

## 15.24 Firmware Release for X2, X4 and X7

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Horner Automation has released new Firmware for the X2, X4 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.

| Latest System Firmware, Boot and CPLD for X2, X4 and X7 |                |                |
|---|----------------|----------------|
| X2  | X4             | X7             |
| Firmware 15.24  | Firmware 15.24 | Firmware 15.24 |
| Boot 0.15   | Boot 0.28      | Boot 0.08      |
| CPLD 1.0  | CPLD 0.9       | 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. |                         |
| <b>Issue applies to the following Revisions:</b>   |                         |
| Global Product Part Numbers  | Revision Number         |
| HE-X2A   | Rev BB or earlier       |
| HE-X2R   | Rev BB or earlier       |
| HE-X4A   | Rev CC or earlier       |
| HE-X4R   | Rev BC 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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