



MAK Data Logger 5.11 Release Notes

This release note contains release-specific information for Logger 5.11.

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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/hardware-recommendations>.

The Logger 5.11 C# remote control API is supported only for Windows.

Logger API

You must have VR-Link 5.9 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 5.11 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, or HLA Evolved, 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 5.11 has the following new features and updates.

- Upgraded Logger to use VR-Link 5.9.
- Added the protocol to the title bar of the Logger.
- To account for the "flatter" menu structure of Windows 10 and Windows 11, the Start menu links to VR-Forces and its associated applications now display the version information. The documentation and tools are in versioned subfolders, and there are also versioned shortcuts on the Start menu to access the folders.
- You now install PDBs, which supply data to inform the callstack.log file, are now installed using an executable. This is easier than manually unzipping and putting the files in the `./bin64` directory.
- All MAK ONE *log* and *dmp* files are now saved in a central location. The default is `C:/MAK/logs`, which you can change by using the `MAK_LOG_DIR` environment variable to specify a different path.
- There is a new command-line option for the Logger Remote Control, `--suppressDefaultModules`. You can use this to prevent the application from loading the default FOM modules.

Fixed Bugs

Table 1. Fixed Bugs

Key	Summary	Release Notes	Fix Version/s
LOG-190	Video window cannot be maximized to full screen	This is fixed. The Video Stream View now has a Maximize button. The other window buttons are disabled.	LGR-5.11
LOG-256	Webcam Stream Launcher scroll buttons too big with new look	Improved the behavior of the window. The IP Address field is now a text entry field and not a drop-down list.	LGR-5.11
LOG-268	Translation option -G is not valid	Reimplemented the command-line options for translation (-G --locale).	LGR-5.11
LOG-269	DIS PDUs are not recorded correctly	Fixed to ensure that DIS PDUs are recorded accurately.	LGR-5.11, LGR-5.10a
LOG-274	User's Guide needs instructions for enabling the HLA Traffic Analyzer	Added instructions for enabling the HLA Traffic Analyzer to the user documentation.	LGR-5.11
LOG-277	lgrControl load record command is improperly parsed	Corrected parsing.	LGR-5.11, LGR-5.10c
LOG-279	Connection dialog does not allow specification of 2.0 revisions	Added RPR FOM 2.0 FOM Mapper revisions 1 and 2 to the HLA connection dialog box's list of available options.	LGR-5.11
LOG-282	Prevent crash if DIS exercise connection fails during initialization	Implemented a status check before registering encoders to prevent the crash.	LGR-5.11
LOG-287	lgrControl record command arguments not processed correctly	The loadRecord command now correctly overwrites an existing file using the lgrCommand.	LGR-5.11

Table 1. Fixed Bugs (continued)

Key	Summary	Release Notes	Fix Version/s
LOG-292	Video playback displays significant lag when jumping time with a dense tape	Made improvements to reduce lag in the video stream.	LGR-5.11
LOG-294	Update Logger for compatibility with new RPR FOM modules	Updated the Logger configuration FOM modules for HLA1516 Evolved.	LGR-5.11
LOG-302	Logger cannot playback MPEG2 Metadata-MPGTS-UDP video stream from VRV	Upgraded the Logger to GStreamer 1.20 to improve support for video streams.	LGR-5.11, LGR-5.10b
LOG-310	Boolean values in HLA Traffic Analyzer are not respected	Previously, the HLABoolean was always considered false. Fixed to ensure that the set value is respected.	LGR-5.11, LGR-5.10c
LOG-319	Dump and log file naming scheme should be updated	All MAK ONE log and dmp files are now saved in a central location. The default is C:/MAK/logs, which you can change by using the MAK_LOG_DIR environment variable to specify a different path.	LGR-5.11
LOG-326	Improve icon appearance on 4K monitors	Ensured that icons looks correct on 4K monitors with a large resolution size.	LGR-5.11
LOG-327	NETN FOM cause Logger export to fail	Made changes to account for changes to headers and other cleanup to ensure that the export can complete successfully. The MIM file also now automatically populates in the database export dialog box for HLA Evolved, as it is needed when MIM datatypes are used.	LGR-5.11, LGR-5.10d
LOG-329	In SQL export, UniqueID hardcoded column name conflicts with NETN FOM	Added "MAK_" prefix to hardcoded column names to resolve conflict with NETN "uniqueID" attribute.	LGR-5.11, LGR-5.10d
LOG-336	Toggle Loop at End should not cause Logger to enter a bad state	This is fixed to allow users to loop logger tapes.	LGR-5.11

Table 1. Fixed Bugs (continued)

Key	Summary	Release Notes	Fix Version/s
LOG-337	Linux: Example makefiles packaged into wrong directory	Modified installFiles.cmake to ensure that the example makefiles are in the correct directory.	LGR-5.11
LOG-340	Logger reference to VT MAK replaced with MAK Technologies	Corrected company name.	LGR-5.11

Feature List

Table 2. Feature List

Key	Summary	Release Notes	Fix Version/s
LOG-291	Update Start Menu Links	To account for the "flatter" menu structure of Windows 10 and Windows 11, the Start menu links to VR-Forces and its associated applications now display the version information. The documentation and tools are in versioned subfolders, and there are also versioned shortcuts on the Start menu to access the folders.	LGR-5.11
LOG-297	Create PDB Installer for Data Logger	You now install PDBs, which supply data to inform the callstack.log file, using an executable. This is easier than manually unzipping and putting the files in the ./bin64 directory.	LGR-5.11
LOG-312	Add command line option to logger control to suppress default FOM modules	There is a new command-line option for the lgrControlHLA1516e.exe sample program: --suppressDefaultModules. You can use this to prevent the application from loading the default FOM modules without recompiling that application.	LGR-5.11, LGR-5.10c
LOG-341	Add protocol to the GUI title bar.	The MAK Data Logger title bar now shows the protocol (DIS, HLA 1516e, and so on), informing you which you are using.	LGR-5.11

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, contact support for assistance: <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*.