

ELK-M1XSLU M1 to Lutron Serial Interface Release Notes

Note: As of this date the Elk Lutron Serial Interface component is common to the following Elk to Lutron integration solutions:
ELK-M1XSLU Elk to Lutron Radio RA2
ELK-M1XSLC Elk to Lutron Caseta & Elk to Lutron HomeWorks QS [QS requires FW update 80.0.6]

Date: Jan 26, 2017

Table of Contents

Procedures for Updating the M1XSLU firmware	2
Jan 26, 2017 - M1XSLU New application firmware (80.0.6) Lutron HomeWorks QS Only	3
Sep 9, 2013 - M1XSLU New application firmware (80.0.4) Lutron RadioRA2 & Caseta	3

To obtain the latest Updates, go to the Elk Products website: <http://www.elkproducts.com>
- Firmware updates are contained in self-extracting (zipped) format for all the controls and for each individual accessory.
Scroll the available listings to locate the desired product download. Once the download dialog box opens, select the **RUN** option which will self-extract all the needed files (suffix .BIN) into the appropriate "Updates" directory on your computer. To update the component with the latest release please refer to the page titled "Steps for Updating."

We highly recommend reviewing these release notes prior to performing any firmware update. There's an old saying: "If it isn't broke, don't try and fix it." Consider whether the update resolves an important issue, or whether it simply adds a new feature. In some cases it may be best to leave a device at its current version. Before updating, always use ElkRP to RECEIVE ALL, then SAVE the panel's custom programming. Then after updating, connect and SEND ALL to restore the custom programming. With any update there is always a possibility that a glitch or failure can occur and render the control or component unusable. We recommended having a spare board on hand in case a problem is encountered during/after the update. Although such problems are rare, having a spare is a good precaution.

NOTE: Telephone Dial-up connections cannot be used to perform firmware updates. Firmware updating requires a Direct to PC (Serial) Com port connection OR a M1XEP Ethernet connection.

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Procedures for Updating the M1XSLU firmware

- 1) Connect a 9 pin serial cable or USB to serial adapter from the Computer to the 9 Pin RS232 Connector on the M1 Control. If you happen to have a M1XEP Ethernet module installed on the control, it may also be used for updating.
- 2) Using ElkRP, open the account belonging to this control and establish a connection from the Connection menu.
- 3) Use the "Receive All" option from the Send/Rcv menu to retrieve the very latest copy of all the data stored in the control.
- 4) Save the account information.
- 5) Click on the "Send/Rcv" menu/icon along the top of the PC screen, then click either "Update or Verify Firmware" OR "Enroll/Update Control and Devices"
- 6) On the next screen you must choose the device to be updated.
- 7) The Update screen will display the current Firmware, Hardware, and Bootware version, along with pull down selection to select the update file(s) that are available.
- 8) Choosing an update:

9a) **Bootware Update:** This step may be skipped unless specifically required by the firmware update. Please refer to the release notes for the current update.

Use the scroll arrow to select the Bootware file for this update. Based on the hardware revision there may be more than 1 file. Just make sure the file selected contains the word "BOOT" and the current (latest) version number.

Select Update. Once the bootware update is complete you may proceed to the Firmware Update. The control may disconnect after the bootloader is finished. If so, just re-connect and continue on with the Firmware Update.

9b) **Firmware Update:**

Use the scroll arrow to select the appropriate Firmware file for this update. Based on the hardware revision there may be more than 1 file. Just make sure that the file selected contains the current (latest) version number.

NOTE: if the latest firmware does not appear in the drop-down box, or if the message "NOT COMPATIBLE" is displayed, this generally indicates the control needs to first be updated with the latest bootware.

- 9) Select Update. (In some instances the Update button may be labeled "Continue").

Jan 26, 2017 - M1XSLU New application firmware (80.0.6) Lutron HomeWorks QS Only

Changes effective with this Firmware version:

- 1) Added support for integration of M1 to Lutron HomeWorks QS. Supports; Lights, shades, temperature, and appliances.

Important Notes:

Firmware 80.0.6 is intended as a field installed firmware update ONLY for customers that wish to integrate the ELK-M1XSLU Serial Interface with Lutron HomeWorks QS. **** Please continue to use FW 80.0.4 when integrating with Lutron RadioRA2 or Lutron Caseta as some of our commands differ slightly with those products.**

Additional required equipment: Integration with either Lutron Caseta or Lutron HomeWorks QS requires the addition of a ELK-IP232 Serial to IP converter to the ELK-M1XSLU. This ELK-IP232 can be purchased separately if you already own a ELK-M1XSLU. If not, Elk makes a special convenience kit called the ELK-M1XSLC that include one (1) M1XSLU Serial Interface, and one (1) IP2323 Serial to IP Converter. The most important point is that you will need to field install firmware update 80.0.6 into the M1XSLU in order to integrate with Lutron HomeWorks QS.

Sep 9, 2013 - M1XSLU New application firmware (80.0.4) Lutron RadioRA2 & Caseta

Changes effective with this Firmware version:

- 1) Found an issue having to do with newer versions of Lutron RA 2 thermostats. Lutron's latest RadioRA2 protocol release expanded the number of "action" commands from the main repeater communicating with their thermostats. The M1XSLU firmware did not handle the new commands, which resulted in the M1XSLU not interpreting the thermostat data and the M1 displaying "Not Enabled". This new firmware resolves this issue.