

Matthews MPERIA 7.0.x

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1 New features and improvements

Please note that this version cannot be installed on older models of the MPERIA Lite controller. The last version with support for those controllers is 6.3.x, available in the [Legacy Controllers](#) folder on the download server. The MPERIA Standard controllers and the current MPERIA Lite controller (with dual Ethernet ports) are not affected by this limitation.

See the [MPERIA Lite Controller - Software Compatibility Update](#) for more information!

1.1 Custom user interface (plugin GUI)

It is now possible to create completely custom user interfaces using plugins.

1.2 Remote Control

The MPERIA controller can now remote control MPERIA controllers and other equipment, e.g. Evolabel printers, using the new remote control tab.

1.3 Disabling of overspeed warning

The overspeed warning can be disabled for installations that are designed under circumstances where overspeed is not an error.

1.4 Optional troubleshooting information in backup

When making a backup, the user is asked whether troubleshooting information should be included in the backup. Backups without troubleshooting information are much smaller and faster to make.

1.5 Excel export format updated to Excel 2007 (XLSX)

When exporting to Excel format, e.g. when exporting the system log, the file format has been updated to Excel 2007 for improved compatibility and performance.

1.6 Improved log viewer performance

The controller no longer becomes sluggish while viewing the system log.

1.7 Polygon Graphics in XML

When creating messages via XML, it is not possible to create diagonal lines and polygons.

1.8 Performance improvements

The system performance has been improved, providing greater reliability when under heavy load.

2 Plugin and protocol improvements

See the plugin manual for detailed documentation.

- Get and set V-LINK dot size from plugin
- Get and set V-LINK model from plugin
- Improved plugin image handling
- Encoder position provided to plugin trigger hook
- Trigger at exact position from plugin
- List fonts from plugin
- New plugin method `mperia.list_installations2()` retains installation order
- New plugin method `mperia.list_markers()` retains marker order
- Lua updated to version 5.3.4

3 Updated Documents

- Command Protocol Manual 7.0.x
 - Lua Plugin Manual 7.0.x
 - Plugin GUI Manual 7.0.x
 - XML Specification 7.0.x
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4 Bug Fixes

4.1 Fixed bugs in 7.0.0

- All bug fixed in 6.3.8 are included in 7.0.0.
- Fixed various error, including Gutter Cleaning Error, when one or more markers are disabled. [MPERIASW-2206]
- Fixed incorrect ink type when adding new L-series print heads in the simulator. [MPERIASW-2194]

4.2 Fixed bugs in 7.0.1

- Fixed network configuration lost after first reboot after update. [MPERIASW-2299]
- Fixed Autolabel software update not working, which caused connection issues after update. [MPERIASW-2300]
- Fixed crash when deleting an open VNC connection. [MPERIASW-2295]
- Fixed crash when using a huge number of installations (>40). [MPERIASW-2294]
- Fixed plugin GUI crash when trying to add a Column after a Row had already been added. [MPERIASW-2298]
- Complete translations to all supported languages.

4.3 Fixed bugs in 7.0.2

- Fixed risk of configuration loss when updating several times between 7.0.x versions without rebooting. [MPERIASW-2302]
- Fixed crash when I/O signals change state while in the I/O configuration window. [MPERIASW-2312]
- Fixed crash when a GUI plugin used invalid widget alignment. [MPERIASW-2313]

4.4 Fixed bugs in 7.0.3

- Fixed random missing prints when using terminate and the trigger is active when the marker is started. [MPERIASW-2343]
- Fixed plugin function mperia.get_state() returning a number instead of the expected string. [MPERIASW-2319]
- Improved performance of the verification phase of software update (when the progress bar is displayed).