

Firmware 15.70 Release Notes

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>

Latest System File Revisions for the X4	
Firmware	15.70
BIOS	0.33
CPLD	1.2

Latest System File Revisions for the X7	
Firmware	15.70
BIOS	0.13
CPLD	1.2

Latest System File Revisions for the X10	
Firmware	15.70
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 15.70 - New Features	
1.	OCSIO support has been added along with new modules - DIM610 and DQM606.
2.	Increased PID blocks support from 4 to 8 for Micro OCS series. NOTE: Requires Cscape 9.90 SP9 onwards.
3.	Added support for optional BACnet IP and CANopen licensed features. NOTE: Requires purchase of HE-VFB1-01 per unit for BACnet IP and HE-VFC1-01 for CANopen.

Firmware 15.70 - Bug Fixes	
1.	Resolved issue when timer output was turning on at startup. (7639 / 1390)
2.	Resolved issue when after power cycle, the first pulse output duration was either missed or too short. (7634)
3.	Resolved issue when Filename Counter was not working properly if a file with screen capture was downloaded previously. (5717)
4.	Resolved issue when unit would lose communication with Cscape over Ethernet when there were multiple slaves configured in the program but not connected. (4700)
5.	Resolved issue when WebMI license was lost if there was a flat or faulty controller battery. License duration check will not be done for lifetime licenses, so even if battery fails, license will be valid for lifetime licenses. (3429)
6.	Resolved issue when screen response to Momentary Button was not working properly for a large button configured on the screen. (8439)
7.	Resolved issue when screen saver was not working for a few hardware revisions. (8018)
8.	Resolved issue when frequent timeouts and reconnects were seen on units running EtherNet/IP server. (8541)
9.	Resolved issue with Modbus TCP communication when 6 or more devices were used. (8362)
10.	Resolved issue when combining characters like Thai fonts were not displayed properly in the Graphics Editor. (3878) NOTE: Requires Cscape 9.90 SP9 onwards.
11.	Resolved ethernet port lock up issues. (8464 / 7052 / 7508)
12.	Resolved flash erase issue on a few hardware revisions after loading 15.60 firmware. (9197)
13.	Resolved issue when user access alarms webpage via web designer model device displayed HardFault error. (8288) NOTE: Issue was seen when unicode strings were configured in alarms configuration.
14.	Resolved issue when device displayed HardFault error when Modbus TCP/IP device list configured with more than 32 slaves was downloaded to device. (7495 / 8531)
15.	Resolved issue when emails sent from the OCS were being treated as spam emails due to email header missing time zone. (9105)
16.	Resolved issue when Quadrature HSC output was not working. (6468)
17.	Resolved issue when accessing webpages used to display frequent "connection timeout". (9869 / 7583)

Firmware 15.70 - 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.	Backup register feature takes 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 by increasing the graphics time slice from default 10mSec to 20mSec.	X10
5.	Sometimes Hardware Fault Error and Watchdog Trip occurs on the device when microSD card is plugged and unplugged continuously. (6785)	X4, X7 & X10
6.	Bootload using mini USB is not working when 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 the System Menu - Random issue. (7105)	X4, X7 & X10

Technical Support

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