

## **Firmware 15.80 M4 (X2, XLE/Ee, XLT/Te) Release Notes**

---

Horner Automation has released a new Firmware revision for the M4 Platform 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 the bootloader to be installed and is not optional.

<b>Latest System File Revisions for the X2, XLE/Ee, XLT/Te</b>	
Firmware	15.80
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.

New Features		Affected Controllers: X2, XLE/Ee, XLT/Te
<b>Applicable to X2, XLE/Ee, XLT/Te</b>		
1	Added support to apply a license through the SR register and the System Menu	
<b>Applicable to XLEe, XLTe Only</b>		
1.	Added WebMI 2.0 support <b>Note</b> – Requires Cscape 10.2 SP2 onwards	

Bug Fixes		Affected Controllers: X2, XLE/Ee, XLT/Te
#	Main Subject	Description
1.	Modbus Master Block With Array Of Structures Enabled	Resolved: Device displayed an exception when an IEC program was configured with a Modbus Master block and an array of structures was enabled.
2.	GE SNP Protocol Using Full Duplex RS485	Resolved: The GE SNP protocol was not working over full-duplex RS-485 communication. <b>Note</b> – <ul style="list-style-type: none"> <li>• Requires SNP DLL v5.02 onwards</li> <li>• Requires Cscape 10.2 SP2 onwards</li> </ul>
3.	Trend Graphs For Negative Y Axis	Resolved: The negative Y-axis values were not plotted correctly in trend graphs.

Known Issues			Affected Controllers: X2, XLE/Ee, XLT/Te
#	Subject	Description	Workaround
1.	Datalog	Data logged with 10 groups of 10-Dint variables, and a watchdog trip/system exception occurs when a MicroSD card is inserted or removed.	Make %SR174.1 high and wait for %SR174.2 to become high before removing the microSD

Known Issues			Affected Controllers: X2, XLE/Ee, XLT/Te
<b>Applicable to X2 Only</b>			
2.	Serial Downloadable Protocol	If there is parity and stop bit mismatch for the serial setting, the communication still occurs.	N/A
<b>Applicable to XLEe and XLTe Only</b>			
3.	Modbus TCP/IP	The master device communicates with both slaves using the Ethernet Modbus TCP/IP protocol, when configured with a register for the trigger bit/manual ID, and an ID is assigned to a single slave.	N/A

### Technical Support

**North America:**

Tel: (317) 916-4274

Fax: (317) 639-4279

Website: <https://hornerautomation.com>

Email: [APGUSATechSupport@heapg.com](mailto:APGUSATechSupport@heapg.com)

**Europe:**

Tel: (+353)-21-4321-266

Fax: (+353)-21-4321826

Website: <http://www.hornerautomation.eu>

Email: [technical.support@horner-apg.com](mailto:technical.support@horner-apg.com)