

Firmware 15.78 Release Notes

Horner Automation has released a new Firmware revision for the **X4, X7, and 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	15.78
BIOS	0.34
CPLD	1.2

Latest System File Revisions for the X7	
Firmware	15.78
BIOS	0.14
CPLD	1.2

Latest System File Revisions for the X10	
Firmware	15.78
BIOS	0.08
CPLD	1.2

Firmware 15.78 - New Features	
1.	Added CNX100 support for Micro OCS Series. NOTE: Requires Cscape v. 9.90 SP10 onwards.
2.	Added BACNet MSTP downloadable protocol support for Micro OCS Series. NOTE: Requires Cscape v. 9.90 SP11 onwards.

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 15.78 - Bug Fixes	
1.	Resolved issue wherein device was displaying exception for a specific program which had Copy_CF block tagged with register greater than %R2048 in IEC languages. (7631)
2.	Resolved issue where in unit displayed "User Program: Fault" or "APP CRC" error at bootup. (10795)
3.	Resolved Cscape connectivity issue via ethernet communication when running EGD protocol. (10761)
4.	Resolved X10 reset issue when multiple error messages were received by the controller for serial communication protocols. (10840)

Firmware 15.78 - Known Issues		
	Issue	Affected Controller(s)
1.	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) WORKAROUND: Clear the application, cycle power to the controller, and perform Load Clone with correct password before timer expires.	X4, X7, X10
2.	The backup register feature takes a long time impacting the scan rate in Run mode. (5719)	X4, X7, X10
3.	WebMI License details on System menu is not shown if Ethernet cable is removed. (1258) WORKAROUND: Connect Ethernet cable to check the WebMI license.	X4, X7, X10
4.	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) WORKAROUND: Speed up the system menu little by increasing the graphics time slice from default 10mSec to 20mSec.	X10
5.	Sometimes Hardware fault errors and Watchdog trip occur on the device when Micro SD card is plugged and unplugged continuously. (6785)	X4, X7, X10
6.	Bootload using mini-USB is not working (using Cscape and STM utility v 2.8).(6853) WORKAROUND: Use USB to Serial for bootload update	X4, X7, X10
7.	In some of the hardware, IP address is not retained in system menu - Random issue. (7105)	X4, X7, X10

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