



# 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. Standard reception for ADS-B (1090 MHz) is included. PowerFLARM Flex is so compact it easily fits on any instrument panel.

### Full Autonomy

Experience full autonomy with a LiPo 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 upgrade old F5 and F6 Classic installations. It's only slightly larger, shares the familiar RJ-45 socket, 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)



### Mechanical

Dimensions	12 cm x 9 cm x 4 cm
Mass	300 g
Antennas	Integrated

### Connectors

RJ-45	FLARM Data Port Garmin TIS Power supply 3 V supply for displays (out)
USB-C	Power supply (5 V)

### User Interface

Display	Dual mode LCD / LED
LCD	Size: 1.47" Resolution: 172x320 pixels Brightness: 350 cd/m <sup>2</sup>
LED	12-segment RGB dimmable
Input	Combined rotary encoder + pushbutton
Apps	GDL 90 for traffic FLARM Hub native App
Sound	Piezo buzzer

### Radios

FLARM	Dual-band: 868 / 915 MHz
ADS-B (receive)	ADS-B Mode-S Mode-C
2.4 GHz	Wi-Fi Bluetooth LE
GNSS	Multi-constellation

### Functions

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

### Power

Battery	LiPo, 18650 form factor In-flight charging Precise battery gauge User changeable
External Supply	5 V (USB-C) 8 .. 32 V (RJ-45)