

Firmware 17.02 XL Prime Release Notes

Horner Automation has released a new Firmware revision for the XL Prime products: X5 Prime, XL4 Prime, XL6 Prime, XL7 Prime, XL10 Prime, XL15 Prime, XLW 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>

Latest System File Revisions for Products:	
Firmware	17.02
FPGA	0.2
Operating System	4.19.49
System Version	64

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 17.02 – New Features		Affected Controllers: All Prime Models
1.	Retain variable support added for variable-based advanced ladder Note: This requires Cscape version 10 onwards	
Applicable to XL15 Prime Models Only		
2.	Added support to XL15 Prime model	

Firmware 17.02: Bug Fixes		Affected Controllers: All Prime Models
#	Topic	Description
1.	UTC Time	Fixed UTC time not updating when downloaded from Cscape using IEC or Enhanced IEC language
2.	PID	Resolved issue wherein CV value of a PID block was not getting updated when configured in Enhanced IEC program
3.	Removable Media Copy & Delete Blocks	Resolved: Adjacent status register was being affected when the first status register was updated in the Removable Media copy and delete blocks
4.	Network Time Protocol (NTP)	<ul style="list-style-type: none"> Resolved: NTP was not working when configured with IP address Resolved: NTP server was skipping a day on new year's if it was a leap year
5.	Performance	Resolved: Performance of the device slows down and scan rate increases at higher temperatures
6.	Real-Time Clock (RTC) Time	Resolved: RTC time was being incremented by one (1) hour per power cycle when Daylight Savings Time was enabled
7.	Read Removable Media Block (for ASCII data)	Resolved: In read, the RM block was reading entire elements / data for an ASCII data type instead of reading only the configured number of elements
8	Protocol Size Display – BACNet MSTP	Resolved: Protocol size was displayed as ++++++ for BACNet MSTP server in System Menu > View Status

Firmware 17.02: Known Issues		Affected Controllers: All Prime Models
#	Subject	Description
1.	CANOpen	<ul style="list-style-type: none"> CANOpen application does not work correctly if the application is converted from IEC to Enhanced IEC back and forth couple of times and then downloaded Downloading of program is not working using CANOpen Passthrough Changing of CAN baud rates continuously in the System Menu may cause unit to reset and watchdog count to increase (this is a random occurrence) Device not entering RUN mode if CANOpen SET NMT block is configured in Array of Structure Enabled IEC program
2.	Trend	<ul style="list-style-type: none"> For Snapshot / Continuous trend types, after the power cycle, it starts at a slow pace and then increases in speed Retentive trend types, after the power cycle, does not retain value and no vertical line is drawn
3.	Screen Capture	Screen capture is not working for playback and streaming
4.	J1939 Protocol	Transmit PGNs Send On trigger is not working when configured in Enhanced IEC program
5.	IEC Open Ladder Block	IEC Open Flexible Comm block not working when variables are not tagged in Array of Structure mode
6.	Wi-Fi	Wi-Fi downloadable protocol (Modbus Client) is not working with External Registers
7.	Recipe Configuration	Creation of a recipe file (*.csv) within a folder is not working
8.	String Block	String block Insert Character is not inserting a character while giving string input (Sin) as constant – Enhanced IEC
9.	PWM	PWM 1 and PWM 2 do not work correctly for maximum count of 32000
10.	WebMI Issues	<ul style="list-style-type: none"> Menu Object Edit Screen Sync options are not working for Menu Options like Enter and Esc Bit Map In Bitmaps, Number of Colors Selection 2 is not working and there is a difference seen in the webpage and device when Number of Colors Selection is 16. Data Trend X-Axis Range font is not appearing 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 webpage. The Minutes and Hours sample rate is not working correctly on webpages Removable Media Selecting Removable Media (RM) block does not display files

Firmware 17.02: Known Issues		Affected Controllers: All Prime Models
11.	Serial Downloadable Port MJ1 / MJ2 (External Registers)	<ul style="list-style-type: none"> • If there is a mismatch between the serial downloadable Master / Slave Parity and stop bits, the CRC and No response does not increase • Manual update trigger bool is resetting without successful polling when the Slave ID is Invalid • The External Register, while switching screen 3 to 4 times, continuously increases corrupt response for 1 to 3mins, for every screen switch
12.	Shape Object	If the line color is selected as 'None' in the line shape object, then a white line is displayed on device
13.	%SR5	%SR5 does not display correct value when device is in online / safe mode
Applicable to X5 Prime Models Only		
14.	Digital outputs	Digital outputs turn ON for 1.8 seconds when the device is powered on
15.	Video Streaming	Streaming is not working for "FULL SCREEN" resolution

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