

Gocator Firmware 6.4.47.14 for G6300 sensors

Firmware Version 6.4.47.14

Document Revision A

Compatibility

Web Interface

- The web interface requires Chrome, Firefox or Microsoft Edge version 79 or later.
- IE 11 and old Edge versions are only supported in a limited fashion (see known issues for details).

Hardware

- Supported models
 - Gocator 6300 series line profilers
 - GoMax NX, ORIN, ORIN+
- No longer supported:
 - Original GoMax
 - Gocator 1300, 2100A, 2300A/B, 2880A, and 3100 series sensors

SDK

- The 6.x releases are compatible with the 4.x and 5.x SDK.

Windows 32-bit support removed

- Only 64-bit versions of Gocator Emulator, Accelerator and SDK binaries are available.

Improvements

General

<i>G6 Translucent spot selection</i>	Translucent spot selection is available through a separate upgrade package 14642-6.4.47.14_SOFTWARE_Gocator6xxx_Translucent.dat
<i>G6 HDR support</i>	Initial support for HDR mode

Bug Fixes

General

<i>G6 Min Spot Sum</i>	Corrected the default value for Min Spot Sum
<i>G6 X Resolution</i>	Corrected the default number of data point per profile

Known Issues

<i>GoMax support.cgi</i>	<p>Downloading a GoMax support file with /support.cgi results in the UI needing to be refreshed.</p> <p>Workaround: Manually refresh the UI</p>
<i>Factory Restore does not delete tool-created files</i>	<p>Factory Restore does not delete files created by tools. This includes Surface Pattern Matching and Surface Track.</p> <p>To ensure tool files are removed from a sensor, add the appropriate tool and perform a “Delete” operation on any files.</p>
<i>Surface Track</i>	<p>The Surface Track tool is not supported on the GoMax device.</p>
<i>Surface Section</i>	<p>With a profile from the Surface Section tool, it is not possible to obtain Global X & Y measurements from the Profile Bounding Box tool.</p>
<i>Surface Blob</i>	<p>Renaming some of the measurement outputs from Surface Blob is not supported. Though the change may appear to be made, it is not persisted when saving a job file.</p>
<i>Script Tool</i>	<p>Memory leaks can occur when using <i>arrays</i> and <i>structs</i> within a script.</p> <p>Workaround: Avoid using arrays and structs or test thoroughly to ensure stability.</p>
<i>G2 trigger drops</i>	<p>When a trigger drop occurs in surface mode scanning, the last profile’s data is duplicated rather than leaving a missing profile where the drop occurred.</p> <p>Always avoid trigger drops by adjusting scan settings such that triggering does not occur during the previous trigger’s exposure time.</p>
<i>Zoom to rectangle</i>	<p>In profile mode, when disabling 1:1 mode, zoom to rectangle does not fully zoom</p>
<i>Translations incomplete</i>	<p>Not all English text is translated in every language.</p>
<i>EtherNet/IP</i>	<p>Due to a change in Rockwell Studio 5000 Logix Designer V34 and above, module tags for EDS AOP devices may not display correctly, or tag structures may change unexpectedly when creating or upgrading projects.</p> <p>Workaround: Install the latest Add-On Profile (AOP) update for ControlLogix Analog modules (version 40.14.70).</p> <p>For more information, see https://rockwellautomation.custhelp.com/app/answers/answer_view/a_id/1150229.</p>



Internet Explorer 11

Several issues exist with Internet Explorer 11:

- Launching and using additional data viewers is very slow.
 - Using large data sets may not be possible due to browser memory limitations. Workaround: Refer to the Gocator user manual for IE 11 specific instructions to work around some of the issues.
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SDK and Protocol changes (Protocol version 101.21)

The protocol version is specified as [Major].[Minor]. Firmware releases with the same Protocol Major version are backward compatible and users do NOT need to recompile their applications unless features in the newer version are used.

The 6.x SDK will not discover any sensors with firmware 4.2 or earlier by default. Use `GoSystem_EnableDiscoveryCompatibility()` to enable discovery of sensors with older firmware.

SDK

No changes since the previous version 6.4.

Configuration and Protocol changes

No significant changes were made compared to the previous version 6.4.

GDK

No changes.

