

# FLARM

**Flytec AG**  
Electronic flight instruments  
Hohenstrasse 18, CH-6048 Horw  
Switzerland  
fon +41 41 349 18 88  
fax +41 41 349 18 99  
www.flytec.ch  
info@flytec.ch

The operating distance is 2 to 3 km. The pre-warn period for the contestant holding a standard FLARM device is 18 seconds. The Flytec 6020/6030 FLARM provides a display screen which indicates the number of FLARM devices within the operating distance of the radio system.



The fast contestant has a standard – FLARM system which calculates and displays collision risks.



The Flytec 6020/6030 emits each second the position with the corresponding radius.

FLARM is available as built-in option.

## Brief instruction

Actuate FLARM: -> Main Setup Menu -> Instr. Settings -> Flarm -> Use Flarm: Yes -> Program Flarm: No.

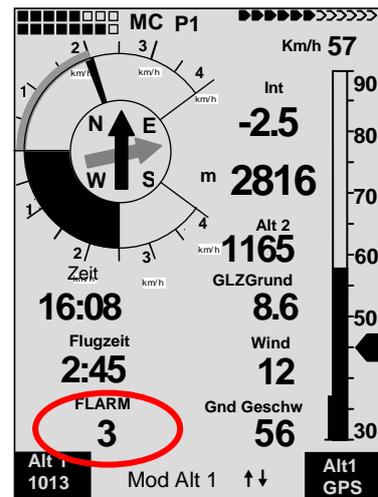
Deactivate FLARM: -> Main Setup Menu -> Instr. Settings -> Flarm -> Use Flarm: No -> Program Flarm: 0 (not adjustable)



# FLARM



Userfield FLARM: in Main display screen (Vario) select a Userfiled with the left arrow key (black) and using the arrow up/arrow down key scan for the Userfield FLARM. This display indicates the number of FLARM devices (original and Flytec), which are within radio range of the instrument.



A test can be performed outdoors, or if a fellow pilot also holds a FLARM device. The function is verified at the factory after being fitted.

From Firmware 6030\_V332e and 6020\_V308i on, an acoustic warning can be activated with -> *Main Setup Menu* -> *Instr. Setup* -> *Flarm* -> *Acoustic Warning* -> Yes. This short double beep signalizes that the number in the userfield FLARM was incremented by 1. The instrument cannot distinguish, if the same FLARM partner has been recognized again, or if it is a new one. When the radio transmission is interrupted for a short time the beep comes again. The info Page ⓘ shows a short message after the beep.

## FLARM Software Update

In order to participate at the FLARM net work, FLARM requires now and then an obligatory update. Please consider in this regard the notice on the website [www.flytec.ch](http://www.flytec.ch) or [www.flarm.com](http://www.flarm.com).

From Firmware 6030\_V332e and 6020\_V308i on, the software version of the FLARM module is visible in the FLARM menu -> *Main Setup Menu* -> *Instrument Setup* -> *Flarm*



# FLARM



In order to update the FLARM Firmware to the latest status you need the FLARM Tool, which contains in each case also the most recent Software. <http://flarm.com/support/firmware-updates/firmware-version-6/> Select „Installation“ and memorise the file where you will easily retrieve it. Open the file and perform the installation instructions. FLARM Tool is then installed.

