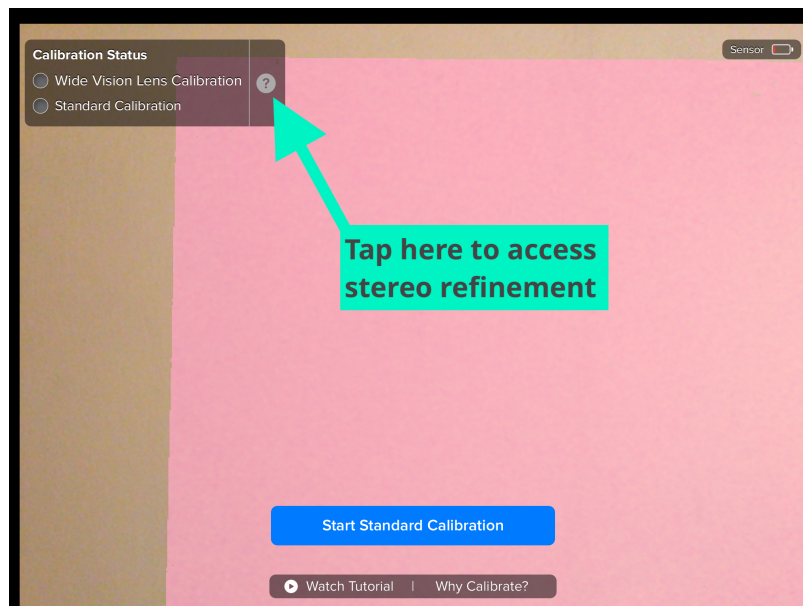
or by searching the App Store for: **Structure Sensor Calibrator**

- Open the Calibrator app and follow the on-screen instructions. The app will walk you through the process of calibration.
- In the first step, you will be asked to move to an area with plenty of sunlight and pan the device slowly as instructed by the app. If you are unable to find an area with adequate sunlight, use an area with bright artificial light. You will want to scan object(s) with high levels of detail such as text and complex textures. The details will provide reference points for calibration so the higher the detail, the easier the calibration process will be.
- In the second step, you will be asked to scan an object inside. The sensor and the device camera creates two separate images of the same object and you will have to align them. Alignment is done by touching the screen and dragging the images as needed.
- You are ready to use the sensor with the Parable app

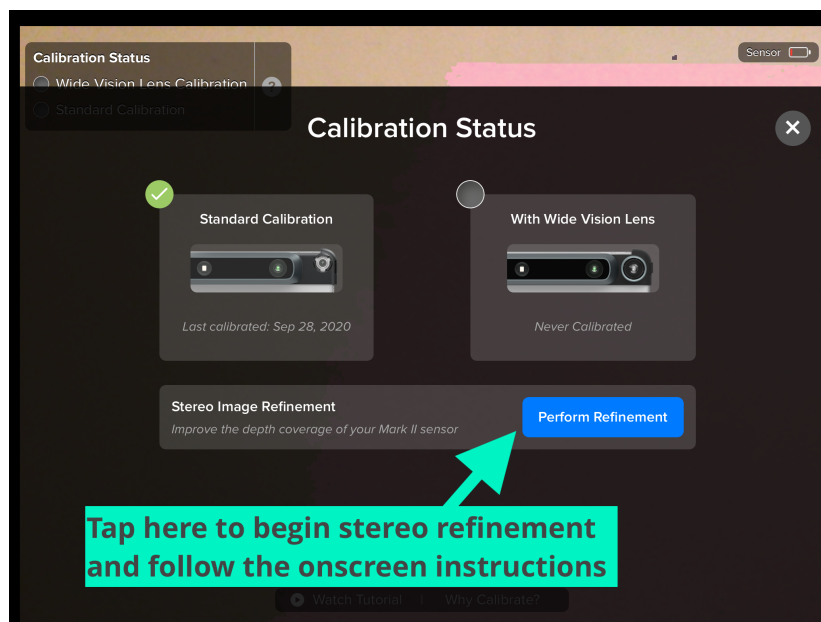
3D Sensor Stereo Image Refinement Procedure

Any sensors that are experiencing poor depth, spotty / inconsistent depth, flickering depth data or loss of tracking should use the Stereo Image Refinement feature in [Calibrator](#) (under the ? button) to restore depth. You may have to update your Calibrator app if you do not see the ? button (the newer calibrator app is all around better). Here are two screenshots illustrating how to begin this process, after which point you should follow the onscreen instructions.

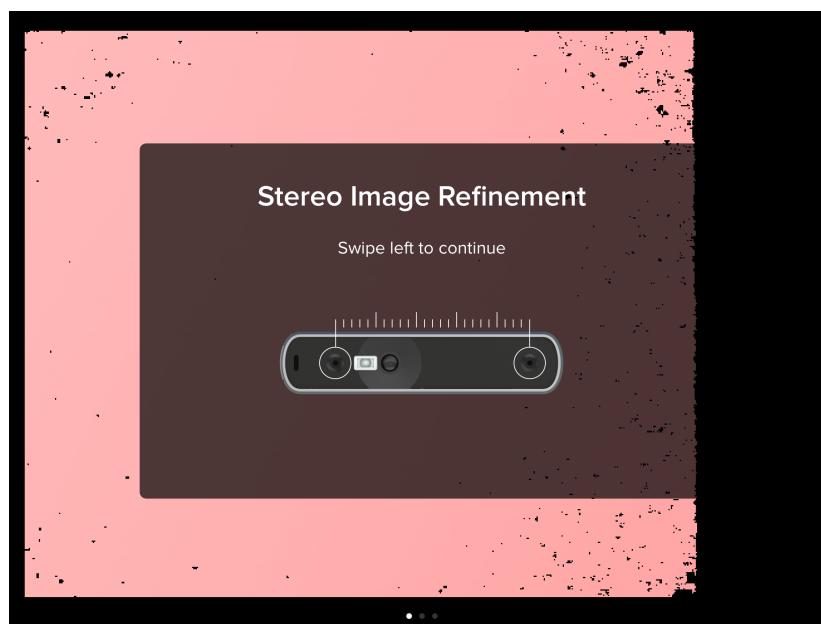
Launch the Calibrator app and tap the question mark icon in top left:



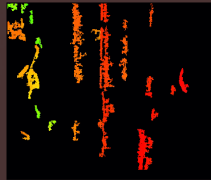
In the Calibration Status modal that appears, tap the *Perform Refinement* button to launch the automated Stereo Image Refinement tool:



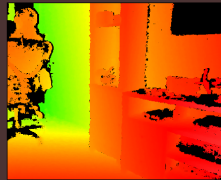
Follow the on-screen instructions to resolve internal hardware misalignment problems in the sensor that may have arisen from drops or disturbances during usage or shipping:



Due to long-term use or rough handling in transit the infrared camera pair in your Structure Sensor may become misaligned.



Misaligned Sensor



Aligned Sensor



Stereo Image Refinement is an automated process.

Find a flat, empty wall indoors and away from sunlight. Face your sensor perpendicular to the wall and stand back approximately 1.2m (4ft).



Incorrect ❌



Correct ✅

Start Refinement

Cancel Calibration

