

GoPxL Anomaly Detector Dongle



Quick Start Guide

Getting Started with GoPxL Anomaly Detector

Congratulations on purchasing GoPxL Anomaly Detector! This Quick Start Guide provides you with the resources to get you started.

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Required Hardware with GoPxL Anomaly Detector

GoPxL Anomaly Detector requires the purchase and use of a license dongle, seen below.



In addition, you need a GoMax NX, ORIN, or ORIN+ Smart Vision Accelerator, as well as one or more Gocator sensors: **these products are sold separately!** For more information on these products, see their Quick Start guides and user manuals.

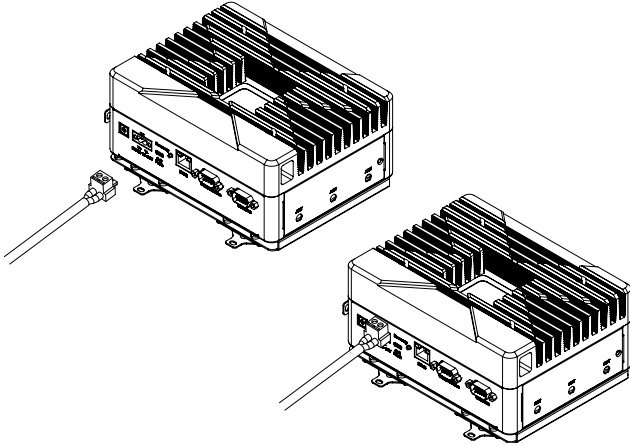


Connecting Power

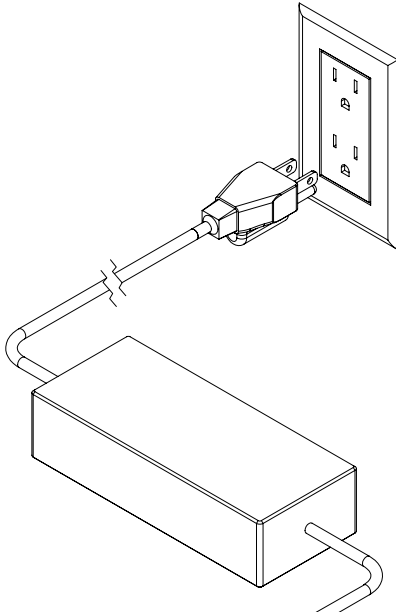
To begin, connect the power to the GoMax unit.

WARNING: Use only the provided power supply with the GoMax unit. Using a higher voltage power supply will damage the unit.

