



MAK Data Logger 5.12 Release Notes

This release note contains release-specific information for MAK Data Logger 5.12.

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Document ID: LOG-5.12-01-251216

Systems Supported and System Requirements

For information about platform and system support, see the Product Specifications & Dependencies page on the MAK website at: <https://www.mak.com/mak-one-specs>.

For hardware requirements, see <https://www.mak.com/mak-one/support/help>.

The Logger 5.12 C# remote control API is supported only for Windows.

Logger API

You must have VR-Link 5.10 and its required compiler versions to link the Logger libraries, but you do not need it to run the executables. Please see the VR-Link documentation for information about required compilers.

You must have a VR-Link developer's license to compile plug-ins or applications using the Logger API.

Compiler Compatibility on Windows

MAK provides versions of product releases that have been compiled with different versions of Microsoft Visual C++. MAK ONE products built with VC 14 and later are binary compatible and will work together. When you run MAK ONE products together on the same computer, for example, the Logger and VR-Vantage, we strongly recommend that you run versions compiled with the same compiler or binary compatible compilers.

License Manager

Logger 5.12 uses FLEXlm 11.17.1. You must install the license management software to run Logger.

The License Manager files are not part of the Logger installer. You can download from the MAK ONE Product Downloads (<https://www.mak.com/mak-one-downloads>).

Installation of the license manager is covered in the *MAK ONE Installation Guide*, available online at <https://mak.com/mak-one-installation-guide>. Support is also available at <https://www.mak.com/mak-one/support/portal>.

RTI Support

We recommend using the latest version of the MAK RTI. However, the Logger should work with other RTIs that conform to the HLA 1.3 specification, the IEEE 1516 SISO DLC API, HLA Evolved, or HLA 4, and are built using the same compiler as your version of the Logger.

When using the MAK RTI, remember to make sure that the Logger can find your FED file, and optional *rid.mtl* file, by either putting them in the directory from which you are running, or by setting the environment variable to the directory that contains them.

Major Updates

Logger 5.12 has the following new features and updates.

- Upgraded Logger to use VR-Link 5.10.
- Logger supports the new HLA 4 (IEEE HLA 1516-2025) interface specification.
- Added support for Red Hat 9.
- Upgraded the Boost version to 1.84.0 for compatibility with C++20.

Fixed Bugs

Table 1. Fixed Bugs

Key	Summary	Release Notes	Fix versions
LOG-255	Update lgrSqlExporter and trafficAnalyzer CMakeLists omtReader link	Updated lgrSqlExporter, trafficAnalyzer, and lgrModSqlExporter CMakeLists to use omtReader. The fix was implemented in VR-Link; therefore, the workaround was no longer necessary.	LGR-5.12
LOG-360	Upgrade to Boost 1.84.0 and remove internal Boost verisons	As part of adding support for C++20, upgraded to a compatible version of Boost.	LGR-5.11, LGR-5.12
LOG-378	View Controls in LGR tape cause crash in VRV	Re-recorded many of the logger tapes, using updated VR-Forces scenarios where available.	LGR-5.12
LOG-398	Update CMakeLists.txt file	Updated the versions for dependencies and cleaned up outdated OS if-blocks.	LGR-5.12
LOG-402	VRL crash in DtCallSignRecord and DtSymbolIdRecord setFromNet function	Fixed by ensuring that the padding fields are initialized in the setFromNet call. It can be set to 0 or can be calculated by taking the difference of the record size and the size of the data.	LGR-5.12
LOG-404	Update Logger OpenFile command example in User Guide	The user documentation has been updated with the missing Boolean parameter.	LGR-5.12
LOG-405	Update documentation of Logger log files which are now uniquely named and placed in MAK\log dir by default	Updated the user documentation with an example of the new default file name and location.	LGR-5.12
LOG-406	The "SetPlayOnLoad" command description in User Guide does not include the config file param name	This information has been added to the MAK Data Logger Developers Guide.	LGR-5.12

Feature List

Table 2. Feature List

Key	Summary	Release Notes	Fix versions
LOG-367	HLA4 Integration Implementation	The MAK Data Logger supports the new HLA 4 (IEEE HLA 1516-2025) interface specification.	LGR-5.12
LOG-376	Improve Traffic Analyzer View for NETN Attributes	NETN FOM Attributes are now included in the HLA Traffic Analyzer view.	LGR-5.12
LOG-379	Upgrade to Boost 1.84.0	Upgraded the Boost version for compatibility with C++20.	LGR-5.12
LOG-381	Use std C++ pointers instead of Boost	This change is part of supporting C++20.	LGR-5.12
LOG-382	Remove usage of std::auto_ptr	auto_ptr is not supported in newer versions of C++, and so it was replaced with unique_ptr. The latter differs from the former, so other code changes were made to account for that.	LGR-5.12
LOG-383	Upgrade TBB	Upgraded TBB version to OneTBB 2021.12 for C++20 compatibility.	LGR-5.12

Known Problems

Problems can arise with any product. MAK has a knowledge base of the problems that we know about, which is always changing as new problems are identified and new solutions are found. To learn how to address known problems with MAK Data Logger and other MAK ONE products, access the MAK ONE Product Support Knowledge Base:

<https://www.mak.com/knowledge>.

If the problem you are experiencing is not addressed in the knowledge base, please contact your MAK distributor or use the [Support Portal](#) at <https://www.mak.com/mak-one/support/portal>.

For information about other issues that you might encounter while using the Logger, see the [Troubleshooting](#) appendix in the *MAK Data Logger Users Guide*.