

Firmware 17.06 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	17.06
FPGA	0.2
Operating System	4.19.49
System Version	72

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 17.06 – New Features		Affected Controllers: All Canvas models unless otherwise stated
1.	Support was added to change the default pen width for Trends and Graph objects.	
2.	Added support for USB video inputs.	
3.	Added new blocks STRINGTOUARRAY and UARRAYTOSTRING in Enhanced IEC to support USINT data types Note: This requires Cscape 10 SP1 onwards.	
4.	<p>The following enhancements have been made in MQTT Sparkplug:</p> <ul style="list-style-type: none"> • Increased store-and-forward queue length from 256 to 1024 • Increased the maximum publish topic size to 256 and 128 metrics per topic • Added Auto Reconnect enable/disable with configurable timeout • Added the ability to choose if a metric should be buffered or not in a store-and-forward situation 	

Firmware 17.06 – Bug Fixes		Affected Controllers: All Canvas models unless otherwise stated
#	Main Subject	Description
1.	Netmask	<p>Resolved: Following a firmware update, the netmask changed to 0.0.0.0 instead of 255.255.255.0</p> <p>Note</p> <ul style="list-style-type: none"> • When the netmask is entered as 0.0.0.0 from the System Menu, it is automatically changed to 255.255.255.0. • When the user downloads a program with netmask 0.0.0.0, the device displays 255.255.255.0 after download.
2.	Replace system graphics – For slide keys	<p>Resolved: Customized slide keys were not being updated by the replace system graphics option and during firmware updates.</p>
3.	Touch area of system key	<p>Resolved: The touch area to bring out the F-Keys in the upper, right corner was too big which was interfering with touchscreen buttons in that area.</p>
4.	Boot issue	<p>Canvas 10D Only</p> <p>Resolved: Booting issue in which the ambient temperature was very hot (60C) / cold (-10C) for Canvas 10D.</p>

Firmware 17.06 – Known Issues		Affected Controllers: All Canvas models unless otherwise stated
#	Subject	Description
1.	WebMI Plus - Switch/Button Delayed Responsiveness	If the switch is turned ON, WebMI does not turn on instantly, but first turns on the device and then on the WebMI.
2.	WebMI Plus – Mobile Devices	Multiple XY Graph / Trend objects, when configured in a single screen, do not work on mobile devices.
3.	External Mouse	Mouse Scroll is not scrolling.
4.	External Keyboard	Up/Down arrow keys are not working for the spinners used to move pages up and down in the System Menu.
5.	Video Object	Video object does not work for some video codecs, for example, H264 – MPEG – 4 AVC (part10) (avc1)
6.	Video Streaming	Video streaming does not work for multiple channels connected in a single instance (all at one time). Channel 1 is currently the only exception to this issue.
7.	Web Designer Plus Portrait Mode	While accessing webpages in Portrait Mode: <ul style="list-style-type: none"> • usernames and passwords entered by the keyboard are not displaying correctly. • some graphic objects are not displaying correctly.
8.	Slider Object	Slider values go beyond the configured limits when trying to increase/decrease values using increment/decrement buttons.
9.	WI-FI in Client Mode	The device requires a power cycle for WI-FI to function correctly when the user downloads the WI-FI client program on top of the Access Mode program.
10.	Splash Screen	Canvas 10D Only Canvas 10D will not display the splash screen for a second time as compared to other Canvas models during boot-up.

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