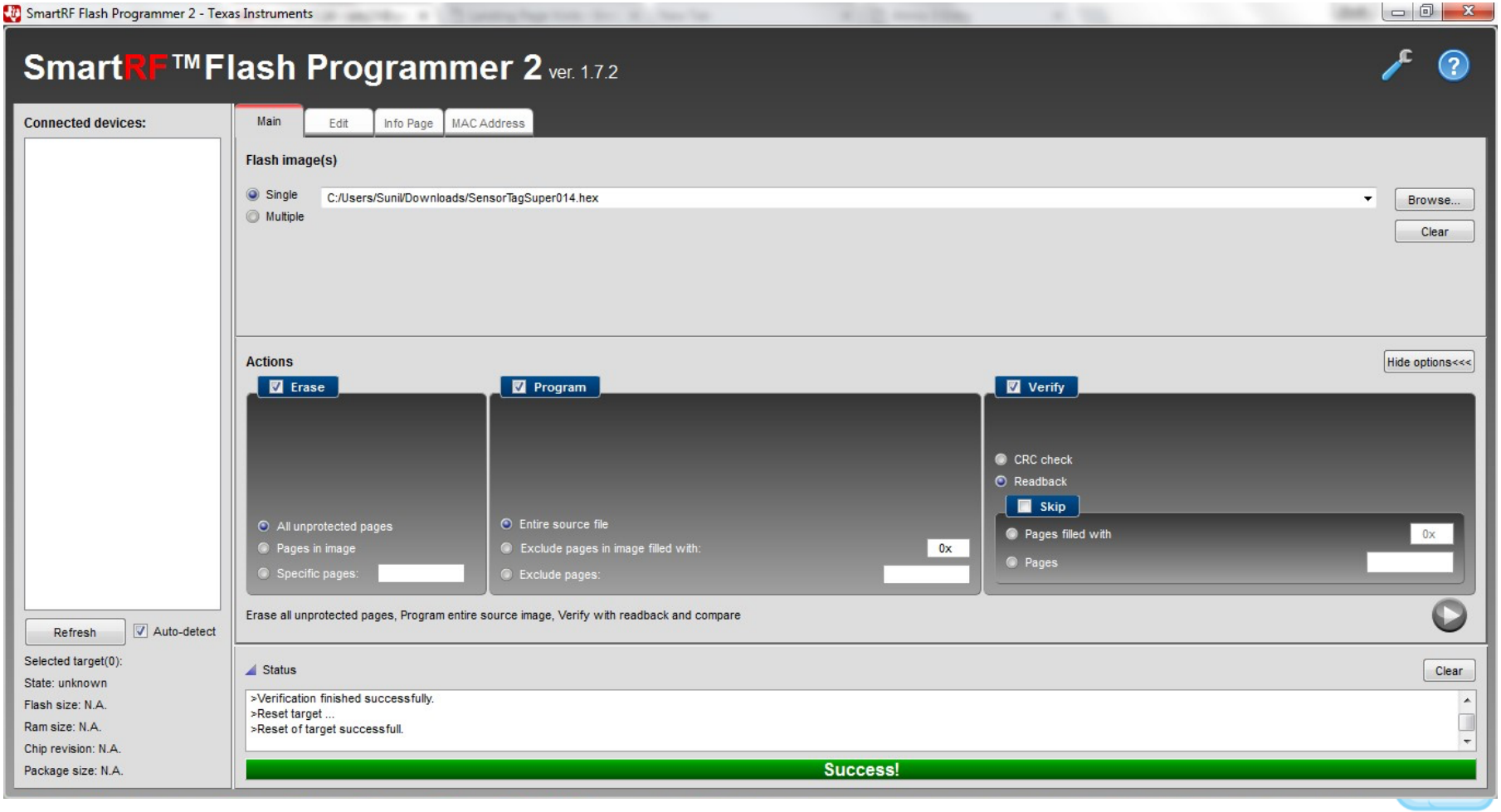
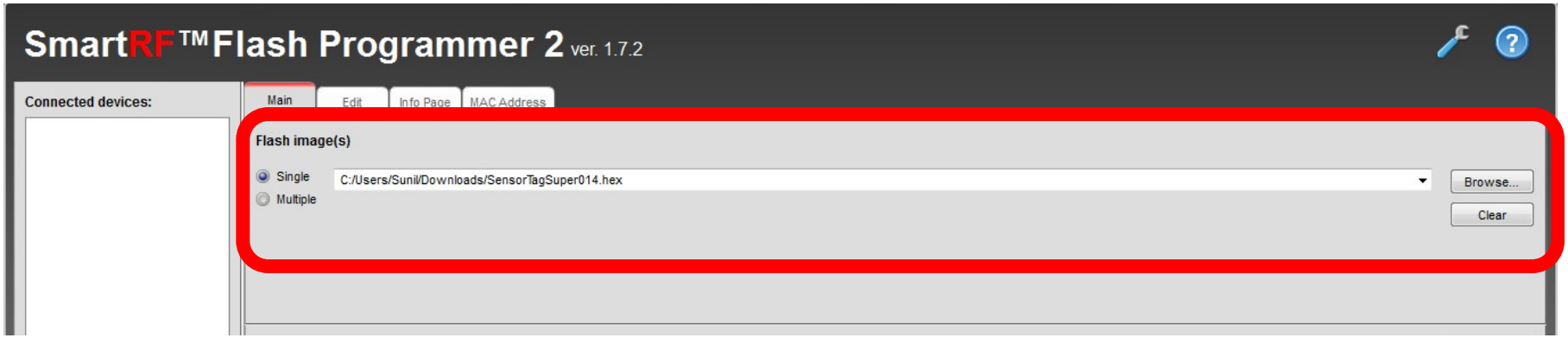
Using the TI Sensor Tag (CC2650STK)