1. Connect the power supply connector to the unit.



2. Plug the power adapter into an available electrical outlet.

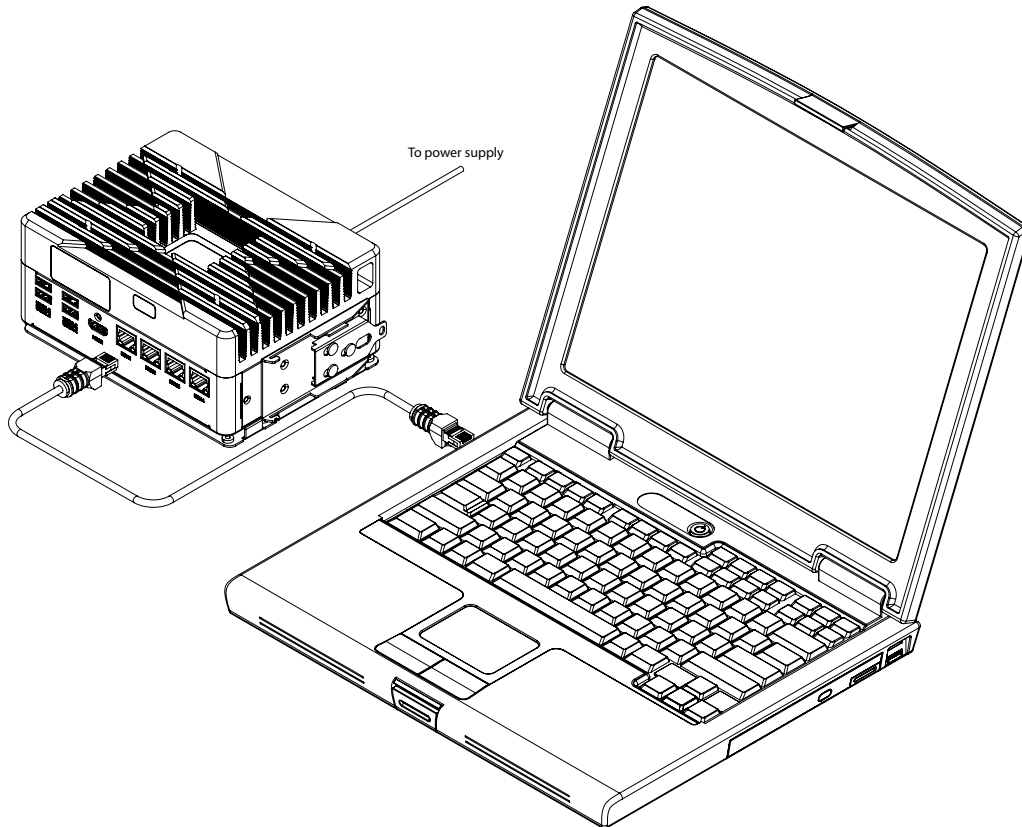


The power button LED indicator lights.

Updating the GoMax Firmware

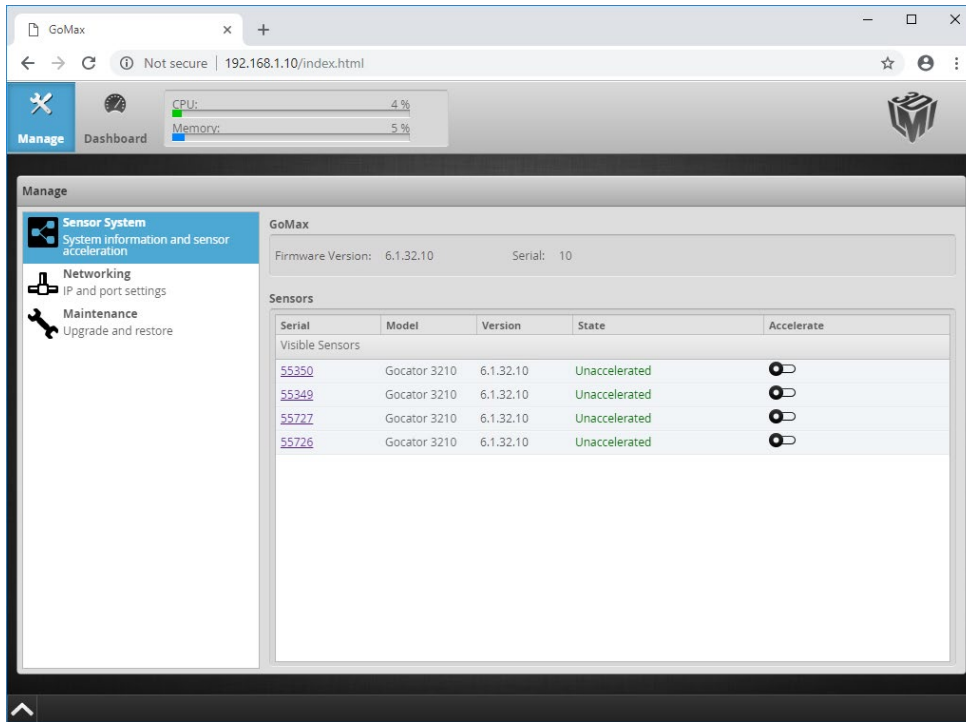
Current GoMax accelerator units ship with the Gocator Classic firmware installed. To use GoPXL Anomaly Detector, you must upgrade the accelerator with a special firmware. The firmware is available on LMI's Product Downloads page, at <https://lmi3d.com/product-downloads/>. The firmware is named, for example, 14629-1.1.50.x_SOFTWARE_GoPXL_Anomaly_Detector_GoMax.dat. To upgrade the GoMax unit, do the following:

