

Changes in 2.4

This update is strongly recommended for all users

Additions

- Collision detection and PFLAU output for ADS-B targets.
- Display of essential configuration information on startup (with Butterfly F/W \geq 2.9.8).

Enhancements:

- Leap-second adjustment from June 30, 2012 (for faster start-up sequence).
- Improved LED indications.
- Reduced lag of integrated display on PowerFLARM Portable.
- Better naming scheme for debug log files.

Bugfixes:

- Various serial protocol fixes and enhancements.
- Alarm handling / alarm suppression in situations with 3+ aircraft present.
- Frequency settings in Western Asia.
- Pressure sensor errors.

Note:

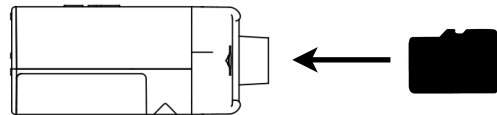
Users of PowerFLARM Portable (update from 2.01) will need to re-enter Settings (ICAO Addr, XPDR, Battery type, ranges, etc.).

Update procedure

PowerFLARM® PORTABLE

1. put a PowerFLARM Firmware file (*.fw) onto a microSD-card
2. put your microSD-card into the slot in your device.
3. Boot the device. Go to *Menu > Info > Update* to start the update process.

Please be very careful when inserting the microSD-Card. Make sure that the microSD-Card has correct orientation. Wrong handling can destroy the microSD-slot in your device.



Warranty voids if device is damaged due to wrong handling of the microSD-card



Please take care when setting battery-types in the settings menu. Wrong battery type setups can damage your rechargeable batteries (deep-discharge).

PowerFLARM® CORE

1. Copy firmware file (PF2.40_4100.fw) to top level directory of USB stick.
2. Connect USB stick to PowerFLARM® CORE.
3. Add power to Core.
4. Verify Status LED flashes RED/GREEN for about 15 seconds.
5. Wait until Status LED turns constant GREEN or RED (in case of missing GPS reception).
6. Disconnect USB stick.
7. Butterfly Display (Display firmware version \geq 2.9.8) should indicate: SWVER 2.40



Some USB sticks, in particular USB 3.0, do not work with Core. Devices other than USB sticks may cause Core to hang.

Note:

- Besides the indications above, the Status LED will also stay on ORANGE for several seconds before and after flashing RED/GREEN.
- The Status LED will flash GREEN several times in case a FLARMCFG.TXT file on the USB stick is being processed.