Programming the enmo Firmware

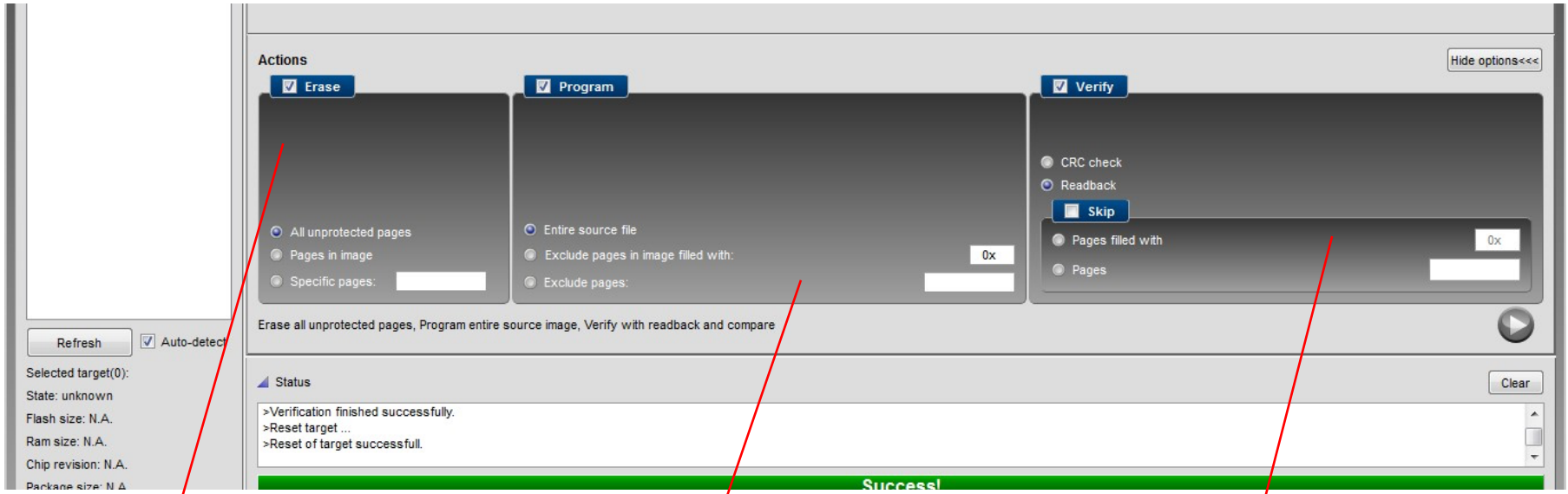
Download & Launch TI SmartRF Flash Programmer 2 SW



