



FLARM Hub Firmware Release Notes

Published 15 February 2024

Updates and Interoperability

Some features of FLARM Hub require an updated PowerFLARM firmware to work. It is recommended to always update both to the latest version simultaneously.



FLARM Hub version 1.63

Published 15 February 2024

Build d001c5f4
Minimum PowerFLARM firmware 7.08

Changes since 1.61

Enhancements

- Improve the WiFi connection stability.



FLARM Hub version 1.61

Published 28 November 2023

Build 93cd15c
Minimum PowerFLARM firmware 7.08

Changes since 1.43

Fixes

- Fix support package creation



FLARM Hub version 1.43

Published 11 October 2022

Build 1a3fcb5
Minimum PowerFLARM firmware 7.08

Changes since 1.42

Enhancements

- GDL 90 available as a protocol on Sub DE-9 port (requires PowerFLARM 7.08)
- Dataport operations progress information sentences (\$PFLAQ) are now forwarded on Sub DE-9 port

Fixes

- Bluetooth messages and connection were dropped when many targets in vicinity
- Dataport messages were dropped on Sub DE-9 port when many targets in vicinity
- Fixed support package creation



FLARM Hub version 1.42

Published 14 July 2022

Build d3acfd3
Minimum PowerFLARM firmware 7.04

Changes since 1.41

Enhancements

- Improve Wi-Fi performance by avoiding overlapping channels
- Increase security on web page to avoid weak security warnings in browser
- When creating a support package, the download of the complete flash content is an optional setting (can take a long time)
- Add user interface for configuring Alert Zones (requires AZN licence)

Fixes

- Checksums added to all sentences emitted on D-Sub-DE-9 port
- Hub correctly recognizes restart after firmware update
- 'Download all IGC Files' button visible on small screens
- Hub can operate while downloading IGC files to USB stick
- Task declaration with long descriptions working on D-Sub-DE-9
- Disallow simultaneous updates of PowerFLARM and FLARM Hub firmware
- "\$PFLAC" sentences on D-Sub-DE-9 port were not handled correctly when having a leading space (" _\$PFLAC")



FLARM Hub version 1.41

Published 18 January 2022

Build eafefff0
Minimum PowerFLARM firmware 7.04

Changes since 1.40

Fixes

- Hub web UI crashed when downloading single IGC files with mobile UI
- Generation of PFLAU sentences was invalid for older (≤ 7) dataport versions
- REST endpoint `/aircraft` returned invalid JSON in case of both directed and undirected traffic



FLARM Hub version 1.40

Published 30 November 2021

Build 41bed2cf
Minimum PowerFLARM firmware 7.04

Changes since 1.22

Enhancements:

- Download all IGC log files as a ZIP file in IGC Files page
- Command history available on Data Port via up/down arrow
- Enabled Bluetooth pairing when the device is locked

Fixes

- Startup screen logo did not display correctly on iOS devices
- Wrong scaling factor of GDL90 vertical velocity (10x too large)
- IGC Task Declaration editor rejected longitude values even though correct
- Bluetooth Data Port configuration (data sentences, protocol version) is now reset to the default values when hub is restarted
- Fixed position of targets when using non-metric unit system



FLARM Hub version 1.22

Published 07 July 2021

Build a49b86d
Minimum PowerFLARM firmware 7.04

Changes since 1.21

Fixes

- Enabled Wi-Fi channels (frequencies) per region. This fixes a bug where the Wi-Fi network (SSID) was sometimes not visible on Android devices in North America, not allowing to connect to Hub. To apply the update, you may need to use a laptop or any other, non-Android device.
- Sporadic disconnect using ICD data streaming over TCP (FTD-078, Section 8.1).
- Increased Bluetooth pairing duration from 1 to 5 minutes for an easier pairing process. The pairing process can be manually cancelled.



FLARM Hub version 1.21

Published 09 June 2021

Build a18ed97
Minimum firmware 7.04

Changes since 1.20

Fixes

- In the IGC Task Editor, when “Declare take-off and landing” was not selected, new waypoints would be incorrectly added in the wrong position.
- In the IGC Task Editor, dragging and dropping waypoints was not working on Firefox.
- After a FLARM Hub Firmware update, the Hub webapp needed a manual reload. Now the new version will be loaded automatically after the update.



FLARM Hub version 1.20

Published 10 May 2021

Build cf28a52
Minimum firmware 7.04

Changes since 1.00

Enhancements

- Support for Garmin TIS protocol on both data ports. When selected, the baud rate needs to be set to 9600 manually.
- New data port traffic and alarm simulator for testing the installation of FLARM displays, EFBs, and flight computers.
- IGC task declaration.
- Support for Naviter Oudie.
- Option to hide the disclaimer on the Traffic Monitor page.
- New configuration item for ADS-R and TIS-B.
- Configuration page is now friendly for printing.
- Wireless connectivity (Wi-Fi and Bluetooth) can now be disabled under configurable conditions (in-flight, with valid GPS, or after specific elapsed time since power-on).
- Various UI improvements.
- Improved translations.

Fixes

- Updating the Hub firmware would sometimes display an error despite successfully updating.
- Correct ground speed on the GDL 90 protocol.
- Range Analyzer now correctly displays a large radio range.
- Improved the Traffic Monitor, including non-directional traffic not being properly displayed.
- The virtual LEDs on the Status page now match the device LEDs.



- Commands including a dot were rejected by the Hub data port.



Version 1.00

Published 2 November 2020

Build	d9973fbb
Minimum firmware	7.03

Initial release.