

## Firmware 15.58 Release Notes

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Horner Automation has released a new Firmware revision for the XL+. 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. It is not an option.

Latest System File Revisions for the XL+	
Firmware	15.58
Kernel	4.9.12.3
FPGA	0.2

**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 15.58- New Features	
1.	Added new system registers for storing PGM password (%SR104 and %SR106) to avoid opening of password dialog when PGM is loaded via SR bits. (8345)
2.	HSC IO filter support added

Firmware 15.58 - Bug Fixes	
1.	Resolved issue where in whole SD card contents were getting wiped out if RM delete block was configured with "Blank filename" or "only directory mentioned with \" as the last character. (7367/7300)
2.	Resolved issue wherein WebMI license was lost if there is a flat / faulty controller battery - License duration check will not be done for lifetime licenses. So, even if the battery fails, license will be valid (for lifetime licenses). (3429)
3.	Resolved ethernet port lock up issues. (8464)
4.	Resolved issue wherein conversion blocks were working only for ODD register number and was failing for EVEN register number. (6233)
5.	Resolved issue wherein device was displaying exception when used Copy CF block - IEC. (7631)
6.	Resolved issue wherein when user access alarms webpage via web designer model, device displayed Hardfault error. (8288)
7.	Resolved issue where in Q1 output was not going TRUE after online change. (8713)
8.	Resolved issue where in Modbus Client protocol stops working if more than 16 16-bit external registers / 8 32-bit external registers were used on screen. (9029)
9.	Resolved issue wherein Automatic Recovery procedure was not working always. (6206)
10.	Resolved issue when battery was missing and in non-Automatic Restore mode, the application was not getting deleted, and registers displayed some random values. (6207)

Firmware 15.58 - Bug Fixes	
11.	Resolved issue wherein without releasing initial touch on screen, user was able to operate multiple touches with the initial touch being still active. (1241)
12.	Resolved issue wherein timer output was turning on at startup. (7639)
13.	Resolved issue where alarm history in WebMI was not listing all alarms. (1643)
14.	Resolved issue wherein unplugging and plugging LAN cable from ETX200 base was not resuming communication on their own and required device (XLPlus) restart to resume communications. (8635)
15.	Resolved issue wherein when user exits from Online Change mode, CAN port 1 SmartStix were temporarily showing not configured in the status. (9951)
16.	Resolved issue wherein device would PING for an invalid subnet mask configured. (8765)

Firmware 15.58 - Known Issues		
	Issue	Affected Controller(s)
1.	Live graphics may take max scan rate (SR8) to around 700ms while applying changes to graphics. (1537)	XL+
2.	If the same IP address and subnet is put for ethernet and Wi-Fi ports, live graphics update will give FTP error when trying to use Wi-Fi interface. (2410) <b>WORKAROUND:</b> Make IP address and subnet mask different for two interfaces.	XL+
3.	Copying large data (>100 MB) from microSD to USB or vice versa, an increase in max scan rate (SR8) may be seen. (1998)	XL+
4.	There is some delay in starting audio for first time after clear application/firmware update (about 20 secs). Subsequent download of csp files may show delay of 3 to 5 sec after the bit to play audio is turned on. (3330)	XL+
5.	Changing FW from newer to older version requires two times boot load and MAC ID gets erased. (2350) <b>WORKAROUND:</b> The issue is in old firmware where it is not reading the MAC ID from file. An intermediate firmware 15.05.101 will resolve the issue which will retain the MAC ID. 15.05.101 will have only this change to 15.04. <b>Note</b> - While bootloading FW 15.04 or previous firmwares after loading FW 15.05.101, two times bootload may be required.	XL+
6.	Date format for retentive trends needs to be changed to dd-mm-yy format. (2348) <b>Note</b> - This issue has been corrected in 15.30 fw for imx28 devices	XL+
7.	XL+ scan rate high around 20ms with Animation object in specific file. (2358)	XL+
8.	XL+ - watchdog while Device Boot up seen in 1 out of 100 power cycles (after device boots completely, unit resets and watch dog count will be increased). (2326)	XL+
9.	Sometimes retentive Trends scroll stops for a split sec and then starts again. (5838)	XL+
10.	During Save PGM from system menu   Removable media, screen goes in to non-responding mode for more than a minute when serial or mini USB is connected to XL+. (2443) <b>WORKAROUND:</b> Remove serial connection or mini-USB before doing Save PGM from system menu   Removable media	XL+
11.	Email will not work with Wi-Fi client mode. (5839)	XL+

Firmware 15.58 - Known Issues		
	Issue	Affected Controller(s)
12.	NTP protocol will not work if DNS IP is not configured. (4478) <b>WORKAROUND:</b> For NTP protocol to work, configure DNS IP.	XL+
13.	Sometimes ENDOFFFTP.TXT file gets created when publishing webpage through FTP and WebMI will not work. (4440) <b>WORKAROUND:</b> Deleting ENDOFFFTP.TXT file or power cycling the device, WebMI will start working.	XL+
14.	Sometimes Download to XL+ using Cscan pass through gives error and Net get word / Net Put word blocks were not communicating after power cycle in XL+ EIEC. (4886)	XL+
15.	Time stamping is not working in 'Alarm with Date/time stamp' block - IEC - Old issue. (5118)	XL+
16.	MODBUS Map slave block length check for Read Holding Register and Read coil bits are incorrect - EIEC. (5770) <b>WORKAROUND:</b> Configure same array length for Input Bits and coil Bits. Similarly configure same array length for Input register and Holding Register	XL+
17.	MODBUS ASCII protocol are not working for Do Request and old User Master blocks - EIEC. (5771) <b>WORKAROUND:</b> Use MODBUS RTU protocol in Master block or use serial Downloadable with Modbus Ascii protocol	XL+
18.	Using multiple MODBUS blocks Do request and old user in same program with same port are not reading data from slave - EIEC. (5784) <b>WORKAROUND:</b> Use serial downloadable protocol	XL+
19.	Not able to write values to %SR210 and %SR211 from screen and data watch for UTC in EIEC. (5824)	XL+
20.	Press key ladder block is not working in EIEC. (5822)	XL+
21.	Receive and ACK of messages (SMS) are not working properly in external modem. (5823)	XL+

## Technical Support

### North America:

Tel: (317) 916-4274

Fax: (317) 639-4279

Website: <https://hornerautomation.com>

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