

ELM EFIS

Software Update Instructions

Rev1.0

1. Firmware Update Procedure

The **ELM310/312 EFIS** operates using two separate internal firmware systems: one for the **GPU (graphics processing unit)** and one for the **AHRS (attitude and heading reference system)**. Each unit is preloaded with the latest available firmware at the time of manufacturing.

To maintain optimal performance and take advantage of the latest features and stability improvements, **firmware updates can be performed via the front USB port** or microSD card slot located **above the display**.

⚠ Note: It is strongly recommended to have airplane battery connected to external trickle charger for the duration of the firmware update. This is needed to avoid unexpected power outage and unsuccessful firmware update.

To perform a firmware update for your unit, please follow these simple steps:

Step 1: Download the Firmware

- Obtain the latest firmware update from www.360avionics.com or by contacting **360 Avionics technical support**.

Step 2: Prepare the SD Card

- Format a **microSD card** (FAT32, recommended size: **8–16 GB**).
- Create a folder named Updates in the root directory of the SD card.
- Copy the firmware file (normally with a **.pkg** extension) into the x:/Updates/ folder.
- Ensure **no other files** are present in the Updates folder.
- **Power OFF** the ELM310 before inserting the SD card into the upper slot.

Step 3: Power On the ELM310/312

- Switch on the ELM310/312 EFIS.
- Ensure your battery has sufficient charge or is connected to a **trickle charger** capable of sustaining at least **30 minutes** of operation.

Step 4: Access the Update Menu

- Navigate to:
Main Menu → Settings → Black Box → Software Update
- Press the control knob, rotate to **Activate**, then press again.

Step 5: Search for Updates

- Press the knob to open the function menu, select **Search**, then press again.
- The system will search the SD card for update files.



Step 6: Select the Update

- Rotate the knob to highlight the desired update (e.g., **Main EFIS Software**, typically listed at the top).
- Press the knob to open the function menu and select **Select**.
A green checkbox will appear next to the selected item.
- You may select **multiple update files** at once if instructed by support.

Step 7: Start the Update

- With the update(s) selected, press the knob and choose **Update** from the function menu.
- Press the knob again to begin the installation process.

Step 8: Reboot After Update

- Once the update is complete, press the knob again, select **Reboot**, and press once more.
- The ELM310/312 will restart and apply the new software.

ⓘ Please note: The reboot may take up to **3 minutes** to fully initialize after a firmware update.

Following these steps ensures your ELM310/312 EFIS remains up-to-date with the latest features, stability improvements, and system enhancements.

