

Firmware 17.40 XL Prime Release Notes

Horner Automation has released a new Firmware revision for the following **XL Prime** products: XL4 Prime, X5 Prime, XL6 Prime, XLW Prime, XL7 Prime, XL10 Prime, XL10W and XL15 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	17.40
FPGA	0.2
Operating System	4.19.49
System Version	113

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.

New Features		Affected Controllers: All Prime models
1.	Added WebMI 2.0 support Note – Requires Cscape 10.2 SP1 onwards	
2.	Added support for ASCII username and password Note – Requires Cscape 10.2 SP1 onwards	
3.	Implemented new retentive timer and counter blocks that retain accumulator values after a power cycle Note – <ul style="list-style-type: none"> • Applicable to Enhanced IEC only • Requires Cscape 10.2 SP1 onwards 	
4.	Added support to HSC840 and NTC800 OCS-I/O modules Note – Requires Cscape 10.2 SP1 onwards	
5.	Added “Use as Default Gateway” option Note – Requires Cscape 10.2 SP1 onwards	

Bug Fixes		Affected Controllers: All Prime models
#	Main Subject	Description
1.	Email	Resolved issue wherein email stopped working when used Secomea Email Relay on port 25 without authentication
2.	Modbus master block	Resolved issue where the device displayed an exception when the program was configured with a Modbus Master block and array of structures was enabled Note – Applicable to IEC and Enhanced IEC blocks
3.	ASCII TCP/IP server protocol	Resolved issue where the ASCII TCP/IP Server protocol did not function when configured with registers beyond %R10000
4.	Ethernet status TX/RX bits	Resolved issue where Ethernet status TX/RX bits were not shown as active when MQTT and OCS360 were enabled
5.	Loading .PGM placed inside a folder	Resolved issue where a .PGM file placed inside a folder was not loading
6.	GE SNP protocol using full duplex RS485	Resolved issue where GE SNP protocol was not working over RS-485 full duplex communication Note – <ul style="list-style-type: none"> • Requires SNP dll v5.02 onwards • Requires Cscape 10.2 SP1 onwards

Bug Fixes			Affected Controllers: All Prime models
7.	Large scan list entries for multiple ports	Resolved issue wherein the device displayed system exception when devices with dual ports were configured with downloadable protocols having large scan list entries for two or more ports	
8.	LAN status configuration	Resolved issue where the LAN configuration status read a value of zero when configured with registers beyond %R8193	
9.	Trend graphs for negative Y axis	Resolved issue where negative Y-axis values were not plotted correctly in trend graphs	
10.	CANOpen blocks with Array of Structure	Resolved issue that caused the device to enter Idle mode after downloading a CANOpen Blocks program with the "Array of Structures" option enabled	

Known Issues			Affected Controllers: All Prime models
#	Subject	Description	Workaround
1.	CANOpen	<ul style="list-style-type: none"> Downloading the program is not working using CANOpen Passthrough Changing CAN baud rates continuously in the system menu may cause the unit to reset, and the watch dog count may increase (this is a random occurrence) 	N/a
2.	Trend	<ul style="list-style-type: none"> For Snapshot / Continuous trend types, the power cycle starts at a slow pace and then increases in speed Retentive Trend – After a power cycle, the vertical line indicating a power loss is not being drawn on the trend 	N/a
3.	J1939 protocol	Transmit PGNs Send On trigger is not working when configured in Enhanced IEC program	N/a
4.	IEC Open ladder block	IEC Open Flexible Comm block is not working when variables are not tagged in the Array of Structure mode	N/a
5.	Recipe configuration	The creation of recipe file (*.csv) within folder is not working	N/a
6.	String block	The String block Insert Character is not inserting characters while giving string input (Sin) as constant – Enhanced IEC	N/a
7.	PWM	PWM 1 and PWM 2 do not work correctly for maximum count of 32000	N/a

Known Issues			Affected Controllers: All Prime models
8.	WebMI Issues	<ul style="list-style-type: none"> • Menu Object Edit Screen Sync options are not working for Menu Options like Enter, Esc, etc. • 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 	N/a
9.	Historical data on webpage	Historical data of trends object is not supported on web pages	N/a
10.	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 do not increase. • The manual update trigger bool is resetting without successful polling when the slave ID is Invalid. • The External Register, while switching screen three (3) to four (4) times, continuously increases corrupt response for one (1) to three (3) minutes, for every screen switch. 	N/a
11.	Shape object	If the line color is selected as 'None' in the line shape object, a white line appears on the display of the device	N/a
12.	SR5	%SR5 does not display correct value when device is in online / safe mode	N/a
13.	WIFI in Client mode	The device requires a power cycle for WI-FI to work when a user downloads the WI-FI client program after downloading the access mode program	N/a
14.	Legend for entering UN and PW	When entering an alphanumeric username and password on the device, the legend is not displayed on XL4 Prime and X5 Prime models	N/a
15.	LAN1/LAN2 scan list data overlapping	When all scan lists are triggered simultaneously through logic in Modbus, the LAN1 scan list data beyond index 256 overlaps with the first entry of the LAN2 scan list	N/a
Applicable to X5 Prime Models Only			
16.	Digital outputs	Outputs that are ON during a power cycle may remain ON for up to 1.8 seconds while the unit reboots	N/a

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