Firmware 16.30 Release Notes

Horner Automation has released a new Firmware revision for the **XL6 Prime, XLW Prime, XL4 Prime, XL7 Prime, XL10 Prime, X5 Prime.**
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 for the XL6 Prime, XLW Prime, XL4 Prime, XL7 Prime, XL10 Prime, X5 Prime.	
Firmware	16.30
OS	5.19.49
System Version	44

Firmware 16.30 – New Features	
1.	Added new OCSIO modules - DQM606, DIM610 and CNX100 **NOTE:** CNX100 requires Cscape 9.90 SP10 onwards
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
3.	Added Ethernet dongle status register - %S15 (10185) **NOTE**: When the Ethernet dongle is connected, %S15 bit will be enabled, once it is removed, %S15 bit will be disabled.
4.	Feature request to add a reset bit for EtherNet/IP Server. (8633) **NOTE:** SR156.3 for Ethernet/Ip protocol Lan1 reset. SR153.3 for Ethernet/Ip protocol Lan2 reset.

Firmware 16.30 – Bug Fixes	
1.	Resolved issue wherein user was not able to access files in a folder when FTP was configured as Read Only (10040)
2.	Resolved issue wherein MQTT NBIRTH/NDEATH packets were causing loss of communications (8642) **NOTE: This requires Cscape 9.90 SP9 onwards.** Added bdsequence number to the birth message packets.
3.	Added time zone information in email header to avoid email sent from OCS being treated as spams (9105)
4.	Resolved issue wherein unit was not showing negative value when CPU temperature was below Zero deg C and min/max value would wrap around (8587)
5.	Resolved issue wherein only limited number of users configured in user security configuration was working (10016)
6.	Resolved issue wherein device would PING for an invalid subnet mask configured (8765)
7.	Resolved issue wherein unplugging and plugging LAN cable from ETX200 base was not resuming communication on their own and required device restart to resume communications (8635)

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 16.30 – Known Issues	
	Issue	**Affected Controller(s)**
1.	CANOpen application doesn't work properly if the application is converted from IEC to EIEC back and forth couple of times and then downloaded. (6919)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
2.	Downloading of program is not working via CanOpen Passthrough. (7070)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
3.	Snapshot / Continuous trend after power cycle starts at a slow pace and then picks up speed. (6866)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
4.	Changing of CAN baud rates continuously in system menu causes unit to reset and watch dog count wil be increased - Randomly seen. (6817)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
5.	Retentive trend - After power cycle, doesn't retain value and no vertical line is drawn. (7344)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
6.	X5 Prime - Digital outputs turn ON when the device is powered on Improvised fix with minor glitch time of 1.8sec. (8453)	X5 Prime
7.	Streaming is not working for "FULL SCREEN" resolution. (8535)	X5 Prime
8.	Screen capture is not working for playback and streaming. (8536)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
9.	Auto Restore of Backup data is not loading on failure of Battery (9538)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
	Firmware 16.30 – Known Issues in XL Prime OCS Series which are also seen in XL OCS Series (FW 15.62)	
	Issue	**Affected Controller(s)**
10.	J1939 Protocol EIEC - Transmit PGNs Send On trigger is not working. (7458)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
11.	IEC Open Flexible Comm block not working for any of the ports without tagging variables in the block with AOS enabled. (7727)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
12.	Wi-Fi downloadable protocol (Modbus Client) is not working with Dynamic scan list / External Registers (XL4 as master). (7517)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
13.	Sun Position block is not working properly - Variation in Azimath angle is seen in RBAL and EIEC. (7696)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
14.	Creation of recipe file (*.csv) within folder is not working. (7608)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
15.	String block Insert Character is not inserting character while giving string input(Sin) as constant – EIEC. (7669)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
16.	PWM 1 and 2 at the max value on a Oscope, the line is on the low end. (7676)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime

17.	WebMI issue – a) Menu Object - GrEdit Screen Sync options is not working for Menu Options like Enter, Esc and Others. b) Bit Map - No of Colors 2 is not working, no of colors 16 - WebMI and OCS screen shows differently. c) Data Trend – Axis properties -> X-Axis Range font not showing as per selection d) Retentive Trend – Accessing Data Trend page, If user navigates between tabs then Data Trend is not showing properly on webpage. Minutes and Hours sample rate is not working properly on webpages. e) Removable Media - Selecting RM block doesn't display files (7452)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
18.	Serial downloadable Port MJ1/MJ2 issues (External registers) – a) Serial Downloadable Master/Slave Parity and stop bits mismatch - CRC and NO response not increasing b) Manual update trigger bool gets reset without successful polling, when the Slave ID is Invalid c) Dynamic or External Register Scan list, while switching screen 3 to 4 times, continuously increasing corrupt response for 1 to 3mins, for every screen switch time 1 to 3 Corrupt response is increasing and 1% No Response Error increased (6837)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
19.	Device not going to RUN mode if CANOpen SET NMT block is configured in AOS Enabled IEC program. (7554)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
20.	Line shape object - for line color selected as None, white line is displayed on device. (6872)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
21.	EIEC Gauge Object issue – a) Needle length is not working when configured via register/variable reference. (8994)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime
22.	%SR5 doesn't display correct value when device is in online / safe mode. (6744)	XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, X5 Prime

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