Select enmo Firmware File



Select Programming Options

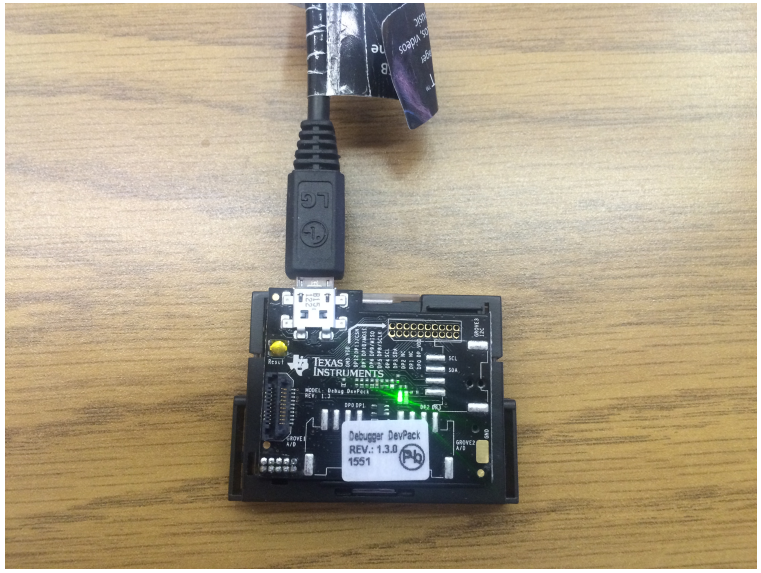


Check “Erase” box
Select “All Unprotected Pages”

Check “Program” box
Select “Entire Source File”

Check “Verify” box
Select “Readback” box, but don’t select “Skip”