1. Using an Ethernet cable, connect a computer to the ETH1 port on the GoMax unit.

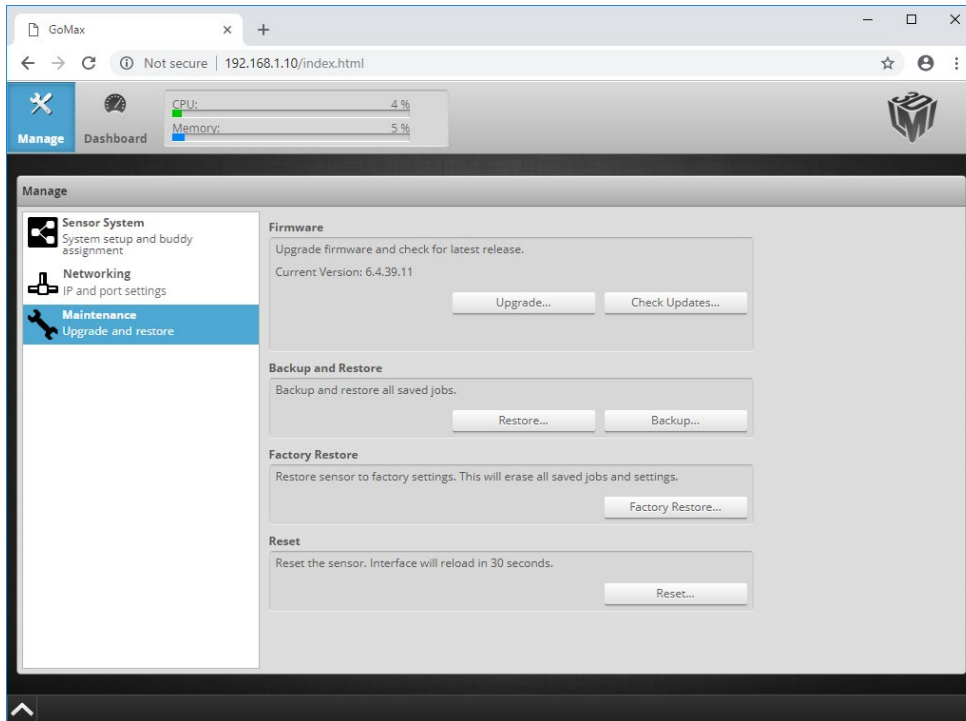


2. On the computer, launch an Internet browser and navigate to 192.168.1.6.

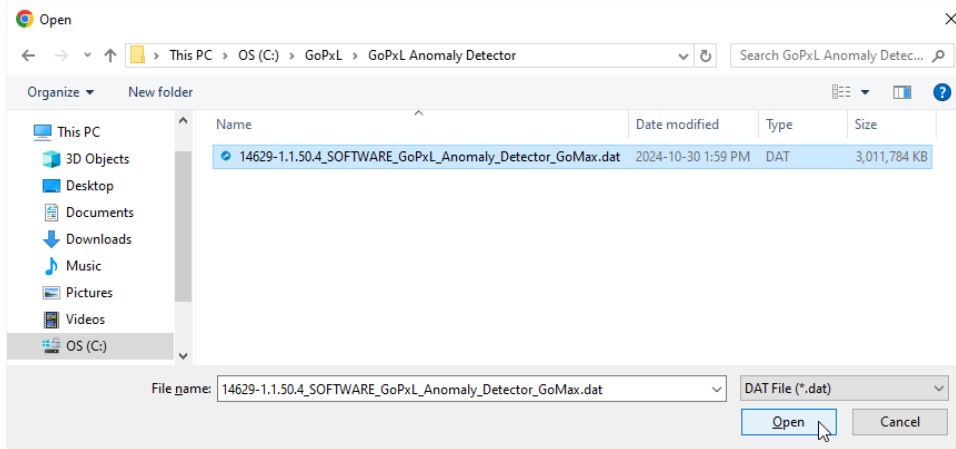
The GoMax web interface is displayed.



