

Firmware 15.64 Release Notes

Horner Automation has released a new Firmware revision for the XL4, XL7, EXL6, EXL10, RCC, X5, EXL6W.

This is available for download from the firmware section at 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. It is not an option.

Latest System File Revisions for the XL4, XL7, EXL6, EXL10, RCC, X5, EXL6W	
Firmware	15.64
OS	2.6.35.86
InitRd	1.30

Firmware 15.64 - New Features	
1.	Added support for OCS-I/O (CNX100) modules. NOTE: This requires Cscape 9.90 SP10 onwards.

Firmware 15.64 - Bug Fixes	
1.	Resolved issue wherein device would PING for an invalid subnet mask configured. (8765)
2.	Resolved issue wherein after multiple power cycle LAN2 IP would not work in RCC2414. (10106) NOTE: Applicable to RCC only
3.	Resolved issue wherein MQTT with CA certificate configured was not connecting to broker (10212)
4.	Resolved issue wherein power cycle was required to recover the Modbus RTU communication when there was communication break while sending queries at high speed (10msec). (5843)
5.	Resolved issue wherein only limited number of users configured in user security configuration were working. (10016)

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 15.64 - Known Issues		
	Issue	Affected Controller(s)
1.	Ethernet Upload/Download delays when exchanging big packets. (5835)	XL4, RCC, XL7, ELX10, EXL6
2.	OCS resets when a USB camera is plugged directly into a powered-up unit; only happens with some USB cameras. (5836) WORKAROUND: Plug video camera in prior to power-up or use a powered USB hub	XL4, XL7, EXL10, EXL6
3.	If Retentive trends with log is enabled with Multi language option, then two log files are created in Micro sd. Instead of logging data in single file, it is logging in two different files as we switch between languages. (5837)	XL4, XL7, EXL10, EXL6, X5, EXL6W
4.	Sometimes IMx 28 Wi-Fi module IS not detecting (Very random issue) and Sometimes Wi-Fi Hardware is detected but MAC ID of the Wi-Fi module is not detected. (1964) WORKAROUND: After Power cycle or Unplug and plug the Wi-Fi module, it will work.	XL4, RCC, XL7, EXL10, EXL6, X5, EXL6W
5.	Connection timeout may occur for the connected users on Webmi when connected over Wi-Fi if the LAN cable is removed from the unit. (1924) WORKAROUND: Logging again to the unit through Wi-Fi resolves the issue.	XL4, RCC, XL7, EXL10, EXL6, X5, EXL6W
6.	Wi-Fi settings for pgm file updates after power cycle. (1919) WORKAROUND: The issue is seen only when same PGM is loaded (It is as designed). If a PGM with different Wi-Fi config is loaded, it will load new parameters (issue is not seen).	XL4, RCC, XL7, EXL10, EXL6, X5, EXL6W
7.	Slide key goes behind trend/graph object when configured for full screen. (2044)	EXL6W
8.	False watch dog is seen when application is downloaded for first time and power cycled the unit. (4177) WORKAROUND: Power cycling the unit with approximately 3 seconds delay no watch dog will be seen.	X5
9.	RCC2414 - In Enhanced IEC, if user selects debug option then Cscape displays connection failed message and Ok/Run LED goes OFF. (4176)	RCC
10.	Multiple CF operations are allowed in Enhanced IEC. (4704)	XL4, XL7, EXL10, EXL6, X5, EXL6W
11.	After Clearing application, Device is still in run mode - Random issue. (4681)	XL7
12.	String conversion- Fill zero is not working in Normal IEC. (4410)	XL4, XL7, EXL10, EXL6, X5, EXL6W
13.	Alarm blocks in Cscape SP4 IEC gives System exception while accessing previous alarms - Old Issue. (4474)	XL4, XL7, EXL10, EXL6, X5, EXL6W
14.	Lreal type Setpoint variables are not getting loaded by loading pgm file into the device - RBAL and VBAL. (5795)	XL4, RCC, XL7, EXL10, EXL6, X5, EXL6W
15.	ASCII to LREAL and DINT to LREAL conversion blocks are not working properly. (5262)	XL4, XL7, EXL10, EXL6, X5, EXL6W
16.	MODBUS Map slave block length check for Read Holding Register and Read coil bits are incorrect – EIEC. (5770) WORKAROUND: Configure same array length for Input Bits and coil Bits. Similarly configure same array length for Input register and Holding Register.	XL4, RCC, XL7, EXL10, EXL6, X5, EXL6W
17.	MODBUS ASCII protocol are not working for Do Request and old User Master blocks – EIEC. (5771) WORKAROUND: Use MODBUS RTU protocol in Master block or use serial Downloadable with Modbus Ascii protocol	XL4, RCC, XL7, EXL10, EXL6, X5, EXL6W

Firmware 15.64 - Known Issues		
	Issue	Affected Controller(s)
18.	Using multiple Modbus Do Request blocks and old user in same program with same port are not reading data from slave – EIEC. (5784) WORKAROUND: Use serial downloadable protocol.	XL4, RCC, XL7, EXL10, EXL6, X5, EXL6W
19.	Not able to write values to %SR210 and %SR211 from screen and data watch for UTC in EIEC. (5824)	XL4, RCC, XL7, EXL10, EXL6, X5, EXL6W
20.	Press key ladder block is not working in EIEC. (5822)	XL4, XL7, EXL10, EXL6, X5, EXL6W
21.	For editable objects, pop up keypad will not display header name properly if user configures external fonts. (9010) WORKAROUND: Use internal fonts for proper header name display.	XL4, XL7, EXL10, EXL6, X5, EXL6W
22.	New License file Format "FeatureLicense-MAC ID" is NOT working for RCC units. (10045) WORKAROUND: Rename the license file as "featurefirmware.lic"	RCC
23.	EGD Protocol issues - a. LAN2 EGD status is constantly showing zero even though data exchange between the devices is working as expected. b. Unplugging the LAN2 cable changes the status of the LAN1 EGD protocol. (10337)	RCC (2414), XL7, EXL10

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