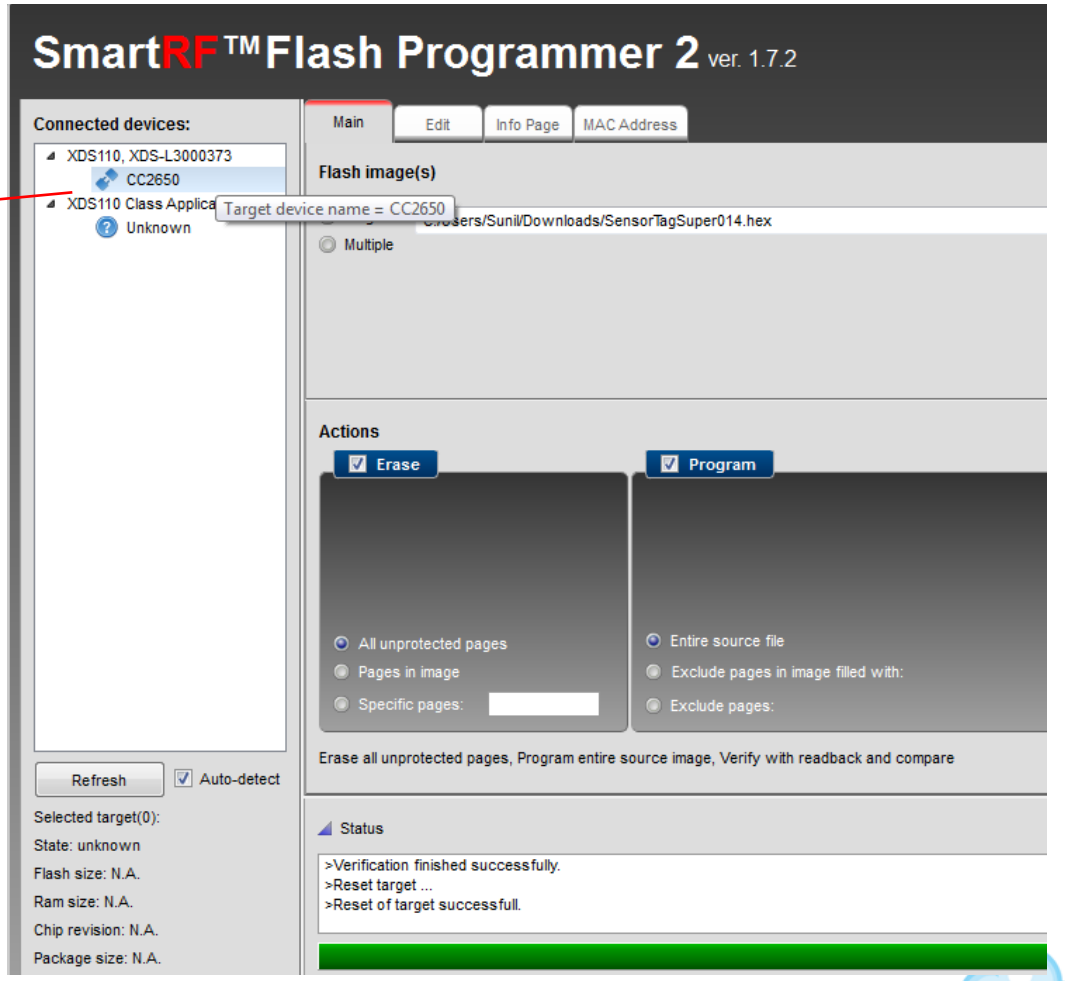
Connect Sensor Tag w/DevPack to PC



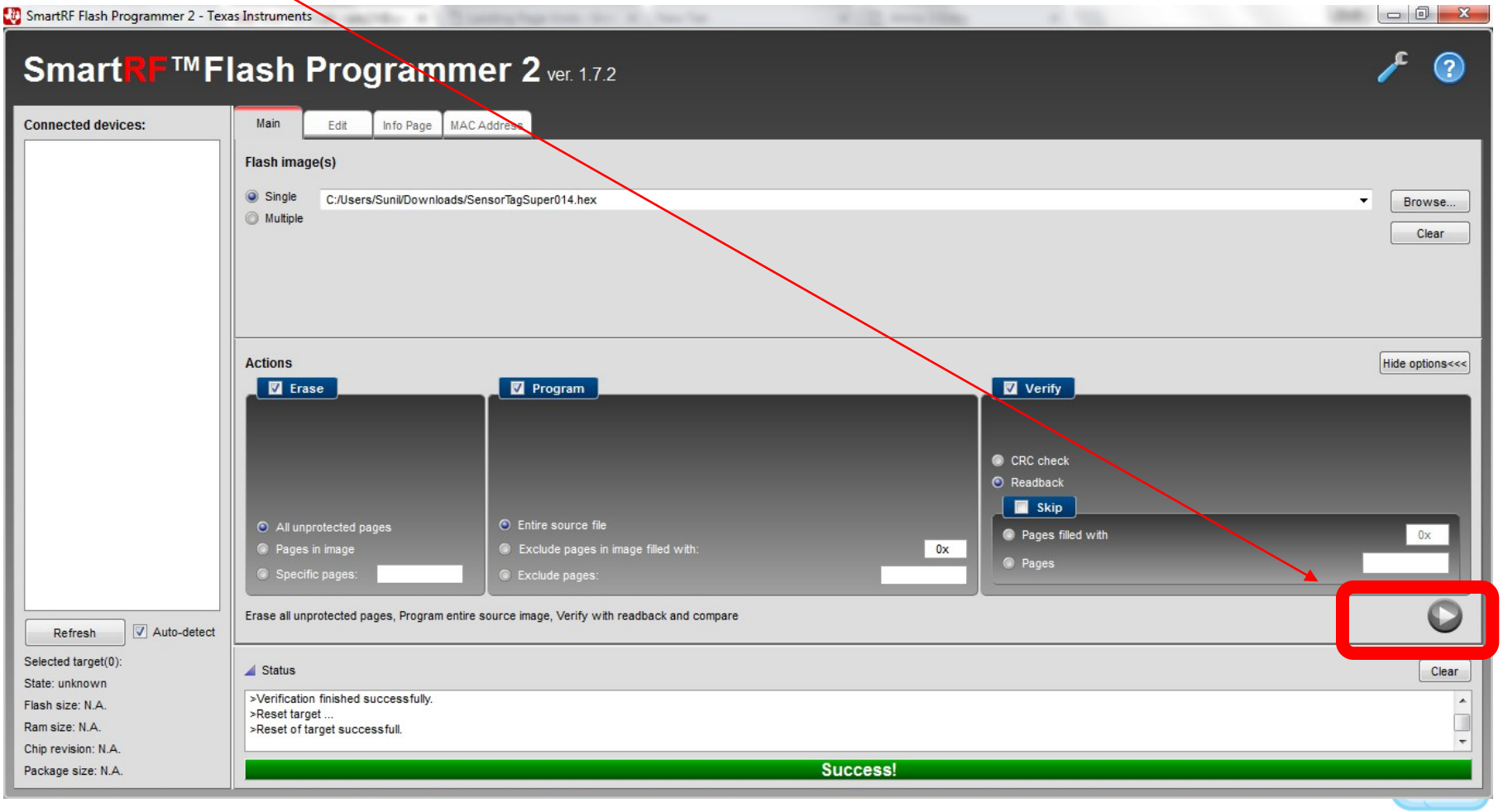
Connect Sensor Tag w/DevPack to PC

Your Sensor Tag will show up in left hand side list.