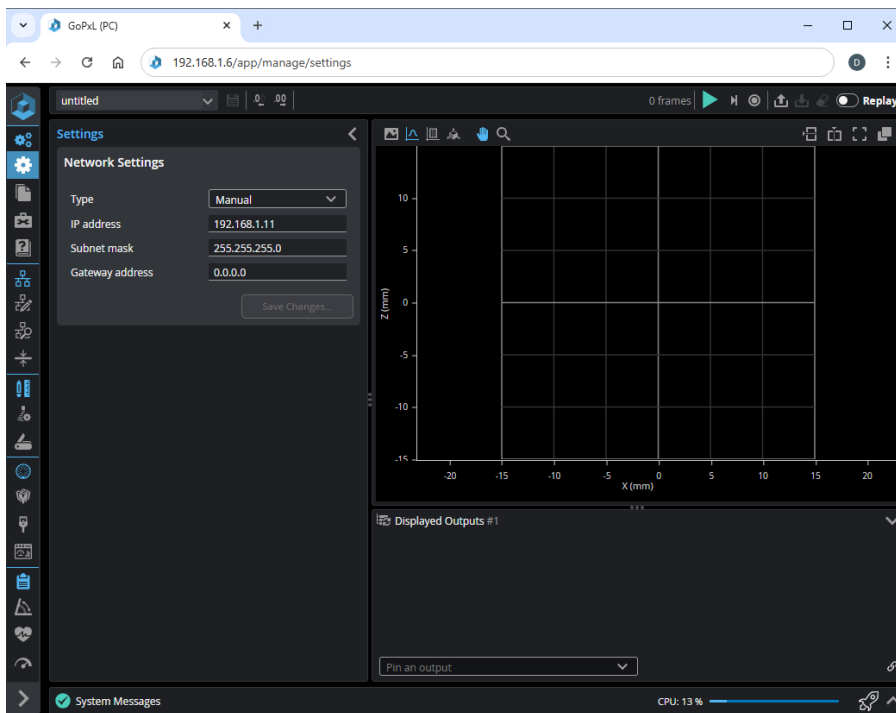
3. On the **Manage** page, click the **Maintenance** category.



4. Click **Upgrade**, navigate to the location of the saved firmware file, and click **Open**.



The GoMax unit updates to the firmware that includes Anomaly Detector, and then launches the interface.



You must now do the following:

1. Mount and connect the GoMax unit to your sensor system.

For more information, see *Adding GoMax to a Sensor System* in the GoMax user manual.

2. Connect a sensor to GoPxL running on the GoMax.

For more information, see *Using GoMax > Starting and Stopping Sensor Acceleration* in the GoMax user manual.

3. Configure GoPxL for acquisition.

For more information, see *Configuring GoPxL* in the GoPxL user manual.

4. Add the pre-processing tool chain and the the Anomaly Detector tool.

For details on adding the Anomaly Detector tool, see the tool's documentation under *Tools - Measurement and Processing > Surface Measurement*.

Note that it is important to save the pre-processing tool chain in a job file, because you must reuse it later during production.

5. Scan representative “good” and “bad” targets and train a model.

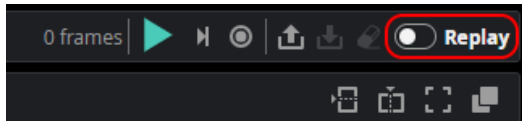
For more information, see the Anomaly Detector's documentation in the GoPxL manual.

You are now ready to license the GoPxL Anomaly Detector tool.

Licensing Anomaly Detector

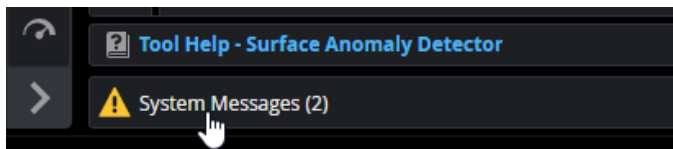
Before you can use the Anomaly Detector tool on live data, you must license it by inserting the dongle you received. (You can use and configure the tool on Replay data without the dongle.)

1. In the web browser, load the job you created that contains the Anomaly Detector and the pre-processing tool chain.
2. Make sure Replay mode is disabled (the toggle is set to the left).

