

Firmware 15.70 (X2, XLE/Ee, XLT/Te) Release Notes

Horner Automation has released a new Firmware revision for products **X2, XLE/Ee and XLT/Te**.

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 the X2, XLE/Ee, XLT/Te	
Firmware	15.70
BIOS	X2 – 0.15, XLE/T - 0.28, XLEe – 0.30, XLTe – 0.33
CPLD	X2 – 1.0, XLE/Ee_XLT/Te – 2.0

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		Affected Controllers: X2, XLE/Ee, XLT/Te
1.	Added “OCSIO Base Identification” feature, including the capability to trigger it from the System Menu. Note: Requires Cscape 10.2 onwards	
2.	Security improvements : Ethernet ports open only if they are configured in Cscape and downloaded to the device.	
3.	Added logging of “return” state alarms, wherein if the alarm was acknowledged, but is still in the alarm state, after the alarm returns to normal, the return was not being logged.	
4.	Added System Register bit for the restore operation from logic. • Restore operation: %SR164.16	
5.	Added System Register bit for indicating the status of CAN port • %SR4.14 indicates a CAN port error and may require a power cycle to recover.	
6.	The “Set Local ID” option is supported for both CsCAN and CANOpen network types. Note: Requires Cscape version 10.1 onwards	

Firmware 15.70 – Bug Fixes		Affected Controllers: X2, XLE/Ee, XLT/Te
#	Main Subject	Description
1.	Loading .Pgm of Incorrect I/O Configuration	Resolved: Loading a .pgm file did not match the exact model of the OCS, and did not display any error message on the device.
2.	Longer Filename Support	Enhanced filename (RM blocks, PGM) support from 8 characters to 47 characters.
3.	Failure of Auto Populate	Improved auto-populate feature in OCSIO Note: Requires CNX116 / CNX100 FW Version 48 onwards.
Applicable to XLEe and XLTe Only		
4.	Ethernet Configuration – IP Address	Resolved: The Dynamically configured IP address was not editable using the System Menu in Idle mode.
5.	ASCII Over TCP/IP	Resolved: (ASCII over TCP/IP) Device status was not displayed correctly after disconnecting and reconnecting the server.
6.	Ethernet I/P Configuration	Resolved: Ethernet/IP protocol stops working if the Consumed / Produced configuration exceeds 128 Words.

7.	WebMI	<p>Resolved the following issues related to WebMI:</p> <ul style="list-style-type: none"> FTP error was being displayed while publishing webpages after a power cycle. WebMI pages not loading – Web pages were not being loaded after sign in.
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Firmware 15.70 – Known Issues			Affected Controllers: X2, XLE/Ee, XLT/Te
#	Subject	Description	Workaround
1.	Security-Enabled Autoload File	If the timer to enter a password expires, the autoload program will not work for the security file.	Clear the application, run a power cycle, then load clone manually.
2.	Datalog	Data logged with 10 groups of 10-Dint variables, and a Watchdog trip/system exception occurs when a MicroSD card is inserted/removed.	Make %SR174.1 high and wait for %SR174.2 to become high before removing the microSD
Applicable to X2 Only			
3.	Serial Downloadable Protocol	If there is parity and stop bit mismatch for the serial setting, the communication still occurs.	N/A
Applicable to XLEe and XLTe Only			
4.	Modbus TCP/IP	The master device communicates with both slaves in Ethernet Modbus TCP/IP protocol communication when configured using the register for trigger bit / manual ID, and the ID is given for a single slave	N/A

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