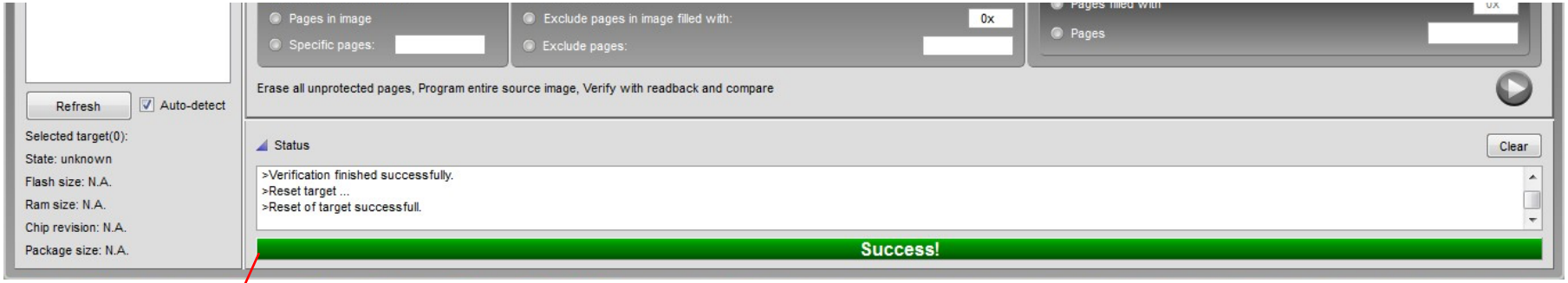
Select it.



GO!



Done Programming



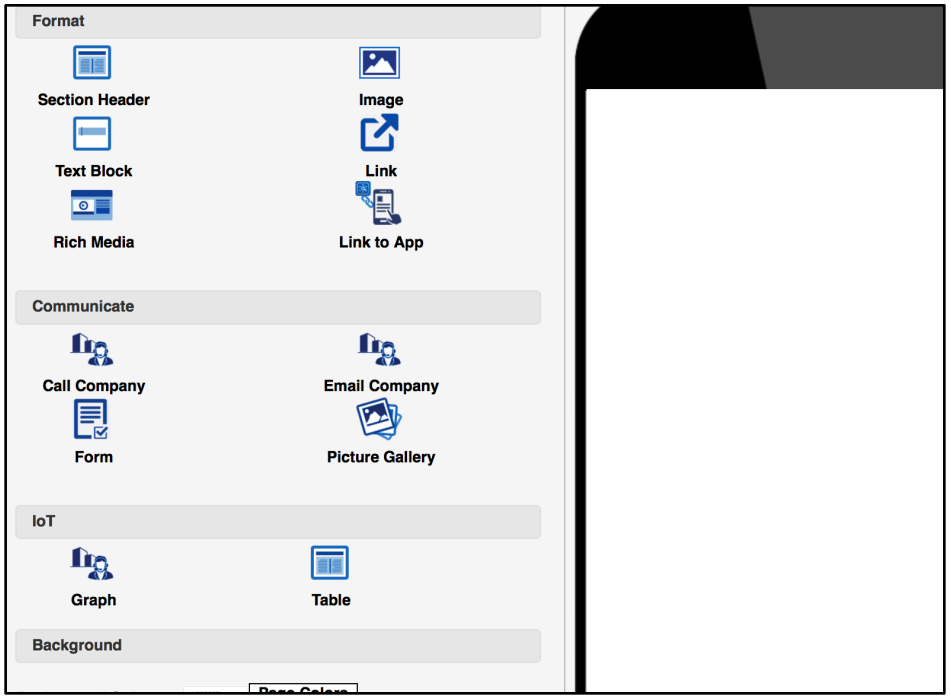
Green Success Bar means it worked!

