

# ELK-M1KPNAV Navigator Touchscreen Keypad Release Notes

Date: 9/17/2025

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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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It is recommend to flash update the new bootware (1.0.2) before flash updating the new firmware.

#### Changes effective with this Firmware version:

- 1) Corrected an issue with the display of a pin pad when "Bypass key requires User Code" option was enabled. The issue caused the pin pad to continue to be displayed after a valid user code was entered, which required the user to press Cancel or the red X icon to close the PIN pad.

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## Procedures for Updating the M1KPNAV 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").

## IMPORTANT:

**Firmware flashing of a M1KPNAV is not possible while it is connected to the M1 Control through a M1DBHR Data Bus Hub Retrofit.**

**If you encounter this situation, temporarily disconnect the M1KPNAV from the M1DBHR and connect it to the main data bus trunk off the Control. \*\* TIP: To save time in the field, consider firmware flashing M1KPNAVs back at your shop on a separate and unloaded M1 Control like a bench test setup. While not a requirement, the flash programming may be quickest if the M1KPNAV is not connected to a Control or data bus heavily loaded with other devices. Please read the paragraph below:**

**Firmware flashing of the M1KPNAV from ElkRP PC is a time intensive process, requiring up to 18 minutes or longer per M1KPNAV for the firmware to be flashed and loaded. For this reason it is very important to perform this flash programming when the system idle or during the least active time.**

**Please be patient.**

**DO NOT STOP OR INTERRUPT the firmware flash session.**