

Firmware 15.74 IMX28 Release Notes

Horner Automation has released a new Firmware revision for the IMX28 products (XL4, XL7, EXL6, EXL10, RCC, X5 and EXLW)

This is available for download from the firmware section on the following websites:

North American Website <https://hornerautomation.com/controller-firmware>

European Website <http://www.hornerautomation.eu>

NOTE: This Firmware release requires the bootloader to be installed and is not optional.

Latest System File Revisions for the XL4, XL7, EXL6, EXL10, RCC, X5, EXL6W	
Firmware	15.74
OS	2.6.35.86
InitRD	1.30

A NOTE ABOUT FIRMWARE UPDATES:

This firmware has been thoroughly tested, and every precaution has been taken to prevent the introduction of new issues that may be problematic in your application. It is always important for customers to perform their own internal system testing prior to deployment of the new firmware.

Firmware 15.74 – Bug Fixes		Affected Controllers: XL4, XL7, EXL6, EXL10, RCC, X5, EXL6W	
#	Main Subject	Description	
1.	Historical Trend Data Averaging in WebMI	<ul style="list-style-type: none"> Resolved: After refreshing webpages, the Trend Data on webpages displayed the average of the actual data. Resolved: Added support for the following Retentive Trend types: Average, Minimum, Maximum, and Downsample Note: Requires Cscape Ver 10.1 or later.	
2.	Static Bitmap	Resolved: Bitmaps were not being displayed on the device.	
3.	NMT Start Command After Power Up	Resolved: The device was not sending the NMT Start Command to CANOpen devices after power up.	
4.	Email	Resolved: The email stopped working when using Secomea Email Relay on port 25 without authentication.	

Firmware 15.74 – Known Issues		Affected Controllers: [Includes RCC] XL4, XL7, EXL6, EXL10, RCC, X5, EXL6W	
#	Subject	Description	Workaround
1.	Wi-Fi Module	Rare Occurrence: The Wi-Fi module will not detect, and/or the Wi-Fi Hardware is detected, but the MACID of the Wi-Fi module is not detected	Reset by power cycling (unplugging and plugging in) the Wi-Fi module.
		If the LAN cable is removed from the unit, a connection timeout may occur for the connected users on WebMI when connected over Wi-Fi.	Log in to the unit again through Wi-Fi.
		The Wi-Fi settings for the Portable Greymap (PGM) file update after a power cycle. Note: Only when the same PGM is loaded (as designed).	To load new parameters, load a PGM with a different Wi-Fi configuration Note: This issue has not been seen.
2.	Setpoint	Lreal type Setpoint variables are not being loaded by loading the PGM file into the device; applies to both Register-based Advanced Ladder logic (RBAL) and Variable-based Advanced Ladder logic (VBAL):	

Firmware 15.74 – Known Issues			Affected Controllers: [Includes RCC] XL4, XL7, EXL6, EXL10, RCC, X5, EXL6W
3.	Modbus Map Slave Block	The MODBUS Map Slave Block length check for Read Holding Register and Read Coil Bits are incorrect. Enhanced IEC only	Configure the same array length for Input Bits and Coil Bits. Similarly, configure the same array length for the Input Register and the Holding Register.
4.	Modbus ASCII Protocol	MODBUS ASCII protocol is not working for Do Request and old User Master blocks Enhanced IEC only	Use the MODBUS RTU protocol in the Master Block or use the serial Downloadable with Modbus ASCII protocol.
5.	Modbus Blocks: Do Request & Old Users Master)	Using multiple MODBUS blocks Do request and old user in same program with same port are not reading data from slave Enhanced IEC only	Use serial downloadable protocol
6.	Ethernet Download / Upload	Ethernet upload/download delays when exchanging big packets.	

Firmware 15.74 – Known Issues			Affected Controllers: [Excludes RCC] XL4, XL7, EXL6, EXL10, X5, EXL6W
1.	USB Camera	The OCS resets when a USB camera is plugged directly into a powered-up unit. Note: This is a random issue.	Plug the video camera in before power-up or use a powered USB hub.
2.	Retentive Trends	If Retentive Trends with log is enabled with the multi-language option, two log files will be created on the microSD. Instead of logging data in a single file, it logs two different files as the languages are switched between.	
3.	Clear Application	After clearing the application, the device is still in run mode Note: This is a random issue.	
4.	String Conversions	Fill zero is not working in Normal IEC.	
5.	Alarm Block	Alarm blocks in Cscape SP4 IEC give a System exception while accessing previous alarms	
6.	Press Key Block	The Press key ladder block is not functioning in Enhanced IEC	

Firmware 15.74 – Known Issues			Applicable to XL6W only
1.	Slide Key	The Slide key goes behind the trend/graph object when configured for full screen.	

Firmware 15.74 – Known Issues			Applicable to X5 only
1.	False Watchdog	A false Watchdog notification is seen when the application is downloaded for the first time and the unit is power cycled.	Power cycling the unit with an approximately three-second delay to eliminate the Watchdog notification.

Firmware 15.74 – Known Issues			Applicable to RCC only
1.	Debug Option	RCC2414 Only In Enhanced IEC, if the user selects the debug option, then Cscape displays a connection failed message, and the Ok/Run LED changes to OFF	
2.	New License File Format	FeatureLicense-MacID is NOT functioning for RCC units	Rename the license file as featurefirmware.lic

Firmware 15.74 – Known Issues			Applicable to XL7, RCC (2414), EXL10
1.	EGD Protocol	EGD Protocol issues: <ul style="list-style-type: none"> LAN2 EGD status is constantly showing zero, despite data exchange between the devices functioning as expected. Unplugging the LAN2 cable changes the status of the LAN1 EGD protocol 	

Technical Support

North America:

Tel: (317) 916-4274

Fax: (317) 639-4279

Website: <https://hornerautomation.com>

Email: APGUSATechSupport@heapg.com

Europe:

Tel: (+353)-21-4321-266

Fax: (+353)-21-4321826

Website: <http://www.hornerautomation.eu>

Email: technical.support@horner-apg.com