

15.12 Firmware Release for XLEe/XLTe and XLE/XLT

Horner Automation has released Firmware revision for the XLEe/XLTe and XLE/XLT.

This is available for download from the firmware section of the Horner Automation website.

North American	https://hornerautomation.com/controller-firmware/
European	http://www.horner-apg.com/en/download/ocs.aspx

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 15.12 Enhancements

FEATURE ENHANCEMENTS	
1.	Modbus TCP downloadable protocol additions <ul style="list-style-type: none"> • Reduced initial time to connect to slaves at power up. • Updated the status to indicate that the port is initializing and link up/down status shown faster.
2.	Enhanced PWM implementation with backward compatibility.

Firmware 15.12 –Bug Fixes

Bug Fixes	
1.	Load / Save PGM with >300k files was not working.
2.	XLTe LAN Status bit – Bits 13 and 14 of Ethernet status were not turning ON
3.	Sometimes program download from Cscape failed with New XLE/XLT CANopen configuration. This happened mainly when we changed the baud in CANOPEN configuration & download to the device.
4.	With EGD configured, if clear application was done, IP was getting cleared.
5.	If CANopen was configured but no other unit in the network was connected, the scan rate was increasing. The unit was going to Bus Off state continuously.
6.	When LAN port configuration was enabled and downloaded, the controller may not have responded to PING commands or to requests from configured Ethernet protocols just after download.
7.	Model 5 temperature sensor IC went into undefined state if the board is configured for negative logic due to board noise.

Firmware 15.12 – Known Issues and Workarounds

	KNOWN ISSUES	WORKAROUND
1.	3G modem was failing at different initialization phases whereas 2.5G, which shares the same code, works.	RTS line was handled correctly for this option card.
2.	Filename counter is not working properly if a file with screen capture is downloaded previously.	Clear application if the previous csp file had screen capture enabled and re-downloaded the filename counter csp file.
3.	AutoLoad program is not working for security file if the timer to enter password expires. If this occurs, the AutoLoad will not work.	Clear application and then do a power cycle. Then Load Clone manually.
4.	Datalogging with 10 groups, each with 10 Dint variables, then Watchdog trip/system exception will occur during insert/remove microSD card.	Make %SR174.2 to become HIGH before removing the microSD card.
5.	If port number 465 is used for E-mail, then trigger E-mail, then Watchdog trip occurs.	User Login type E-mail with port number 25.
6.	If there is a baud rate mismatch for CANopen between master and slave, increase in scan rate is seen.	This will not happen in the set up as baud rates should match.
7.	Status register bit for Transit Message failure is not updating in J1939.	This bit is dependent on hardware peripheral and because Passive and Bus Off are indicated, this status is redundant.
8.	If there is a parity and stop bit mismatch for serial setting, the communication still happens.	
9.	Backup register feature takes a long time impacting the scan rate in Run mode.	
10.	XEC Add-on card does not work as expected.	
11.	Multilanguage alarm log is not working.	
12.	MODBUS Serial downloadable protocol - number of messages / second reduce and update interval increase if ladder size increases.	

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