Firmware 16.28 Release Notes

Horner Automation has released a new Firmware revision for **XL6 Prime, XLW Prime, XL4 Prime, XL7 Prime, XL10 Prime and 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	
Firmware	16.28
OS Version	4.19.49
System Version	34

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 16.28 – Bug Fix	
1.	Resolved issue when the X5 Prime was reporting bad clock/battery and would sometimes default the clock. (9903)
2.	Resolved issue where audio was not functional when 105 IO card was being used on XL7/XL10 Prime models. This also solves an issue where the unit would boot slower than usual. (7530)

Known Issues	
1.	Inhibit Write command is not working properly for Modbus slave ladder blocks. (7673)
2.	CANOpen application does not work properly if the application is converted from IEC to Enhanced IEC back and forth multiple times then downloaded. (6919)
3.	CANOpen Passthrough is not functioning properly. (7070)
4.	Zero ID is not displaying in System Menu for DeviceNet protocol. (7267)
5.	Snapshot/Continuous trend after a power cycle starts at a slow pace and then picks up speed. (6866)
6.	Occasionally, the changing of CAN baud rates continuously in System Menu causes unit to reset and watch dog count will be increased. (6817)
7.	Retentive Trend, after a power cycle, does not retain value and no vertical line is drawn. (7344)
8.	EnvisionRV is unable to retrieve the correct FW version of the OCS while uploading the program from the controller. (8213)
9.	Device doesn't go to RUN mode, when unit is in idle mode and power cycled after doing Export to RM and loading the PGM on device. (8390) **Workaround:** Either place controller in RUN mode or download program directly from Cscape.
10.	Digital outputs turn ON when the device is powered on. Improvised fix with minor glitch time of 1.8 seconds. (8453)
11.	Streaming is not working with FULL SCREEN resolution. (8535)
12.	Screen capture is not working for playback and streaming. (8536)
13.	Auto Restore of Backup data is not loading on failure of Battery.

NOTE: Issues that are in XL OCS Series might also be seen in XL Prime OCS Series: X5 Prime, XL4 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime.

	Known issues in XL Prime Series, also seen in XL OCS Series (FW 15.60)
1.	J1939 Protocol Enhanced IEC - Transmit PGNs Send On trigger is not working. (7458)
2.	IEC Open Flexible Comm block not working for any of the ports without tagging variables in the block with AOS enabled. (7727)
3.	Wi-Fi downloadable protocol (Modbus Client) is not working with Dynamic scan list / External Registers (XL4 as master). (7517)
4.	Sun Position block is not working properly - Variation in Azimuth angle is seen in Register-Based Advanced Ladder and Enhanced IEC. (7696)
5.	Creation of recipe file (*.csv) within folder is not working. (7608)
6.	In Enhanced IEC, String Block Insert Character is not inserting character while giving string input (SIN) as constant. (7669)
7.	PWM at maximum duty cycle (32000) results in 0V output. (7676)
8.	WebMI issue (7472) a. Menu Object - GrEdit Screen Sync option 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 does not display files.
9.	Serial downloadable Port MJ1/MJ2 issues on External registers (6837) 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.
10.	Device will not go to RUN mode if CANOpen SET NMT block is configured in AOS Enabled IEC program. (7554)
11.	Line Shape Object - for line color selected as None, white line is displayed on device. (6872)
12.	Enhanced IEC Gauge Object issue (6998) a. Needle length is not working when configured via register/variable reference b. Gauge Style – Needle Style is not working properly on device
13.	%SR5 does not display correct value when device is in online / safe mode. (6744)
14.	Alarms and Retentive trend log files (.csv) are not created unless and until power cycled for Variable Based Advanced Ladder and IEC only. (8331)

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