![HORNER AUTOMATION GROUP logo]

15.24 Firmware Release for X2 and X7

Horner Automation has released new Firmware for the X2 and X7.

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.horner-apg.com/en/download.aspx

NOTE: When performing a Firmware update, always select Install Bootloader so that all system files are updated.

X2	X7
Firmware 15.24	Firmware 15.24
Boot 0.15	Boot 0.08
CPLD 1.0	CPLD 0.9

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 15.24 – Corrected Issues

ISSUE	
During boot up, the analog outputs are ON at a level of approximately 20mA for up to two (2) seconds. The analog outputs return to their normal levels when boot up is complete.	
Issue applies to the following Revisions:	
Global Product Part Numbers	**Revision Number**
HE-X2A	Rev BB or earlier
HE-X2R	Rev BB or earlier
HE-X7A	Rev AA (first revision)
HE-X7R	Rev AA (first revision)

Controller Revision Level: Horner controllers have a two-letter revision level. The **first letter** of the revision is the HARDWARE REVISION, and **the second letter** of the revision is the FIRMWARE REVISION.

Technical Support

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