



195 and 225 Gen2 Wireless Card Firmware Update Instructions

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_850B-P2240_ESP32_Project.bin** to the following directory on the USB drive:

cardinal\firmware\195_225_850B-P2240_ESP32_Project.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 Model 195/225 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 "**3. Update Wireless**".

NOTE: If this menu appears without a USB drive inserted, the indicator currently has no application firmware installed.

3. Wireless Update Process

- 1) Prepare the wireless firmware file.
 - Ensure you have the correct wireless firmware file ready on your update device:
195_225_850B-P2240_ESP32_Project.bin

4. Locate the Wireless Access Point

- 1) The screen will show the AP SSID (wireless network name) now being broadcast.

5. Connect to the Access Point

- 1) On your smartphone, tablet, or PC, connect to the AP using the password shown on the screen.
The Default password is: 12345678.



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6. No Internet Warning

- 1) The **"No Internet"** warning is expected. Ignore it and continue to the next step.
- 2) Open a web browser and navigate to the update page by entering the web address **2.2.2.1**.
- 3) Use the "Choose file to upgrade ESP" button.
- 4) Browse to and select the firmware file **195_225_850B-P2240_ESP32_Project.bin**.
- 5) Click "Update Firmware".

7. Wait for Progress Bar

- 1) The device will upload and flash the firmware.

8. Automatic Reboot

- 1) Once the countdown finishes, the indicator will reboot automatically.

9. Confirm Update

- 1) Power OFF the Model 195/225 indicator.
- 2) Remove the USB drive from the indicator's USB port.
- 3) Power ON the indicator
- 4) Verify the version information by navigating to:

SETUP/REVIEW MENU, 3. About Device, 1. Version Information.



IMPORTANT NOTES:

- The wireless update does not erase scale data.
- If the update fails, retry the process. Ensure the **.bin** file is correct, and your wireless connection remains stable.

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