

## Firmware 15.54 Release Notes

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Horner Automation has released a new Firmware revision for the 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	15.54
OS Version	2.6.35.80
InitRd	1.24

**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 15.54 - New Features	
1.	Time-out of Modbus Slave and SRTP increased from 60 to 380 seconds. (5398)

Firmware 15.54 - Significant Bug Fixes	
1.	In the Report Editor, an extra <space> character was being added to the end of the report before the Carriage Return, resulting in certain printers not to work as expected. (4699)
2.	Real to DINT conversion was giving incorrect result for some values. (5314)
3.	Resolved System exception issue when downloaded BACNet protocol without configuring any devices / scan list. (5591)
4.	RCC1410 & RCC8842 were not retaining retentive memory after power cycle when the battery voltage dropped below 4V. (6081)
5.	Radio Modem support has been added to MJ1 port and removed from MJ3 port. (588) <b>NOTE:</b> Changes available in Cscape 9.90 SP5 onwards.
6.	F-keys tied to switch screen coils would sometimes remain held during the screen switch until pressed again. (4668) <b>NOTE:</b> Applies to EXL6, EXLW and X5 only.
7.	ModbusTCP communication was not starting until Reacquire Time has timed out. (5042)
8.	Modbus TCP communication would stop due to DHCP lease time getting expired. (6101)
9.	Unit would lose communication with Cscape over Ethernet when unit when there are multiple slaves configured in the program but not connected. (4700)
10.	WebMI license was lost if there is a flat / faulty controller battery - License duration check will not be done for lifetime licenses. So, even if battery fails, license will be valid for lifetime licenses. (3429)
11.	Model displayed incorrectly on the EXLW units. (6005) <b>NOTE:</b> Resolved for CsCAN models.
12.	Remove all options for firmware upgrade except "Install Bootloader". (6333)
13.	a. Packets getting delayed beyond the set update interval When Update interval option was selected in the Client protocol (5398) b. Previous sockets were getting closed before sending the re-connect packet (5398)

Firmware 15.54 - 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. <b>WORKAROUND:</b> 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) <b>WORKAROUND:</b> After Power cycle or Unplug and plug the Wi-Fi 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) <b>WORKAROUND:</b> 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. (1919) <b>WORKAROUND:</b> 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).	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)	EXLW
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 Cscape SP4 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.	<b>Enhanced IEC</b> - MODBUS Map slave block length check for Read HoldingRegister and Read coil bits are incorrect. (5770) <b>WORKAROUND:</b> 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.	<b>Enhanced IEC</b> - MODBUS ASCII protocol is not working IEC for Do Request and old User Master blocks. (5771) <b>WORKAROUND:</b> Use MODBUS RTU protocol in Master block or use serial Downloadable with Modbus ASCII protocol.	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10
18.	<b>Enhanced IEC</b> - Using multiple MODBUS blocks Do request and old user insame program with same port are not reading data from slave. (5784) <b>WORKAROUND:</b> Use serial downloadable protocol.	RCCs, X5, XL4, EXL6, EXLW, XL7, EXL10

19.	<b>Enhanced IEC</b> - 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.	<b>Enhanced IEC</b> - Press key ladder block is not functioning. (5822)	X5, XL4, EXL6, EXLW, XL7, EXL10

## Technical Support

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