

Firmware 17.40 (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	17.40
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 Canvas models unless otherwise stated
1.	Added support for ASCII username and password Note – Requires Cscape 10.2 SP1 onwards	
2.	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 	
3.	Added support to HSC840 and NTC800 OCS-I/O modules Note – Requires Cscape 10.2 SP1 onwards	
4.	Added following keys support on ASCII keyboard – (·) Middle Dot, ½ (One-half), ÷ (Division Sign), × (Multiplication Sign), « (Left Angle Quote), » (Right Angle Quote), £ (Pound Sign), ¢ (Cent Sign), ¥ (Yen Sign), § (Section Sign), ® (Registered Trademark)	
5.	Added “Use as Default Gateway” option Note – Requires Cscape 10.2 SP1 onwards	

Bug Fixes			Affected Controllers: All Canvas models unless otherwise stated
#	Main Subject	Description	
1.	Email	Resolved issue wherein email stopped working when used Secomea Email Relay on port 25 without authentication	
2.	User notification while switching screens	A “Loading” message is displayed and remains visible until the next page is fully loaded when screen switching is slow	
3.	EIP client protocol	Resolved issue where the device displayed a system exception when switched to Run mode if the screen was configured with an EtherNet/IP (EIP) Client external register Note – Applicable to CPU300 only	
4.	Modbus master block with array of structures	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	
5.	ASCII TCP/IP server protocol configuration	Resolved issue where the ASCII TCP/IP Server protocol did not function when configured with registers beyond %R10000	

Bug Fixes		Affected Controllers: All Canvas models unless otherwise stated
6.	Load PGM file with large graphics	Resolved the following issues related to a file having graphics larger than approximately 80MB – <ul style="list-style-type: none"> • Screen displayed “Invalid Graphics” message when performing Save/Load PGM or Save/Load Clone operations • Screen went blank when exporting to RM, loading the file twice, and placing the device into Run mode
7.	Loading .PGM	Resolved issue where a .PGM file placed inside a folder was not loading
8.	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
9.	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
10.	Alarm object	Resolved issue where data overlap occurred in the Alarm object when user entered data with length shorter than the configured data length
11.	ETN300 on WIFI	Resolved issue where Ethernet resident protocols were not functioning in Wi-Fi Access Point and Client modes Note – Applicable to CPU300 only
12.	Loading recipe name / index	Resolved issue where recipe name or index was not populated in the assigned variable after loading a recipe when recipe storage configuration was enabled Note – Requires Cscape 10.2 SP1 onwards
13.	LAN status configuration	Resolved issue where the LAN configuration status read a value of zero when configured with registers beyond %R8193
14.	Screen change via Move block	Resolved issue where screen change via Move block logic did not work on the device
15.	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
16.	Download speed	Optimized download speed over Serial and USB-to-Serial communication for Canvas models Note – Requires Cscape 10.2 SP1 onwards

Known Issues			Affected Controllers: All Canvas models unless otherwise stated
#	Subject	Description	Workaround
1.	WebMI Plus – Switch/Button	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 single screen do not work on mobile devices	N/a
3.	Video object	Video object does not work for certain video Codecs like H264 – MPEG – 4 AVC (part10) (avc1)	N/a
4.	WIFI in Client mode	The device requires a power cycle for WI-FI to work when the user downloads the WI-FI client program after downloading the access mode program	N/a
5.	Historical data on webpage	Historical data of trends object is not supported on web pages	N/a
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 device is displaying a keypad pop-up instead of failure message	N/a
7.	Legend for entering username and password	When entering an alphanumeric username and password on the device, the legend is not displayed on Canvas 4 and Canvas 5 models	N/a
8.	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
Canvas 10D Only			
9.	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

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