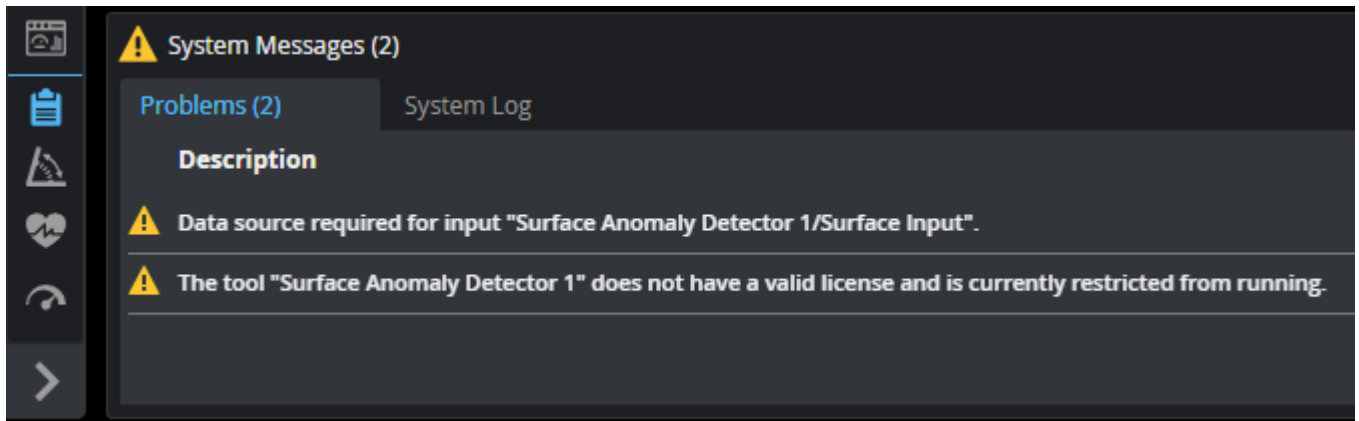


The toggle is at the upper right in the interface.

GoPXL should display an error message related to licensing the tool.

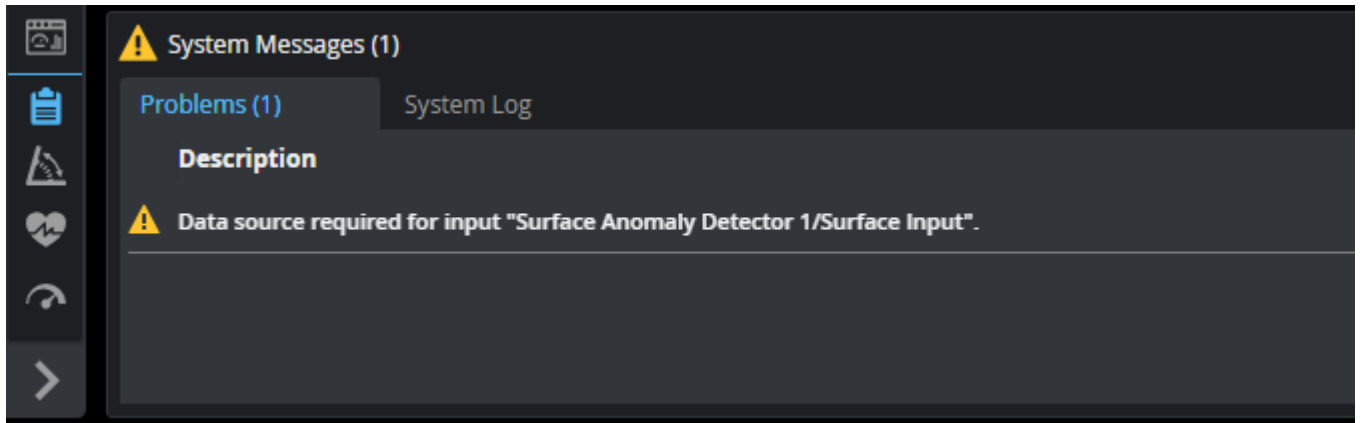


3. Click **System Messages** to expand the panel and confirm this.



4. Insert the Anomaly Detector dongle into a USB port on the GoMax unit.

The tool is now licensed for use on live scan data, and the error message is removed.



You are now ready to use GoPxL Anomaly Detector in production with live scan data.

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