You can disconnect the DevPack from the Sensor Tag

Using the TI Sensor Tag

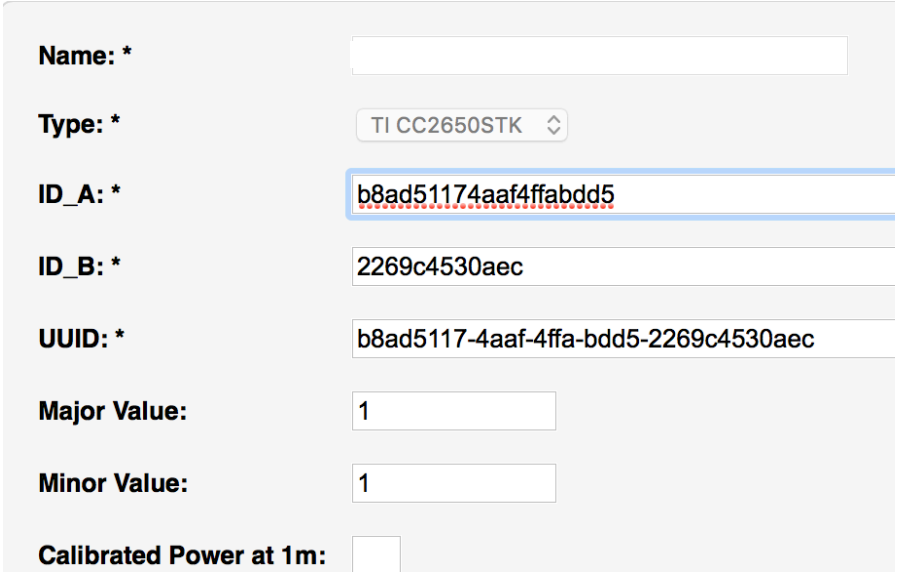
enmo Platform – Create Landing Page

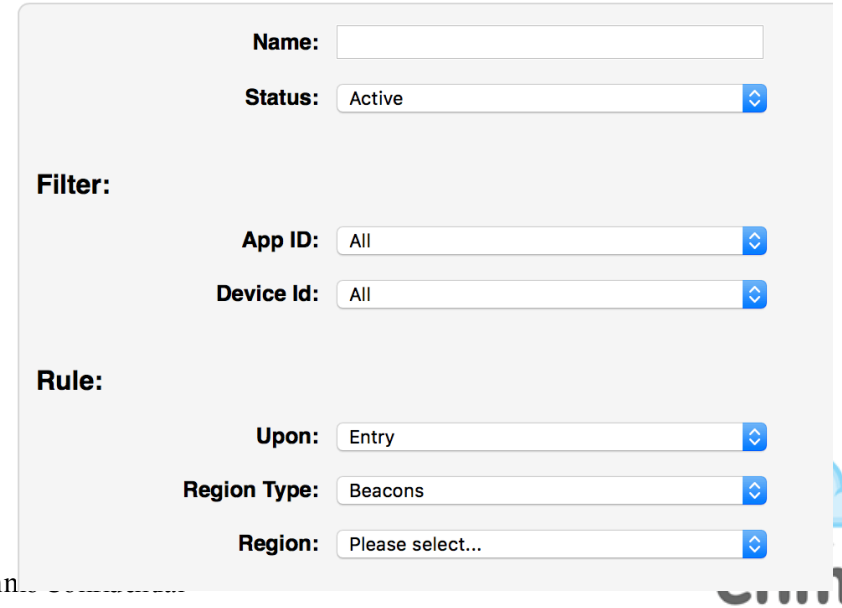
- Set Background Message (to be shown in App as local message when App is in the Background)
- Create content to be shown when App is in the Foreground
  - IoT-specific elements are ”Graph” and “Table” – you can put multiple of these elements on a landing page
  - You can also send captured IoT data to your Endpoint using Post and populate content from your Endpoint using Get



enmo Platform – Create IoT Region & Rule

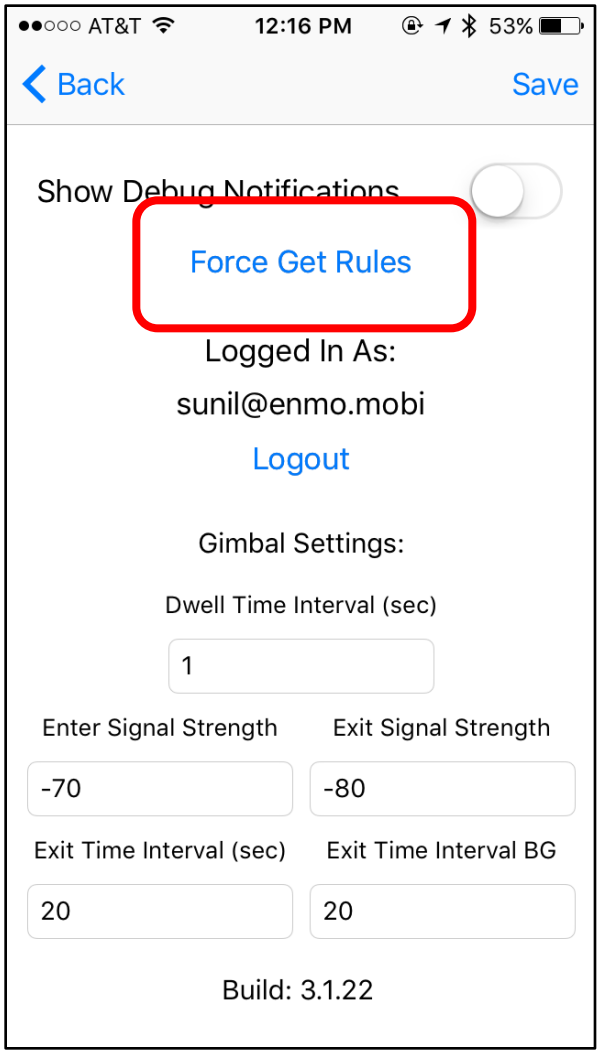
- Create IoT Region:
  - ID_A: b8ad51174aaf4ffabdd5
  - ID_B: 2269c4530aec
  - UUID: b8ad5117-4aaf-4ffa-bdd5-2269c4530aec
  - Major: 1
  - Minor: 1
- Create rule





