Matthews MPERIA 8.1.x

Release Notes

> *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   Highlighted new features

1.1   Support for importing SX Tool backups

It is now possible to import SX Tool backups into MPERIA as a means to copy messages from the legacy controller SX-32 to MPERIA. To import and SX Tool backup, use the regular Import feature in MPERIA and select the saved XML file from SX Tool.

2   Other new features

2.1   Manual L-series channel mode setting

The L-series printer supports single channel and dual channel mode. The single channel mode yields higher print quality if the speed source (e.g. encoder) is not perfect, but it can only be used up to half the maximum speed. The dual channel mode supports the full speed, but it is very sensitive to a correct speed detection.

By default, the L-series alternates between single channel and dual channel mode based on the current print speed. The works very well in most cases, but it fails when the acceleration is very high, resulting in overspeed warnings and reduced print quality.

It is now possible to set the Marker's channel mode to either auto (the default), single, or dual channel in the advanced Marker settings tab.

2.2   Replaced the Remote tab with an icon

The Remote tab has been replaced with an icon.

2.3   Added workaround for broken VNC servers (e.g. Citrix printers)

More color modes have been added to the VNC client to allow it to connect to VNC servers that do not conform to the VNC specification.

3 Plugin and protocol improvements

See the plugin manual for detailed documentation. Some highlights are:

- Setting mark repeat from XML/Command/Plugins.

- The XML element getPreview now supports Autolabel and plugin markers. It also properly respects the magnify attribute.

- Improved bitmap/graymap drawing plugin API. Support has been added for exporting plugin bitmaps and graymaps to the uncompressed by very fast Netpbm format.

- Support has been added for JPEG files in custom GUI plugins.

- Add minWidth/Height to plugin GUI Widget.

4 Updated Documents

- Command Protocol Manual 8.1.x

- Lua Plugin Manual 8.1.x

- Plugin GUI Manual 8.1.x

- XML Specification 8.1.x

5 Bug Fixes

5.1 Fixed bugs in 8.1.0 (from 8.0.4)

Major bugs fixed

- V-series cost per mark calculation didn't work because it wasn't possible to set the pressure. [MPERIASW-2490]

Minor bugs fixed

- Underrun when printing at >1000 DPI above 50% speed. [MPERIASW-2485]

5.2 Fixed bugs in 8.1.1

Minor bugs fixed

- GS1 application identifiers 91-99 were limited to 30 characters instead of the correct 90 characters. [MPERIASW-2509]

- Low ink warning messages for L-Link printers didn't specify which cartridge was low. [MPERIASW-2420]

- Fixed an issue where adding an input for AUX *#k* deleted the input for trigger *#k* (and vice versa) [MPERIASW-2513]

- Fixed a very rare bug that caused windows to close mysteriously. [MPERIASW-2514]

- VX32 Import message report looks strange when importing a large number of messages and/or objects. [MPERIASW-2506]

- The label length was limited to 240 mm. [MPERIASW-2508]

- Added Croatian language setting.

5.3 Fixed bugs in 8.1.2

Minor bugs fixed

- Fixed an issue that caused remote backups from the remote control tab to fail if the backup is large. [MPERIASW-2528]

- Fixed an issue that caused L-Series/L-LINK devices to restart if an unknown cartridge type was inserted. [MPERIASW-2518]

5.4 Fixed bugs in 8.1.3

Minor bugs fixed

- Fixed a case where the editor didn't update properly after undo. [MPERIASW-2524]

- Fixed missing preview when inserting images from the database in the message editor. [MPERIASW-2525]

- Fixed an issue when flushing using the SX-32 Emulator. [MPERIASW-2531]

- Fixed that the Command Protocol TRIG command replied NAK for Evolabel Installations. [MPERIASW-2538]

- Increased the maximum decap for L-series and V-series. [MPERIASW-2535, MPERIASW-2540]

- Fixed a crash when trying to access the database from a plugin on a controlled without the database license. [MPERIASW-2526]

- Fixed a crash when importing messages using the database on a Lite controller without the database license. [MPERIASW-2527]

- Fixed stroboscope output incorrectly requiring a license. [MPERIASW-2519]

- Fixed an issue when selecting a message on multiple Installations using the XML protocol. [MPERIASW-2536]

5.5 Fixed bugs in 8.1.4

Major bugs fixed

- Fixed the Terminate feature that was broken by 8.1.3. [MPERIASW-2542]

5.6 Fixed bugs in 8.1.5

Minor bugs fixed

- Autolabel connectivity issues (slow to detect devices) [MPERIASW-2550]

- Log/Additional Information ugly when vertical scroll bar active [MPERIASW-2534]