



TECHNICAL BULLETIN

SmartCNX™ Firmware Release: h6.04

OPERATORS: SwingSmartCNX™ and SlideSmartCNX™

DATE: 08/09/2021

SUBJECT: New h6.04 Firmware Release (Filename: h6.04.cnx)

SUBJECT DESCRIPTION:

New SmartCNX firmware h6.04 has been released for SwingSmartCNX and SlideSmart CNX. This is for both the Smart CNX controller (P/N MX4345) and Drive Module (P/N MX4285).

IMPACT:

New features, enhancements, and fixes.

New Features:

After initial menu configurations are made, the BlueBus scan is performed automatically.

Changes/Enhancements:

- **Web Server Firmware:** Storage location moved to conserve program memory. When updating firmware from h6.03 to h6.04, there will be an automatic secondary firmware load as described below:
 1. After standard firmware updating of the CNX processor, leave the USB drive inserted in the controller; the board will reset and after a couple seconds the display will show “Web Server Not Loaded Yet”.
 2. The controller Web Server will then start loading the second firmware update automatically.
 3. When all firmware is updated, display shows “Firmware Load Complete” and USB drive may be removed.

NOTICE

The Web Server now has SSL enabled. Please see support center for further instructions: <https://support.hysecurity.com/hc/en-us/sections/360007413474-SmartCNX-Controller>

- **Buzzer:** No longer sounds during photo eye reversal if Warn Before Operate is turned off.
- **USB Menu:** Items renamed and reconfigured as follows:
 - ◇ Save All Data (saves history log, stored debug, and menu settings).
 - ◇ Clear All Data (clears log and debug data).
 - ◇ Restore Setup (loads menu settings from saved setup file).
 - ◇ Load Firmware (update firmware).
 - ◇ Capture Debug Data (saves real time data from gate onto USB).
- **SlideSmart Relearn Mode:** When active, the close button will send the gate to the close position.
- **SwingSmart Near Limits:** Improved function.
- **Solar Charging:** Improved algorithm, including MPPT.

Fixed Issues:

- Added Real Time Clock calibration in factory to improve accuracy of 24/7 Clock.
- Fixed intermittent false IES caused by target position correction.
- Fixed issue where SwingSmart may travel at slow speed if a normal cycle is interrupted near a limit.
- Fixed false reporting of AC power loss on Solar powered operators.
- Fixed false IES trips and speed oscillation error.

Known Issues:

Firmware load fails when loading over the h6.03 firmware if the initial programming is not completed. Please complete initial programming before doing a firmware update.

Download File h6.04.cnx: <https://support.hysecurity.com/hc/en-us/categories/360003202873-Software>

Firmware Update Instructions: <https://support.hysecurity.com/hc/en-us/articles/360043205773-Video-How-To-Upgrade-the-Software-on-t>