

# GoPXL 1.0 SR1 – Release Notes

Firmware Version 1.0.110.37

Document Revision A

## Compatibility

- Devices supported:
  - Gocator Line Profilers: 2300 C/D revision, 2400, 2500, 2600
  - Gocator Snapshot Sensors: 3200, 3500
  - Gocator Line Confocal Profilers: 5500
  - GoMax NX
  - X64-based PC (Intel/AMD) with Windows 10
- The following series and models are not supported:
  - Gocator Point Sensors: 1300
  - Gocator Line Profiler: 2100, 2880
  - Gocator Multi-point Profiler: 200
  - GoMax (pre-NX version)
- Web Interface
  - The web interface requires latest Google Chrome, Mozilla Firefox or Microsoft Edge version 79 or later

## Bug Fixes

<i>PROFINET job switch</i>	Switching jobs over PROFINET where the job name was empty caused a sensor restart.
<i>REST API job load</i>	GoPXL GUI did not update after loading a factory default job using REST API.
<i>GoMax NX memory leak</i>	Running a sensor accelerated by GoMax NX over a period of days could result in memory usage accumulating and eventually lead to a reset.
<i>Active Area editing</i>	The Active Area editing view could show transformed data even though the view was labeled "Sensor frame of reference".
<i>Responsiveness editing large job files</i>	The responsiveness of the UI was slow when making modifications to large job files.
<i>Trigger delay</i>	When using External Trigger mode, the trigger delay function had no effect.
<i>GenTL driver</i>	<ul style="list-style-type: none"><li>• When using GoPXL on PC, the surface size received through the GenTL driver could be incorrect if the X spacing interval in the GoPXL scan configuration was set to "Auto".</li><li>• The Asynchronous Align command required a wait period after calling.</li><li>• With uniform spacing disabled in profile mode, the output data could have empty lines in X.</li></ul>

	<ul style="list-style-type: none"> <li>• With a Gocator 5500 sensor with intensity disabled, the intensity output was not empty.</li> <li>• With a Gocator 5500 sensor with intensity enabled, the intensity output was brighter in the first rows.</li> <li>• It was not possible to connect to GoPxLService.exe run directly without GoPxL Manager</li> </ul>
<i>Support file</i>	Downloading a support file while recording data could result in a corrupt file.

## Known Issues

### General

<i>Large job files</i>	With a large job file and the UI open, performing Start and Stop operations could be delayed.
<i>Job loading/switching</i>	Loading or switching jobs may be slower than expected with small job files with less than 10 tools.
<i>Industrial Protocols: PROFINET</i>	Once the service is enabled, it cannot be disabled.  Workaround: Toggle off the service, save the job, restart the sensor, and load the job again.
<i>Restricted IP address binding</i>	Some Ethernet services bind to all IP addresses even when a single local IP address is specified in GoPxL Manager.
<i>Support file load</i>	Loading a support file may fail if the same sensor in the support file is also available on the same network as the device on which the support file is loaded.  Workaround: Temporarily disconnect the sensor from the network while loading the support file.
<i>Gocator 6.x .rec file load</i>	Loading scan data from .rec files from Gocator 6.x is supported but some specific files may fail to load depending on configuration details.  Workaround: Factory restore may resolve the issue.
<i>Failed recording load</i>	If a recording or support file load fails, the GoPxL instance may be left in a state where other issues can occur.  Workaround: Factory restore and restart the GoPxL instance if you experience other issues after failing to load recorded data.
<i>Missing input for profile tools</i>	A profile tool with “missing input” may still output profile data in the Visualizer and show measurement values rather than marking the outputs as “invalid”.

## Tools

### *Tool performance*

The execution time of some tools may be slower than expected.

Workaround: Ensuring that the Web UI is closed can improve performance of some tools.

### *Default region size*

When using surface tools on the output of Profile Part Detection, the default tool regions may be inappropriately sized and placed relative to the surface dimensions.

## Utilities

### *Pattern/Track editor with multiple GoPxL instances*

When using multiple GoPxL instances on PC, it is not obvious which instance is which in the Pattern editor application's Source drop-down. In the Track editor application, PC instances that are running can be missing in the Source drop-down.

## GoHMI

### *Default HMI App*

A factory restore is required to update the default HMI app.

### *Updating HMI App on PC*

The browser cache must be cleared in order for a newly updated or created HMI app to show. In Chrome, open Developer Tools (Shift+Ctrl+J or F12), Right-Click on the browser Reload Button, and select "Empty Cache and Hard Reload". This is not required for GoHMI on sensor or GoMax NX.

## SDK and REST API Protocol

SDK API version 3.0.0

No significant changes were made to the C++ and .NET SDKs as compared to the 1.0 release.

## Functionality compared to Gocator 6.x firmware

**This section covers functionality that is available in Gocator firmware versions 6.1 or 6.2 but not available in GoPxL.**

### *G2880, G2100 & G200*

These models are not currently supported in GoPxL

### *Replay CSV Export*

CSV Export is currently not supported. The Replay Converter utility can be used to convert to different formats, including CSV.

### *Script tool*

The script tool is not available in the same form as in Gocator 6.x. With the 1.0 release, a Measurement Formula is provided. In later releases, a Python scripting environment will be added.

<i>Digital, Analog, and Serial output</i>	Digital, Analog, and Serial output are not supported. Digital output support will be added in a future release.
<i>User roles and accounts</i>	Gocator 6.x Administrator and Technician accounts are not supported in 1.0 but are planned for future releases. Currently HMI functionality allows creating a reduced access interface.
<i>Surface Section and Polygon region</i>	Surface Section does not allow editing the section line by dragging end points and no polygon region is supported. These will be added in a future release.
<i>Recording filtering</i>	There is currently no ability to conditionally record data with recording filter settings.
<i>Translations</i>	GoPxL is only available with an English user interface currently.
<i>Mixed-model buddying</i>	Mixing different G2 line profile models in a merged system (buddying) is not supported. The models must match.
<i>G2 Tracking, Translucent spot detection</i>	The tracking functionality and translucent spot detection are not available.
<i>SDK</i>	Alignment configuration is not possible through the SDK currently. Alignment parameters must be configured in a job. The SDK can be used to switch between different jobs with different alignment configurations.
<i>Surface Barcode</i>	The Surface Barcode tool is currently not supported in GoPxL.
<i>Runtime variables</i>	Runtime variables from PLC are not supported
<i>Quick Edit mode</i>	Quick Edit mode is not available
<i>Autostart</i>	The ability to automatically start a sensor after power cycle is not yet available
<i>GoMax NX Independent acceleration</i>	GoMax NX can only accelerate a single sensor or a single set of grouped G2 or G5 sensors (formerly known as “buddy” system). Accelerating multiple sensors independently is not supported.
<i>Maximum frame rate simulation</i>	When loading a support file in GoPxL, the maximum frame rate is not calculated as it is in Gocator Emulator.