



OCS Firmware 12.80/12.81 Release Notes

OCS Firmware 12.80

Date: May 10, 2011

OCS Firmware Revision 12.80 Available for Immediate Download

Summary

Horner APG announces the availability of Firmware Revision 12.81 for the following OCS controllers; XL6, XL6e, XL6m, XL10e, RX371, CX116, CX251 all QX series and all NX series. Firmware 12.80 for the XLe and XLt series controllers is being released. This is available for immediate download from www.heapg.com and www.horner-apg.com.

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 new firmware.

Who Should Upgrade to Firmware Revision 12.80

- Users of the OCS product families updated who want to take advantage of the new features and bug fixes described in this document.

Firmware 12.80 Enhancements – New Features that do NOT require Cscape 9.20

- 1) Added new keyboards for ACSII object entry. Supported on all touch screen devices.
- 2) Improved performance of the graphics objects when connected to external protocols directly.
- 3) Added support for CANOpen SDO writes from ladder when in operational state.
- 4) QX units that support compact flash were updated to support the first 2GB of compact flash cards that are larger than 2GB.

Firmware 12.80 Enhancements – New Features that require Cscape 9.20

- 1) Support for CsCAN Smartrail I/O. The new CsCAN SmartRail base allows using SmartRail I/O with the CsCAN CAN port found on most Horner controllers.
- 2) Support for SmartBlock I/O. SmartBlock I/O is a CsCAN CAN based I/O.
- 3) Support for file attachments in emails sent from the controller are now supported. Datalogs, alarm logs, screen captures and other files can be sent as an email from the controller.
- 4) Screens objects using downloadable protocols as their data source have been optimized to improve performance.
- 5) 32 bit counters have been added to the Horner Advanced Ladder instruction set.
- 6) Trends can be setup to have positive and negative values.
- 7) An option was added to manually switch to SMS mode. This allows a cellular modem to stay in GPRS data mode and only switch to SMS mode when need to send and receive SMS messages. This can improve the connectivity in GPRS mode and can eliminate extra data sent when switching between SMS and GPRS mode.
- 8) Added support for unsigned INT and DINT math and compare from advanced ladder.

Firmware 12.80 Enhancements – Issues Resolved

- 1) Fixed an issue with the momentary button object going invisible.
- 2) Corrected an issue with IEC string operations.
- 3) Corrected an issue with the removable memory directory display.
- 4) Corrected the shading for the XL6m 3D bezels on objects and sliders.
- 5) Corrected an issue with the GSM peer to peer mode.
- 6) Corrected an issue where overlapping objects could cause an X-Y graph to disappear when pop-up messages or entries are used on the screen.
- 7) When graphics are connected to external protocols, data fields are shown as “***” if communications are lost.
- 8) Corrected an issue with J1939 protocol with more than 10 PGNs are defined.
- 9) Corrected an issue on the XL10e controller where the background color may not be set right when used with menu objects.
- 10) Corrected an issue on the QX371 that could cause dynamic attributes to not function properly if the background is set as white.
- 11) Corrected an issue on the XL6 series with the trend object where more than 4 pens are configured.
- 12) Corrected an issue with the bar graph object where more than 67 “tics” are configured the object did not draw tics properly.
- 13) Corrected an issue on the XLe where the cursor is not displayed properly when editing product names on recipe objects.
- 14) Corrected an issue where the XLt allows an empty product name when editing the recipe object.
- 15) Corrected an issue on the recipe object where products are named the same can cause problems with load and save.
- 16) Corrected other issues with recipe object when used with text table or alpha numeric fields.
- 17) Corrected an issue with the IEC ANY-to-DINT function on XLe/XLt.
- 18) Corrected an issue with Modbus TCP where triggered reads must be triggered twice.
- 19) Corrected an issue that would cause thermocouple readings to be incorrect when the hardware was below zero Celsius. This only affects the “105” version of the XLe, XLt and XL6.
- 20) Improved Ethernet performance on QX451/551/651/751 and NX units on networks with errors or collisions.
- 21) Corrected an issue with using command line mget ftp commands from Windows on units with built in Ethernet.

22) Corrected an issue with the removable media status returned by the copy and delete functions when the file does not exist.

Firmware 12.80 Known Issues

The following issues have not been corrected in firmware 12.80 but will be addressed in a future firmware release.

No know issues have been reported at this time.

If you have further questions please contact Horner APG Support.

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