

## Firmware 15.60 Release Notes

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Horner Automation has released a new Firmware revision for the **X4, X7 & X10**. 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>

**NOTE:** This Firmware release requires bootloader to be installed. It is not an option.

Latest System File Revisions for the X4	
Firmware	15.60
BIOS	0.33
CPLD	1.2

Latest System File Revisions for the X7	
Firmware	15.60
BIOS	0.13
CPLD	1.2

Latest System File Revisions for the X10	
Firmware	15.60
BIOS	0.07
CPLD	1.2

**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 15.60 - Bug Fix	
Resolved input glitch caused by beeper function.	9020

Firmware 15.60 - Known Issues		
	Issue	Affected Controller(s)
1.	Filename counter is not working properly if a file with screen capture is downloaded previously. (5717) <b>WORKAROUND:</b> Clear application if the previous csp file had screen capture enabled and re-download the filename counter csp file	X4, X7 & X10
2.	Load Clone feature with password protected Autoload.pgm files. If the correct password is not entered before the timeout, all subsequent attempts to Load will not work, even if the correct password is entered within the timeout period. (5718) <b>WORKAROUND:</b> Clear the application, cycle power to the controller, and perform Load Clone with correct password before timer expires.	X4, X7 & X10
3.	Backup register feature takes long time impacting the scan rate in Run mode. (5719)	X4, X7 & X10
4.	WebMI license details on System Menu is not shown if Ethernet cable is removed. (1258) <b>WORKAROUND:</b> Connect Ethernet cable to check the WebMI license.	X4, X7 & X10
5.	There is a delay of about 1.5-1.8 seconds for the system menu screen to pop-up after pressing system key on an X10. (5160) <b>WORKAROUND:</b> Speed up the system menu by increasing the graphics time slice from default 10mSec to 20mSec.	X10
6.	Sometimes Hardware Fault Error and Watchdog Trip occurs on the device when microSD card is plugged and unplugged continuously. (6785)	X4, X7 & X10
7.	Bootload using mini USB is not working when using Cscope and STM utility v 2.8. (6853) <b>WORKAROUND:</b> Use USB to Serial for bootload update	X4, X7 & X10
8.	If the user enables HSC1 and HSC2 output as toggle and enters preset value in both HSC1 and HSC2, then HSC1 is considering both preset values and does not work.	X4, X7 & X10

## Technical Support

<p><b>North America:</b> Tel: (317) 916-4274 Fax: (317) 639-4279 Website: <a href="https://hornerautomation.com">https://hornerautomation.com</a> Email: <a href="mailto:techsppt@heapg.com">techsppt@heapg.com</a></p>	<p><b>Europe:</b> Tel: (+353)-21-4321-266 Fax: (+353)-21-4321826 Website: <a href="http://www.hornerautomation.eu">http://www.hornerautomation.eu</a> Email: <a href="mailto:technical.support@horner-apg.com">technical.support@horner-apg.com</a></p>
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