

Firmware 17.30 (Canvas) Release Notes

Horner Automation has released a new Firmware revision for the following **Canvas** products:
Canvas 4, Canvas 5, Canvas 7, Canvas 7D, and Canvas 10D.

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	17.30
FPGA	0.2
Operating System	4.19.49
System Version	99

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 Canvas models unless otherwise stated
1.	Added CPU300 model support.	
2.	Added “OCSIO Base Identification” feature, including the capability to trigger it from the System Menu. Note : Requires Cscape 10.2 onwards	
3.	Added OCS360 System Menu Pages	
4.	Enhancements were made in the boot-up message by displaying the boot-up messages in a single screen.	
5.	Security Improvement Ethernet ports are open only if they are configured in Cscape and downloaded to the device.	
6.	Added logging of “return” state alarms, wherein if the alarm was acknowledged, but still in the alarm state, after the alarm returns to normal, the return was not being logged.	
7.	Added the following system register bits for Save PGM Fail and Load PGM fail. SR164.11 – Save PGM fail bit SR164.12 – Load PGM fail bit	
8.	Added system register bit for restore operation from logic: %SR164.16 – Restore operation	

Bug Fixes		Affected Controllers: All Canvas models unless otherwise stated
#	Main Subject	Description
1.	Loading .Pgm of Incorrect I/O Configuration	Resolved - Loading a .pgm file did not match the exact model of the OCS and was not displaying an error message on the device.
2.	Video Object	Resolved - Playing certain video files having non-standard resolution resulted in the shifting of the video towards the right of the video object.
3.	Enhanced Display Attributes	Resolved - The screen was loading objects with default settings first, and then followed by the Enhanced Display Attributes structures configured
4.	Button Touch	Resolved - Button touch was not working if the button visibility was configured as OFF and showed the icon option was unchecked.
5.	LAN2 Data Spilling into LAN1	Resolved - LAN2 data was spilling onto LAN1 data registers when using EtherNet/IP on both LAN1 and LAN2.

Bug Fixes		Affected Controllers: All Canvas models unless otherwise stated
6.	Email Sending	Resolved - Email sending using a cell modem was not working after restoring a signal, which resulted in a send failure.
7.	Ethernet Configuration – IP Address	Resolved – The dynamically configured IP address was not editable using the System Menu in Idle mode.
8.	Ethernet I/P Configuration	Resolved – The Ethernet/IP protocol stops working if the Consumed/Produced configuration exceeds 128 words.
9.	Multi-position Selector Switches	Resolved - The way the multi-position selector switch works. <ul style="list-style-type: none"> • For Example – A three-position selector switch works from 0-1-2, 0-1-2 positions to 0-1-2, 2-1-0 positions when operated. • Note - Requires Cscape 10.2 onwards
10.	Menu Object	Resolved - The following gesture changes are in the menu object page: <ul style="list-style-type: none"> • The left side of the menu object page is mainly used for scrolling purpose - touch will not select any menu item. • The right side of the menu object page is for scrolling and selecting / editing purposes.
11.	External Mouse issues	Resolved – The mouse scroll was not working when using an external wired mouse for operations.
12.	WI-FI System Menu Page	Resolved - Optimized the WI-FI System Menu page, wherein opening the WI-FI System Menu page was increasing the scan rate slightly.
13.	CANOpen protocol	Resolved the following issues related to the CANOpen protocol: <ul style="list-style-type: none"> • Resolved - Set NMT block for self-node was not working in the CAN2 port for an Enhanced IEC program. • Resolved – The device was displaying a system exception when triggered “CANopen Receive Emergency Device” CANOpen block is in an Enhanced IEC program. • Resolved - The device was displaying a system exception when downloading the CANOpen program while Array Of structures is enabled. <ul style="list-style-type: none"> — Workaround (Applies to 3rd bullet only): Power cycle the device and redownload the program for an Enhanced IEC program.
14.	Alarm Acknowledgment in WebMI Plus	Resolved - Alarm acknowledgment was not working in WebMI Plus pages.
15.	Performance of Toggle Buttons	Resolved - Improved the response time of toggle buttons when a greater number of buttons were configured in a screen.
16.	Modbus TCP/IP with External Registers	Resolved - Modbus TCP/IP configured with external registers was not working for a program created in Cscape 9.90 and downloaded from Cscape 10.

Bug Fixes		Affected Controllers: All Canvas models unless otherwise stated
17.	Alarms Display in WebMI Plus	Resolved - Alarms were not being displayed on the summary and history list after 170 alarms were shown in the history list in WebMI Plus pages.
18.	System Menu Pop Up When Enabling System Lock Feature	Resolved – Occasionally, System Menu pages were displayed when the System Key is pressed, even though the System Lock was enabled.
19.	Multiple MODBUS Blocks Do Request, And Old User Blocks	Resolved - Data from the slave was not being read when there were multiple MODBUS blocks Do requests and old user blocks were used in the same program with the same port being configured in an Enhanced IEC program.
20.	Fluctuation in Analog Input Values	Resolved - Analog Input values were fluctuating. Note: Applies only to Canvas 7D / Canvas 10D with Models 2, 3 and 4
21.	Failure of Auto-populate	Improved auto-populate feature in OCS-I/O. Note: Requires CNX116 / CNX100 firmwear version 48 onwards.

Known Issues			Affected Controllers: All Canvas models unless otherwise stated
#	Subject	Description	Workaround
1.	WebMI Plus – Switch/Button Delayed Responsiveness	If the switch is turned to ON, it does not instantly turn on the WebMI. Instead, it first turns on the device and then turns on the WebMI.	N/a
2.	WebMI Plus – Mobile Devices	Multiple XY Graph/Trend objects, when configured in a single screen, do not work on mobile devices.	N/a
3.	Video Object	Video Object does not work for some video Codecs like H264 – MPEG – 4 AVC (part10) (avc1)	N/a
4.	WI-FI 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
5.	Historical Data on Webpage	The historical data of trends object is not supported on web pages.	N/a

Known Issues			Affected Controllers: All Canvas models unless otherwise stated
6.	PGM load	If a user creates a .PGM file using Firmware 17.20 and then loads in an older/earlier firmware (earlier than firmware 17.20), then the device displays a keypad pop-up instead of a failure message.	N/a
Canvas 10D Only			
7.	Splash Screen	Canvas 10D does not display the splash screen for a second time during boot-up, as do all other Canvas products.	N/a

Technical Support

North America:

Tel: (317) 916-4274

Fax: (317) 639-4279

Website: <https://hornerautomation.com>

Email: APGUSATechSupport@heapg.com

Europe:

Tel: (+353)-21-4321-266

Fax: (+353)-21-4321826

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

Email: technical.support@horner-apg.com