



MÄK Data Logger 3.11.2 Release Notes

This document provides the following release-specific information for MÄK Data Logger 3.11.2:

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Systems Supported

Logger 3.11.2 is being released for the following platforms:

- ♦ PC with Windows 2000/XP
- ♦ Red Hat Linux 8.0 and 9.0
- ♦ SGI IRIX 6.5 n32
- ♦ Sun Solaris version 2.8.

Logger API and Logger File API

You must have VR-Link 3.9.3 and its required compiler versions to use the Logger file library or the Logger API, but you do not need it to run the executables. See VR-Link documentation for information about required compiler versions.

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

Qt Toolkit Compatibility

The Logger GUI is built using the Qt Toolkit, a cross-platform GUI toolkit. If you use the Logger API to change the GUI, you need to get a Qt license and install Qt. Logger 3.11.2 was built with Qt 3.3.1.

RAM and Memory Requirements

To install and run the Logger on a PC, we recommend the following minimum configuration:

- ♦ Pentium class PC 400 MHz or above
- ♦ 150 MB disk space
- ♦ 64 MB RAM.

On UNIX systems, the Logger requires the following amount of disk space:

- ♦ Linux - 150 MB
- ♦ Sun Solaris - 185 MB
- ♦ SGI IRIX - 325 MB.

Compiler Compatibility on Windows

MÄK provides versions of product releases that have been compiled with Microsoft Visual C++ 6.0 and 7.1. When you run MÄK products together, for example, the Logger and the Stealth, we strongly recommend that you run versions compiled with the same compiler. Mixing products compiled with different versions of the compiler can result in program instability.

Network Compatibility

HLA only

Logger 3.11.2 was built against VR-Link 3.9.3 and is compliant with:

- ♦ RPR-FOM 1.0 and a subset of 2.0 (draft 6, 14, and 17)
- ♦ MÄK RTI 2.3.x
- ♦ DMSO RTI NG v6.

Logger 3.11.2 is compatible with applications that use earlier versions of VR-Link if they support versions of the RPR FOM listed above.

DIS only

Logger 3.11.2 supports DIS 2.0.4, IEEE 1278.1, 2.1.4, and IEEE 1278.1a, and can therefore interoperate with DIS applications of any of these versions.

RTI Support

Logger 3.11.2 works with the MÄK RTI 2.x, and DMSO RTI NG v6.

Logger 3.11.2 works with older versions of the MÄK RTI, but we recommend using it with release 2.x.

When using the MÄK Real-time 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 RTI_CONFIG to the directory that contains them.

FOM Support

Logger 3.11.2 has built-in support for versions 0.5, 0.7, 0.8, 1.0, and 2.0, drafts 6, 14, and 17, of the RPR FOM. It also supports VR-Link's ability to support alternative FOMs through the FOM Mapper. By default, Logger 3.11.2 uses RPR FOM 1.0.

The keywords for specifying different versions of the RPR FOM with the `-f` startup option are:

- ♦ RPR FOM 0.5: `v1RPR05`
- ♦ RPR FOM 0.7: `v1RPR07`
- ♦ RPR FOM 0.8: `v1RPR08`
- ♦ RPR FOM 1.0: `v1RPR10`
- ♦ RPR FOM 2.0 draft 6: `v1RPR20006`
- ♦ RPR FOM 2.0 draft 14: `v1RPR20014`
- ♦ RPR FOM 2.0 draft 17: `v1RPR20017`.

For information about FOM mapping and selecting the correct FOM mapper, see *Configuring the Logger for HLA* in Chapter 2, "Installing and Configuring the Logger", in *MÄK Data Logger User's Guide*.

New Features and Changes

Logger 3.11.2 has the following new features:

- ♦ Pop-up warning messages and a new status message
- ♦ `DtLgrEmptyPdu` class added to Logger Control toolkit.

New Warning and Status Messages

The Logger now issues pop-up warning messages if:

- ♦ You try to load a file with an incorrect format, such as trying to load a recording of a DIS exercise into the HLA Logger.
- ♦ The Logger cannot create an exercise connection, which may happen if it cannot connect to the RTI.

You can enable (1) or disable (0) the display of pop-up messages with the `showPopups` configuration parameter in *logger.mtl*.

When the Logger converts a file to checkpointed format, it now displays the message: `Converting...`

Logger Control Toolkit

The `DtLgrEmptyPdu` class has been added to the Logger Control toolkit. It sets the Logger to empty mode, that is, no file is loaded in memory. If the Logger is playing or recording a file, this message stops the action and closes the file.

Fixed Bugs

The following problems have been fixed:

- ♦ A memory leak in both DIS and HLA would crash the Logger during conversion of large files.

Known Problems

Logger 3.11.2 has the following known problems:

- ♦ Invalid velocities may be sent when pausing or changing the time scale.