

Firmware 15.62 Release Notes

Horner Automation has released a new Firmware revision for the XL series: **X5, XL4, EXL6, EXLW, XL7, EXL10, RCC972, RCC1410, RCC2414, and RCC8842.**

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 bootloader to be installed. It is not an option.

Latest System File Revisions	
Firmware	15.62
OS Version	2.6.35.84
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 15.62 - New Features	
1.	OCSIO support has been added along with new modules-DIM610 and DQM606. New modules require Cscape 9.90 SP9 onwards and OCSIO firmware
2.	Added new system registers for storing PGM password (%SR104 and %SR106) in order to avoid opening of password dialog when PGM is loaded via SR bits. (8345) NOTE: This requires Cscape 9.90 SP9 onwards %SR104–32bit %SR for storing password of program which is currently running %SR106–32bit %SR for storing password of program which is being loaded

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Firmware Bug Fixes in 15.62	
1.	Resolved ethernet port lock up issues. (8464)
2.	Resolved combining characters like Thai fonts were not displayed properly in Graphics Editor issue. (3878) NOTE: This requires Cscape 9.90 SP9 onwards.
3.	Resolved device was displaying exception when used Copy_CF block - IEC issue. (7631)
4.	Resolved DeviceNet issue. It was not working until the cable from CAN2 port of master was unplugged and plugged back in. (7443)
5.	Resolved Q1 output was not going TRUE after online change issue. (8713)
6.	Resolved Modbus Client protocol issue. It stopped working if more than 16 16-bit external registers / 8 32-bit external registers were used on screen. (9029)
7.	Resolved issue when %R values were not retained after power cycle when HSC preload function was used. (5995)
8.	Resolved alarm history was not listing all alarms on webpages issue. (1643)
9.	Resolved MQTT NBIRTH/NDEATH packets were causing loss of communications issue. (8642) NOTE: This requires Cscape 9.90 SP9 onwards. Added bdsequence number to the birth message packets
10.	Resolved loss of communication issues with BACNet MSTP protocol for X5. (8881) NOTE: X5 only.
11.	Resolved communication issues with ethernet SmartRail bases. (8625)
12.	Resolved CAN connectivity issues when unit was powered on with CAN port connected. (9064/9458)
13.	Resolved extra verbiage issue displayed in Alarm summary and history listings on webpages. (9045)
14.	Added time zone information in email header to avoid email sent from OCS being treated as spam emails. (9105)
15.	Resolved reset issue during opening and closing of port when Modbus RTU master sends query at high speed. (5843) NOTE: Device crash while opening and closing of serial port when Master sends Query at high speed is resolved, whereas power cycle of OCS may be required to recover the communication.

KNOWN ISSUES ON FOLLOWING PAGE

Firmware 15.62 - Known Issues		
	Issue	Affected Controllers
1.	Ethernet Upload / Download delays when exchanging big packets.	RCCs, XL4, EXL6, EXLW, XL7, EXL10
2.	OCS resets when a USB camera is plugged directly into a powered-up unit; only happens with some USB cameras. WORKAROUND: Plug video camera in prior to power-up or use a powered USB hub.	XL4, EXL6, XL7, EXL10
3.	If Retentive trends with log is enabled with Multi-language option, then two log files are created on microSD. Instead of logging data in single file, it is logging in two different files when switching between languages.	X5, XL4, EXL6, EXLW, XL7, EXL10
4.	Sometimes IMX 28 Wi-Fi module not detected and sometimes Wi-Fi hardware is detected but MACID of WIFI module is not detected. (1964) WORKAROUND: Unplug and plug the Wi-Fi module. Power cycle the device after plugging the module.	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
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	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
6.	Wi-Fi settings for pgm file updates after power cycle. Issue is seen only when same PGM is loaded (It is as designed). If a PGM with different WIFI config is loaded, it will load new parameters (issue is not seen). (1919)	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
7.	Slide key is hidden behind trend / graph object when configured for full screen. (2044)	EXLW
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. (4716)	RCC2414 only
10.	Multiple CF operations are allowed in Enhanced IEC. (4704)	X5, XL4, EXL6, EXLW, XL7, EXL10
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)	X5, XL4, EXL6, EXLW, XL7, EXL10
13.	Alarm blocks in IEC gives System exception while accessing previous alarms. (4474)	X5, XL4, EXL6, EXLW, XL7, EXL10
14.	LREAL type Setpoint variables are not getting loaded by loading pgm file into the device - RBAL and VBAL. (5795)	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
15.	ASCII to LREAL and DINT to LREAL conversion blocks are not working properly. (5262)	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
16.	Enhanced IEC - MODBUS Map slave block length check for Read Holding Register and Read coil bits are incorrect. (5770) WORKAROUND: Configure same array length for Input Bits and coil Bits. Similarly configure same array length for Input register and Holding Register	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
17.	Enhanced IEC - MODBUS ASCII protocol is not working for Do Request and old User Master blocks. (5771) WORKAROUND: Use MODBUS RTU protocol in Master block or use serial Downloadable with Modbus ASCII protocol.	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
18.	Enhanced IEC - Using multiple MODBUS blocks Do request and old user in same program with same port are not reading data from slave. (5784) WORKAROUND: Use serial downloadable protocol.	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
19.	Enhanced IEC - Not able to write values to %SR210 and %SR211 from screen and data watch for UTC. (5824)	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
20.	Enhanced IEC - Press key ladder block is not functioning. (5822)	X5, XL4, EXL6, EXLW, XL7, EXL10
21.	For editable objects, pop up keypad will not display header name properly if user configures external fonts. WORKAROUND: Use internal fonts for correct header name display.	X5, XL4, EXL6, EXLW, XL7, EXL10
22.	New License file FoRmat "FeatureLicense-MacID" is NOT working for RCC units. (10045) WORKAROUND: Rename the license file as "featurefirmware.lic"	RCC units only

