



Firmware Update Instructions for Analog and Digital Versions of the 195 Vision and 225 Navigator Gen2 Indicators

Required Items:

- **Firmware File** – Download from *195 Vision or 225 Navigator Gen2 Resource Type > Software*
- **USB Flash Drive** – Formatted as FAT32 file system

Procedure:

1. Prepare the USB Drive

- 1) Ensure the USB drive is formatted to the FAT32 file system.
- 2) Copy the downloaded firmware file **195_225_V3_XX_XX.bin** to the following directory on the USB drive:
cardinal\firmware\195_225_V3_XX_XX.bin
The cardinal folder must be located in the *root directory* of the USB drive.
- 3) Safely eject the USB drive from your computer.

2. Install the Firmware

- 1) Power OFF the indicator.
- 2) Insert the prepared USB drive into the indicator's USB port.
- 3) Power ON the indicator. The Main Menu will appear on the display.
- 4) From the Main Menu, select "1. Firmware Update."
NOTE: If this menu appears without a USB drive inserted, the indicator currently has no application firmware installed.

3. Select the Firmware File

- 1) The indicator will display a list of available "**195_225_V3_XX_XX.bin**" files located in the *cardinal\firmware* folder on the USB drive.
 - If multiple files are listed, use the navigation keys to highlight the desired firmware file and press **Enter**.
 - If only one file is listed, simply press **Enter** to proceed.

4. Complete the Firmware Update

- 1) Wait for the firmware flashing process to complete. Do **not** power off or remove the USB drive during this process.
NOTE: Although uncommon, an unstable or incompatible USB drive may cause the update to fail. If the update fails, restart the indicator and repeat the procedure using a different USB drive if necessary.
- 2) When the update is complete, the indicator will automatically power off.

5. Finalize the Update

- 1) Remove the USB drive from the indicator.
- 2) Power ON the indicator to complete the update process.



IMPORTANT: Release versions of the firmware are verified to be stable. However, corruption can occasionally occur. If you experience any issues, verify that the firmware file was correctly downloaded and transferred to the USB drive and that the USB drive itself is functioning properly.

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