

Firmware 17.00 (Canvas) Release Notes

Horner Automation has released a new Firmware revision for the **Canvas** products.

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	17.00
FPGA	0.2
Operating System	4.19.49
System Version	61

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 17.00 – New Features		Affected Controllers: All Canvas Models Unless Otherwise Stated
1.	Added enhanced graphics support with 24-bit depth.	
2.	<p>New look and feel of System Menu:</p> <ul style="list-style-type: none"> • Added support of Linear and Grid View display in System Menu • Added dynamic spinner support in System Menu options • Added USB drive option in System Menu • Added safe eject option for Micro SD card removal • Added Auto Load USB option in Fail Safe menu • Added support to view contents of SD card and USB drive in List and Tile formats • Added display of RTC date/time, LAN1 / LAN2 IP address, model information, CAN ID, and device status in each page of System Menu • Slide key can now be accessed from any direction (as configured from Cscope): right, top, left, and bottom edges Note: Applicable only to Canvas 5, Canvas 7, and Canvas 10D 	
3.	<p>New look and feel of System Recovery Screen:</p> <ul style="list-style-type: none"> • Auto Load application from USB • Replace System Graphics from SD • Replace System Graphics from USB • System Upgrade from USB 	
4.	Added support to use external keyboard (partially supported) and mouse	
5.	<p>Added new keypad and spinner options supported to edit data in graphics objects –</p> <ul style="list-style-type: none"> • New look of keypad options to edit data • Spinner mode supported to edit data • Handwriting support added in ASCII keypad 	
6.	New look for user login object	
7.	<p>Trend and XY Graph objects:</p> <ul style="list-style-type: none"> • Added option to enable and disable viewing specified pen in Trend and XY Graph objects • Added zoom in/out and 1:1 lens control support in X-axis / Y-axis on Trend and XY Graph objects • Added pinch zoom support in Trend and XY Graph objects • Added option to enable or disable viewing of pen information on device. 	
8.	<p>New look and feel for Video object:</p> <ul style="list-style-type: none"> • Added playback controls, including play, pause, and rewind. • Added repeat mode options in video object • Added full screen mode control option in video object • Added Video progress bar display 	

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9.	<p>New look and feel for Alarm object:</p> <ul style="list-style-type: none"> • Added new tabbed Alarm screen for Summary, History view and New Alarm banner. • Added new Alarm icons and list view with scrollable feature and support for swipe touch gestures • Added tabbed support in alarms object to view Active Alarms, Acknowledged Alarms, and Cleared Alarms 	
10.	Added swipe gesture support for screen jump object	
11.	Added gesture support for scrolling option to view menu object contents	
12.	<p>Notepad object enhancements:</p> <ul style="list-style-type: none"> • Added option to support pen width in notepad object • Added screen capture support in Notepad object <p>Note: Following file types are supported - JPEG, JPG, PNG, BMP</p>	
13.	Added new enhanced graphic objects including clock and calendar	
14.	Animated picture and/or graphics now supports PNG and GIF types	
15.	Added new look for Selector object	
16.	Added new look for Removable media object	
17.	<p>New look for Recipe object:</p> <ul style="list-style-type: none"> • Added scroll support for selecting a different Recipe database and Ingredients in Recipe object • Added additional operator functions button (Add, Delete, Load, View, Save/Save As, Open Recipe, help) in Recipe Properties window. Note: Displaying of these options depends on configuration from Cscape 	
18.	<p>Added WebMI Plus support with improvements to all enhanced graphics objects. Note: Separate licensing is not required for WebMI Plus functionality. This feature is included in Canvas license.</p> <p>Refer to Cscape 10 release notes for full details.</p>	
19.	<p>Added support for screen caching option on boot up of Canvas controller. User can have both sync and non-sync methods of loading applications, for example:</p> <ul style="list-style-type: none"> • If the user <u>has</u> configured this option in Cscape, screen caching will be included in boot-up and no screens will be accessible by the user until boot-up has completed. • If the user <u>has not</u> configured this option in Cscape, caching occurs after boot-up and user screens are accessible sooner. Note: During caching, a banner will appear on the screen and graphics responsiveness will be noticeably slower. 	
20.	Added retain variables support for variable based Advanced Ladder.	

Canvas Firmware 17.00 – Known Issues		Affected Controllers: All Canvas models
#	Subject	Description
1.	WebMI Plus	Switch/Button delayed responsiveness: If the switch is turned to ON, it does not turn on the WebMI instantly, but instead first turns on the device and then the WebMI.
2.	WebMI Plus – Mobile devices	Multiple XY Graph / Trend objects when configured in single screen does not work on mobile devices
3.	External Mouse issues	Mouse scroll is not working
4.	External Keyboard issues	Up/Down arrow keys are not working for spinners to move pages up and down in System Menu
5.	Video object	Video object does not work for some video Codecs such as H264 – MPEG – 4 AVC (part10) (avc1)
6.	Video streaming	Video streaming is not supported

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