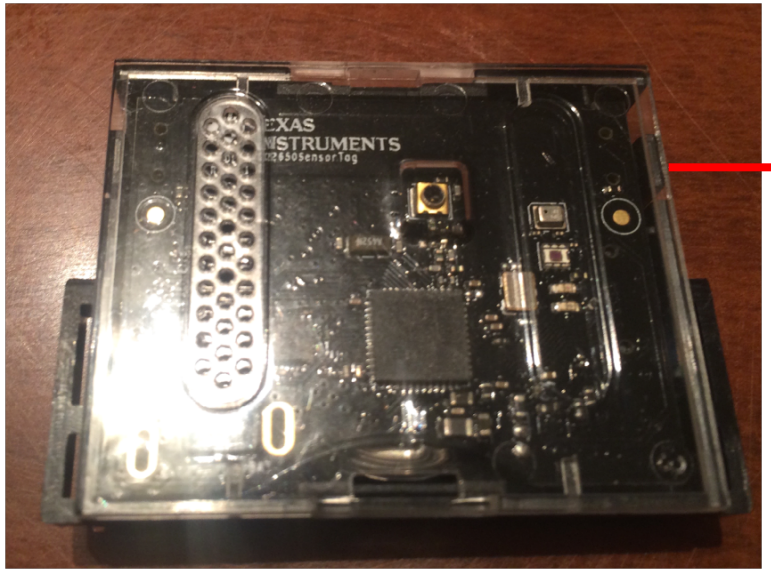
enmo App

1. Go to Settings in App and Tap “Force Get Rules”
   - Your rules will be pushed to the App

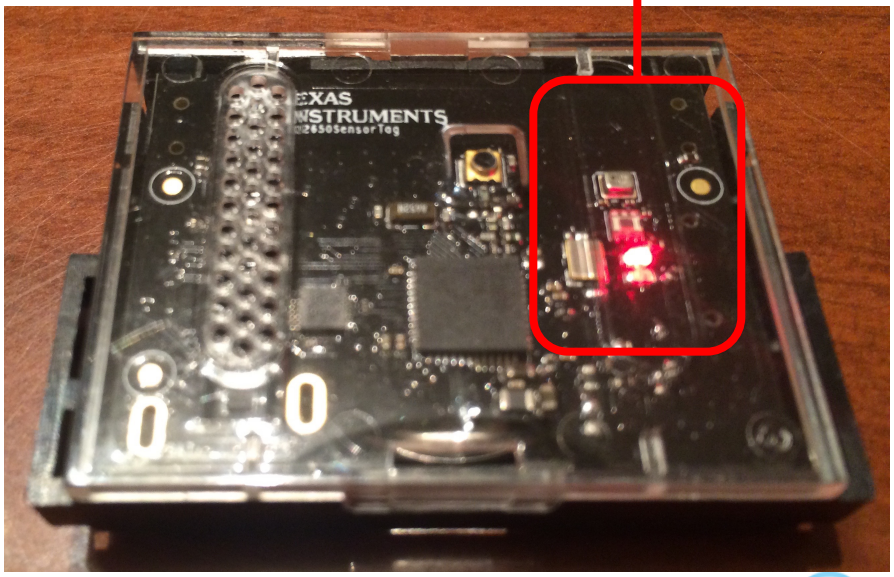


Push Button on Right Side of Sensor Tag to Start Data Logging

Push This Button to Start Data Logging



Red Light Will Blink to Indicate Data is Being Logged



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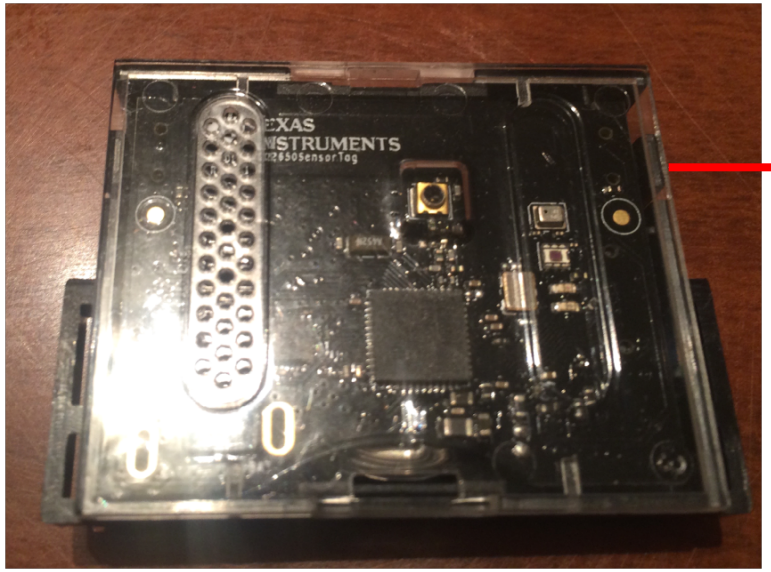
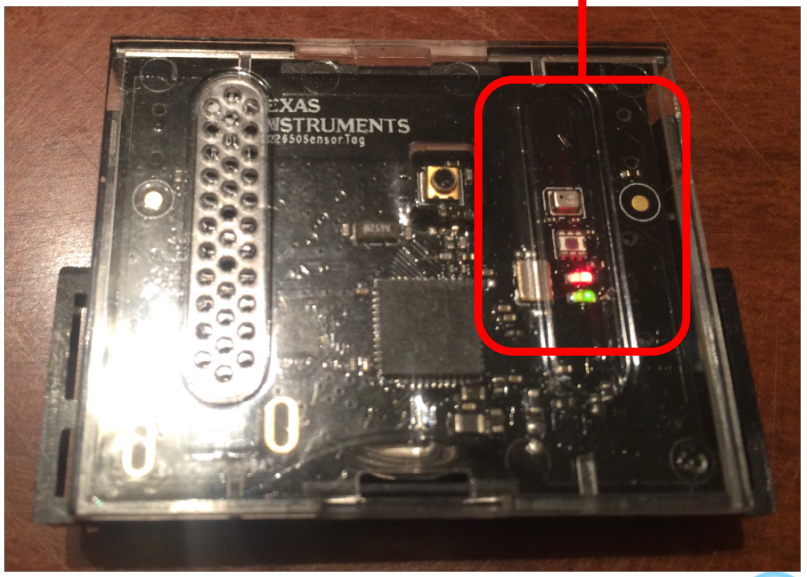
Push Button on Right Side Button Again to Start Data Logging

Push This Button to Stop Data Logging



Both Red & Green Lights Will Blink to Indicate Data is Being Read by App



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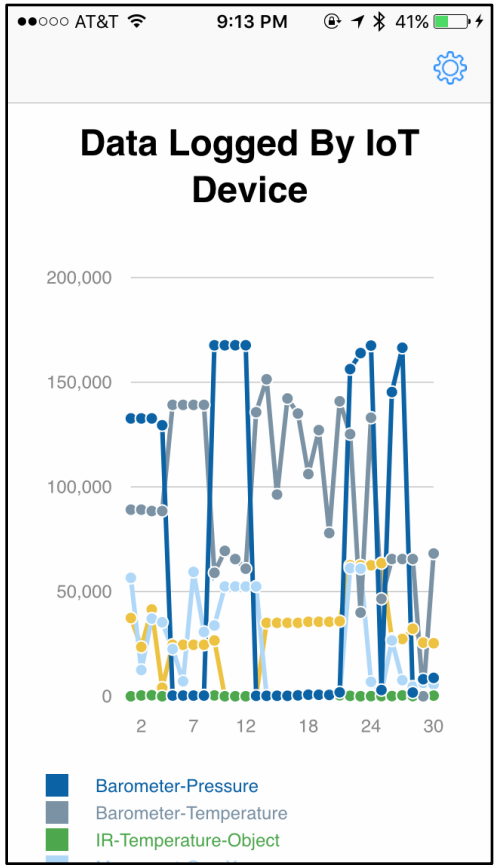
Your Landing Page Will Display After Red & Green Lights Stop Blinking



- Need to change what's displayed in the landing page?
- Just revise it in the enmo Platform and capture data again
- Iterate as often as you'd like

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Notes

1. Be sure to wait ~30-seconds after landing page is displayed before starting data logging again
   - Capturing of IoT data by the App is triggered by the IoT device transmitting as a Beacon generating an “Entry” on the phone
   - An “Exit” on the Beacon needs to occur before the next Entry can be detected
   - An Exit takes ~30-seconds to be detected by the phone, hence the 30-sec wait time mentioned above
2. enmo’s initial TI firmware release supports capturing 51 records
   - Data will wrap after 51st record

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FAQ

- Can TI data be read when the enmo App is in the background:
  - Yes, TI data will be read even if App is in the background (screen can be active or off, black screen)
  - If you setup your rule according, you'll see the local message you setup in the landing page
  - When you bring the enmo App into the foreground, you'll see the actual landing page

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