

## Firmware 15.82 - X4 / X7 / X10 - Release Notes

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Horner Automation has released a new Firmware revision for 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 and is not optional.

Latest System File Revisions for Products: X4 / X7 / X10	
Firmware	15.82
CPLD	1.2
BIOS	X4 0.34X7 0.14X10 0.08

**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.

<b>Firmware 15.82 – New Features</b>		<b>Affected Controllers: X4 / X7 / X10</b>
1.	System menu   View Status displays both Build version and Firmware version.	

<b>Firmware 15.82 – Bug Fixes</b>			<b>Affected Controllers: X4 / X7 / X10</b>
#	Main Subject	Description	Status
1.	Serial Downloadable Protocol	Unit locked up / froze when serial downloadable protocol was configured. This occurred randomly and was seen in limited hardware	Resolved
2.	CANopen SmartRail	Hardfault errors occur when CANopen SmartRail is configured in the program and downloaded	Resolved
3.	"A:\\" in Copy RM block	Endless loop of nameless folders were being created when "A:\\" in Copy RM block was entered by the user.	Resolved
4.	Title bar of password object	Title bar of password object was showing mixed characters when unicode fonts were created.	Resolved
5.	WebMI	WebMI alarm history page not listing the RTN alarms	Resolved
<b>Firmware 15.82 – Bug Fixes</b>			<b>Affected Controllers: X10 Only</b>
6.	Touchscreen	Touching one place on the screen registers touch on other parts of the screen. Only seen in some but not all, X10 hardware(s).	Resolved

System menu | View Status displays both Build version and Firmware version.

Firmware 15.82 – Known Issues			Affected Controllers: X4 / X7 / X10
#	Subject	Description	Workaround
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	<ol style="list-style-type: none"> <li>1. Clear the application.</li> <li>2. Cycle power to the controller.</li> <li>3. Perform <b>Load Clone</b> with correct password before timer expires.</li> </ol>
2.	Backup register	Backup register feature takes a long time (about 500ms) which impacts the scan rate in Run mode	N/A
3.	WebMI License	WebMI License details on System menu is not shown if Ethernet cable is removed	Connect Ethernet cable to check the WebMI license.
4.	microSD card causing fault errors and Watchdog trips	Sometimes Hardware fault error and Watchdog trip occurs on the device when microSD card is plugged and unplugged continuously	N/A
5.	Bootload using mini USB	Bootload using mini USB is not working using Cscape and STM utility v 2.8	Use USB to Serial for Bootload update.
Firmware 15.82 – Known Issues			Affected Controllers: X10 Only
6.	System Menu Screen delay	There is a delay of approximately 1.5-1.8 seconds for the System Menu Screen to pop-up after pressing System key on an X10	<p>Under <b>Set Screen</b>, increase <b>Update Time (ms)</b>.</p> <p>This can increase graphics response but may slow down logic scan rate.</p>

## Technical Support

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