



# PowerFLARM Flex

Maximum Performance, Zero Installation

Introducing PowerFLARM Flex — the new mobile FLARM device designed for all types of manned aviation. Whether you're replacing an old Classic device or looking for a portable solution for powered aircraft or helicopters, PowerFLARM Flex is the perfect choice.

## Perfect Visibility

Our revolutionary hybrid display ensures optimal readability in all lighting conditions. The proven directional display with super-bright LEDs remains easily visible even in sunlight and automatically dims at night to prevent dazzling the pilot. The bright 1.47-inch LCD provides additional information about nearby aircraft and allows for user-friendly configuration. Operating it via the rotary control is straightforward.

## Installation? Not Necessary!

Say goodbye to fiddling with cables — all antennas are fully integrated into the housing. Our patent-pending FLARM antenna, developed and optimized using advanced numerical engineering methods, provides excellent range in all directions. PowerFLARM Flex receives all relevant signals and is so compact that it fits easily on any instrument panel.

## Full Autonomy

Experience full autonomy with a Li-Ion battery in the common 18650 form factor (not included), providing up to 10 hours of runtime. Need more? The battery can be replaced even during flight. Charge via a 5 V USB-C charger or a 12 V power supply. PowerFLARM Flex can also operate without a battery.

## The Perfect Replacement for Classic

PowerFLARM Flex is uniquely suited to replace old F5 and F6 Classic installations. It's only slightly larger, uses the same RJ 45 cable, but offers much more functionality and significantly better range.

## Everything, Better.

PowerFLARM Flex comes with a range of software improvements. InstaCARP is our new method of measuring range performance, providing results within minutes of flight. The 1090 MHz receiver now also supports Mode-C signals. Our completely overhauled flight recording system uses a dedicated crypto chip for impenetrable security (IGC certification pending).



## Product Highlights

- Complete FLARM solution in one package
- Up to 10 hours of autonomy
- Hybrid LCD/LED display for optimal readability in all conditions
- Low-profile design fits on any instrument panel
- Integrated antennas — no external cables needed
- Portable — easily move it between aircraft
- AMPS 2-hole mounting pattern for use with RAM mounts
- Compatible with FLARM Hub app (iOS/Android)
- Supports connection to EFBs running on different several platforms via Wi-Fi and Bluetooth LE



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### Mechanical

|            |                     |
|------------|---------------------|
| Dimensions | 12 cm x 9 cm x 4 cm |
| Mass       | 225 g               |
| Antennas   | Integrated          |

### Connectors

|       |                                                                                         |
|-------|-----------------------------------------------------------------------------------------|
| RJ-45 | FLARM Data Port<br>Garmin TIS (RS 232)<br>Power supply<br>3 V supply for displays (out) |
| USB-C | Power supply (5 V)                                                                      |

### User Interface

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| Display  | Dual mode LCD / LED                                                        |
| LCD      | Size: 1.47"<br>Resolution: 172x320 px<br>Brightness: 350 cd/m <sup>2</sup> |
| LED      | 12-segment RGB dimmable                                                    |
| Input    | Combined rotary encoder + pushbutton                                       |
| Profiles | For easy multi airplane usage                                              |
| Apps     | GDL 90 and FLARM ICD over Wi-Fi and Bluetooth LE                           |
| Sound    | Piezo buzzer                                                               |

### Radios

|                          |                                      |
|--------------------------|--------------------------------------|
| Dual-band: 868 / 915 MHz | FLARM in/out<br>ADS-L out (optional) |
| 1090 MHz receive         | ADS-B<br>Mode S<br>Mode C            |
| 2.4 GHz                  | Wi-Fi<br>Bluetooth LE                |
| GNSS                     | Multi-GNSS                           |

### Functions

|                         |                                                                                    |
|-------------------------|------------------------------------------------------------------------------------|
| FLARM Hub<br>Mobile App | Configuration<br>Software updates<br>Automatic IGC downloads                       |
| IGC Recording           | Crypto chip for enhanced security,<br>IGC approval pending<br>100 h capacity @ 1 s |
| Range Analyzer          | InstaCARP – Super fast results                                                     |

### Power

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| Battery         | Li-Ion, 18650 form factor<br>In-flight charging<br>Precise battery gauge<br>User changeable |
| External Supply | 5 V (USB-C)<br>10 .. 32 V (RJ-45)                                                           |

