Firmware 16.32 XL Prime Release Notes

Horner Automation has released a new Firmware revision for the X5 Prime, XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, and XL10 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 Products:	
X5 Prime XL4 Prime XL6 Prime XLW Prime XL7 Prime XL10 Prime	
Firmware	16.32
Operating System	4.19.49
System Version	59

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 16.32 – Improvements
Affected Controllers: X5 Prime   XL4 Prime   XL6 Prime   XLW Prime   XL7 Prime   XL10 Prime

1.	Added build version and firmware version in system menu	view status.
2.	Added limitations for Enhanced IEC Removable media Write and Read blocks to resolve the screen calibration being corrupted / system exception was being obtained when data was being written beyond 128 words (%M2048) using write removable media block

Firmware 16.32 – Bug Fixes
Affected Controllers: X5 Prime   XL4 Prime   XL6 Prime   XLW Prime   XL7 Prime   XL10 Prime

1.	Added support for using external modem as client with modem blocks.
2.	Resolved MAC ID was not being displayed in LAN2 when USB to ethernet dongle was used.
3.	Resolved Modbus Client sending zero value when Holding Register was not zero.
4.	Resolved screen calibration corruption when data was being written beyond 128 words (%M2048) that was using the Write removable media block.
5.	Resolved the following issues: • UTC time not being updated when downloaded from Cscape. • Default audio volume was too low when compared with previous firmware versions. Note: UTC time will not be updated when downloaded from Cscape using IEC/Enhanced IEC language.
6.	Resolved CAN2 stops working after several power cycles.
7.	Resolved possible condition where device could get stuck on splash screen after several power cycles.
8.	Resolved %SR181 and %SR182 not updating for Unacknowledged and Active alarms.
9.	Resolved an unintended condition in which the display could be kept on by a mini-USB connection even when 24V supply to the controller was removed.
10.	Resolved title bar of password object showing nonsense when Unicode fonts were created.
11.	Resolved WebMI alarm history page not listing the RTN alarms.
12.	Resolved CANOpen blocks not working when CAN1 port was configured as CANOpen and CAN2 port as J1939.
13.	Resolved ASCII string on the Allen Bradley PLC was being corrupted when second ASCII string was being transferred from controller.

Firmware 16.32 – XL Prime Known Issues	
Affected Controllers: XL4 Prime XL6 Prime XLW Prime XL7 Prime XL10 Prime X5 Prime	
1.	CANOpen application does not work correctly if the application is converted from IEC to EIEC back and forth a couple of times and then downloaded.
2.	Downloading of program is not working using CanOpen Passthrough.
3.	For Snapshot/Continuous trend types, after the power-cycle starts at a slow pace and then increases in speed.
4.	Changing of CAN baud rates continuously in system menu may cause unit to reset and watchdog count may increase (random occurrence)
5.	Retentive trend - After power cycle, plot always starts from the start of the plot area and the vertical line is not drawn.
6.	Screen capture shows a black rectangle in the place of a video object while viewing the captured image if video object is configured on the screen.
Applicable to X5 Prime Models Only	
7.	Digital outputs turn ON for 1.8 seconds when the device is powered on.
8.	Streaming is not working for Full Screen resolution.

Firmware 16.32 – XL Prime + XL Known Issues	
(Issues found in the XL Prime OCS Series may also appear in the XL OCS Series [FW 15.64])	
Affected Controllers: XL4 Prime XL6 Prime XLW Prime XL7 Prime XL10 Prime X5 Prime	
1.	J1939 Protocol Enhanced IEC - Transmit PGNs Send On trigger is not working.
2.	IEC Open Flexible Comm block not working when variables are not tagged in Array of Structures mode.
3.	Wi-Fi downloadable protocol (Modbus Client) is not working with External Registers.
4.	Creation of recipe file (*.csv) within folder is not working.
5.	String block Insert Character is not inserting character while giving string input(Sin) as constant in Enhanced IEC.

Firmware 16.32 – XL Prime + XL Known Issues
(Issues found in the XL Prime OCS Series may also appear in the XL OCS Series [FW 15.64])

Affected Controllers: XL4 Prime   XL6 Prime   XLW Prime   XL7 Prime   XL10 Prime   X5 Prime

6.	PWM1 and PWM2 do not work correctly for maximum count of 32000.
7.	WebMI • **Menu Object:** Edit Screen Sync options not working for Menu Options like Enter, Esc and Others. • **Bitmaps:** In Bitmaps, Number of Colors selection 2 is not working and there is difference seen in the webpage and device when Number of Colors selection is 16. • **Data Trend**: X-Axis Range font is not appearing as per the configuration. • **Retentive Trend**: When accessing the Data Trend page, if the user navigates between tabs, then Data Trend does not appear correctly on the webpage. The Minutes and Hours sample rate is not working correctly on webpages. • **Removable Media** is not functional.
8.	Serial downloadable Port MJ1/MJ2 (External Registers only) a) If there is a mismatch between the serial downloadable master / slave parity and stop bits; the CRC and No response is not increasing. b) Manual update trigger bool is resetting without successful polling when the Slave ID is Invalid. c) The External Register, while switching screen 3 to 4 times, continuously increases corrupt response for 1 to 3mins, for every screen switch.
9.	Device not entering RUN mode if CANOpen SET NMT block is configured in Array of Structure Enabled IEC program.
10.	If the line color is selected as 'None' in the line shape object then a white line is displayed on device.
11.	%SR5 does not display the correct value when the device is in online / safe mode.

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