

ELK-M1KPAS ARMING STATION RELEASE NOTES

Dated: Aug 16, 2010

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Firmware and/or bootware releases contain enhancements and/or resolutions for issues found in previous releases.

To obtain the latest Updates, go to the M1 Dealer website: <http://m1dealer.elkproducts.com>

NOTE: Control and peripheral Firmware update file(s) are separate from the Elk-RP software file.

- Firmware updates are contained in self-extracting (zipped) format for all the controls and for each individual accessory.

- New ElkRP software, if available, will be either an incremental Update OR a Full-Install package.

To download, log on to the M1Dealer site, then click on Downloads followed by Firmware/Software (Elk-M1 & ElkRP). Scroll through the available listings to locate the download for the particular product. Click the linked text to see the full details of the download. Then click Download at the bottom of the page. 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."

IMPORTANT:

- 1) Prior to performing any update, carefully consider the necessity of doing so. Unless the feature enhancements are desired, or the resolutions are an issue for you, it may be best to leave a device at its current version.
- 2) Prior to the actual update, we strongly recommend that ElkRP be used to RECEIVE ALL and SAVE the custom programming. Following the update you will then be able to select SEND ALL to restore all custom programming.
- 3) As with any update, there is always a slight possibility that a glitch or failure can occur that renders the control or component unusable. It is strongly recommended that you have a spare board on hand in the event a problem is encountered during/after the update. Although such problems are rare, having a spare is a good precaution.

FLASH MEMORY - The majority of the components in the M1 product family store their operating firmware in "Flash" memory. This state-of-the-art memory allows electronic field updates and eliminates the old fashion method of changing IC chips or shipping boards back to the factory.

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



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Procedures for Updating

- 1) Connect a 9 pin serial cable from the Computer's Serial Port to the 9 Pin RS232 Connector on the M1 Control. OR, if you happen to have a M1XEP Ethernet module installed on the control, it may be used to perform the update.
- 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.

Updating:

- 6) 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"
- 7) On the next screen you must choose the device to be updated.
- 8) 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.
- 9) Choosing what to 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.

- 10) Select Update. (In some instances the Update button may be labeled "Continue").
- 11) Once the update(s) are completed and the dialog boxes display the latest version numbers you are done!

Aug 16, 2010 - M1KPAS New application firmware (1.0.12) and bootware (1.0.8)

Application firmware Changes:

- 1) **Single Button Arming** - Resolved an issue that could prevent the single digit arming function to work properly. After updating to this new firmware please perform a bus module enrollment to allow the M1KPAS to receive and store the control panel authorization sequence.

Bootloader Changes:

- 1) **Bus Address Selection** - Resolved an issue that prevented the M1KPAS from being able to utilize Bus Address 10.

Feb 19, 2007 - M1KPAS New application firmware (1.0.8) and bootware (1.0.6)

The following release notes pertain to Application firmware version 1.0.8 and Bootloader version 1.0.6.

Application firmware Changes:

- 1) **Operation of the Zero (0) Button** - A change was made to correct the operation of the zero (0) key. User codes containing the digit zero (0) were not passing through to the control.

Bootloader Changes:

- 1) **Operation of the F button** - Modified Arming Station firmware so that pressing the "F" key produces a feedback beep.