

Firmware 17.10 Gen3 XLE/Ee, XLT/Te Release Notes

Horner Automation has released a new Firmware revision for the **Gen3 XLE/Ee and XLT/Te** products.

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: All systems are shipped with a bootloader. Using the bootloader is required.

Latest System File Revisions for the XLE/Ee, XLT/Te	
Firmware	17.10
BIOS	0.37
CPLD	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 17.10 – New Features		Affected Controllers: Gen3 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 17.10 – Bug Fixes		Affected Controllers: Gen3 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.

Firmware 17.10 – Bug Fixes		Affected Controllers: Gen3 XLE/Ee, XLT/Te
6.	Ethernet I/P Configuration	Resolved: Ethernet/IP protocol stops working if the Consumed / Produced configuration exceeds 128 Words.
7.	WebMI	Resolved the following issues related to WebMI: <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.

Firmware 17.10 – Known Issues			Affected Controllers: Gen3 XLE/Ee, XLT/Te
#	Subject	Description	Workaround
1.	AI filter constants	The time it takes to rise from 1mA to 19mA is slightly impacted by a few AI filter constants, as the hardware itself is giving fluctuation in ADC values.	N/a
2.	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.
3.	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 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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