

Firmware 17.10 XL Prime Release Notes

Horner Automation has released a new firmware version for the XL Prime product family, targeting all XL Prime models: **XL6 Prime, XLW Prime, XL4 Prime, XL7 Prime, XL10 Prime, XL10W Prime, X5 Prime, and XL15 Prime.**

This is available for download from the firmware section on the following websites:

North American Website <https://hornerautomation.com/controller-firmware>

European Website <http://www.hornerautomation.eu>

Latest System File Revisions for Products:	
Firmware	17.10
FPGA	0.2
Operating System	4.19.49
System Version	82

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 before deployment of the new firmware.

Firmware 17.10 – New Features	
1.	<p>Added: OCS360 support.</p> <p>Note(s)</p> <ul style="list-style-type: none"> • Requires Cscape version 10.1 onwards • OCS360 status information is now consistent with MQTT.
2.	<p>Added: Support for multiple USB video streaming.</p> <p>Note: Requires Cscape version 10.1 onwards</p>
3.	<p>Added: System Register bit for System Menu access.</p> <p>Note: Requires Cscape version 10.1 onwards.</p>
4.	<p>Added Security Improvements: Ethernet ports are opened only if configured in Cscape and downloaded to the device.</p>
5.	<p>Added: “Set Local ID” option is supported for both CsCAN and CANOpen network types.</p> <p>Note: Requires Cscape version 10.1 onwards</p>
6.	<p>Added support to apply license through System Register and System Menu.</p> <p>Note: Requires Cscape version 10.1 onwards</p>

Firmware 17.10 – Bug Fixes		
#	Main Subject	Description
1.	Static Bitmap	Resolved: Bitmaps were not displayed on the device.
2.	NMT Start Command After Powering Up	Resolved: The device was not sending the NMT start command to CANOpen devices after powering up.
3.	Force During Debug Mode	Resolved: Forcing was not working when the unit was placed in debug mode.

Firmware 17.10 – Known Issues		
#	Subject	Description
1.	CANOpen	<ul style="list-style-type: none"> • CANOpen application does not work as expected if the application is converted from IEC to Enhanced IEC, then from Enhanced IEC to IEC, then again from IEC to Enhanced IEC and back... repeatedly – followed by attempting to download. • Downloading of 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 watchdog count may increase (this is a random occurrence). • The device is not entering RUN mode if CANOpen SET NMT block is configured in the Array of Structure Enabled IEC program.
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.
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 is not working when variables are not tagged in the Array of Structure mode.
6.	Recipe Configuration	The creation of recipe file (*.csv) within folder is not working.
7.	String block	The String block Insert Character function is not inserting characters while giving string input (Sin) as constant – Enhanced IEC
8.	PWM	PWM 1 and PWM 2 do not work correctly for the maximum count of 32000.
9.	WebMI Issues	<ul style="list-style-type: none"> • Menu Object Edit Screen Sync options are not working for Menu Options like Enter, Esc, etc. • Bit Map In Bitmaps, the Number of Colors Selection 2 is not working correctly and there is a difference seen in the webpage and device when the Number of Colors Selection is 16. • Data Trend X-Axis Range font does not appear 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 web pages. • Removable Media Selecting the RM block does not display files

Firmware 17.10 – Known Issues		
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 screens three (3) to four (4) times, continuously increases corrupt response for one (1) to three (3) minutes, for every screen switch.
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.
12.	System Register %SR5	%SR5 does not display the correct value when the device is in online/safe mode.
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 the downloading of the access mode program.
14.	Digital Outputs	<p>For X5 Prime units only</p> <p>Outputs that are on during a power cycle may remain on for up to 1.8 seconds while the unit reboots.</p>

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