## Download

Download Firmware version 6.00 for all PowerFLARM devices

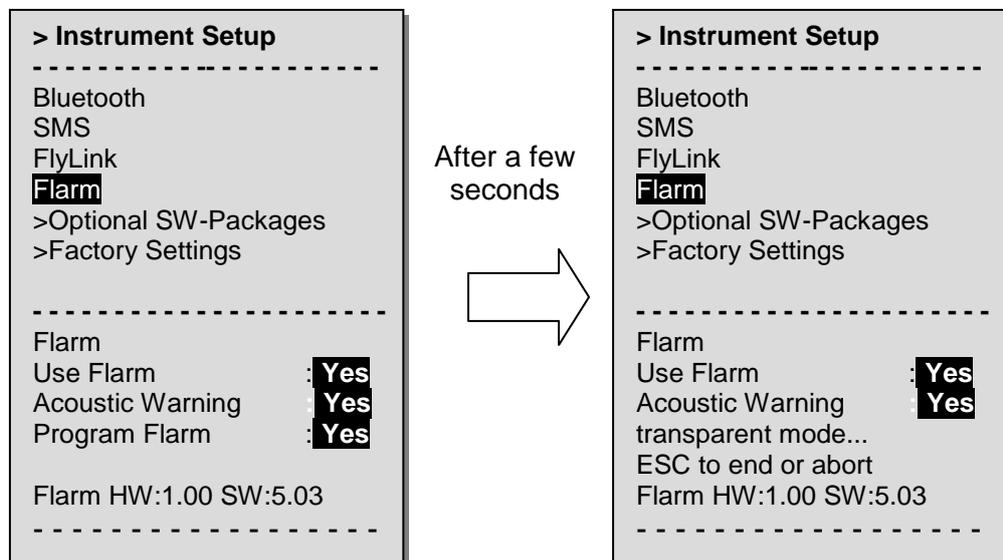
Download Firmware version 6.01 for all Classic FLARM devices with SD-card slot, including compatible devices from other manufacturers

Download FlarmTool with firmware version 6.01 for Classic FLARM devices without SD card

Release Notes 6.00 & 6.01

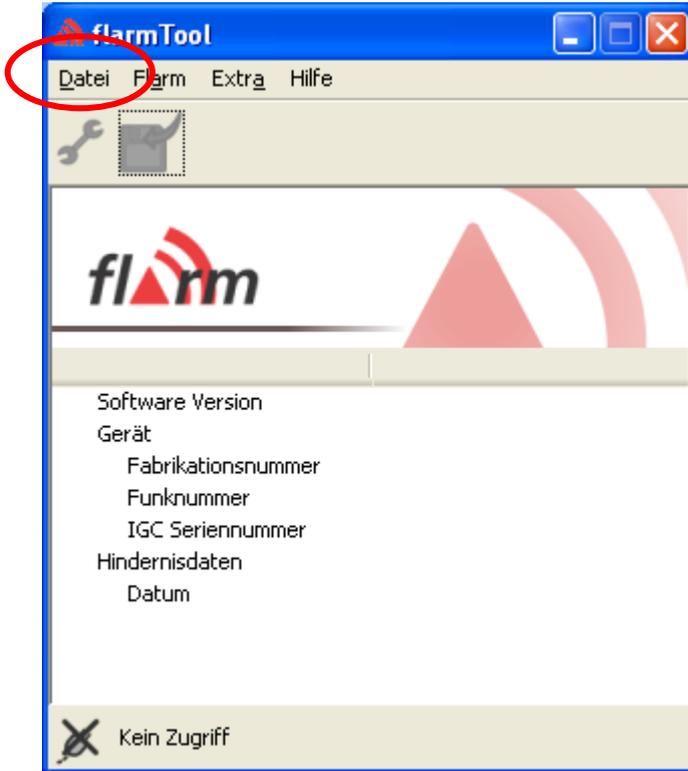
Download instructions for updating with SD cards

Switch on the Flytec 6020/6030 instrument and connect it to the PC.  
Select -> *Main Setup Menu* -> *Instr. Settings* -> *Flarm* -> *Use Flarm: Yes* -> *Program Flarm: Yes*.



# FLARM

Boot the FLARM Tool.



Select under -> File -> FLARM Settings the COM Port, which is also set in Flychart.



Acknowledge with Ok.

# FLARM



**Don't wait for FLARM!** Proceed with the following

Select -> Flarm -> restore Firmware.

Then you see a dialogue for the firmware update to the latest version.

After the update, the access to the settings is also possible. However, these settings should not be modified.



Close the Flarm Tool

Exit the programming mode of the device using the key Page/ESC.  
The instrument is now on the most recent status.

## Technical Data:

- FLARM Transponder: *the option emits the current position as paraglider type.*
- The number of FLARM devices within radio range is displayed on an optional indicator screen.
- Radio range approx. 2.5km
- Obstacle database: the CTR functions of the 6020/6030 are fully available.  
(obstacle database of FLARM is not available)
- Power consumption: + 35%