en/Parachute

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Inhaltsverzeichnis

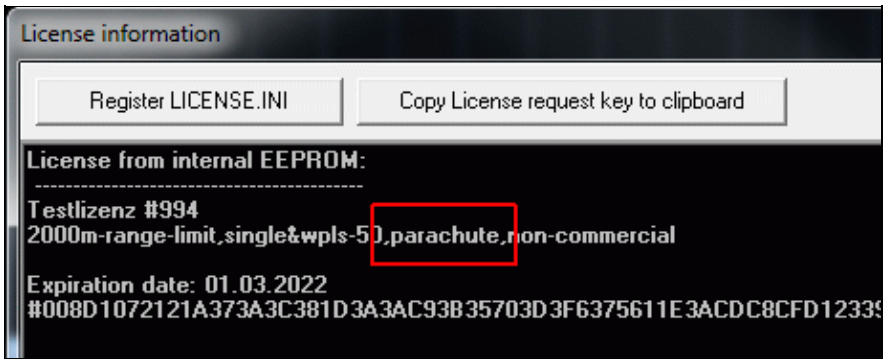
1 Parachute Input

If you want to use a parachute on the MikroKopter, the Motors must stop when the parachute releases.

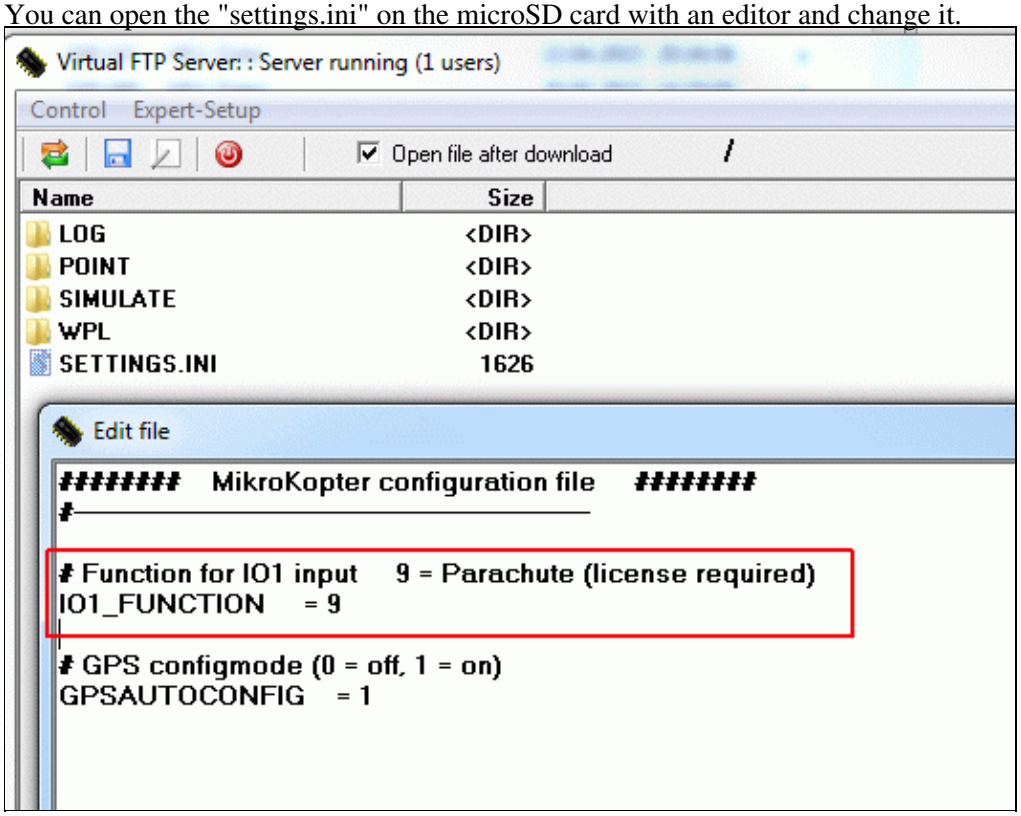
Now you can connect a switch on the IO1 input of the FC3.0 for **emergency-switch-off**.

To make sure this can't happen for users without Parachutes, **these criteria must be met**:

- 1 - License Feature "Parachute" must be active



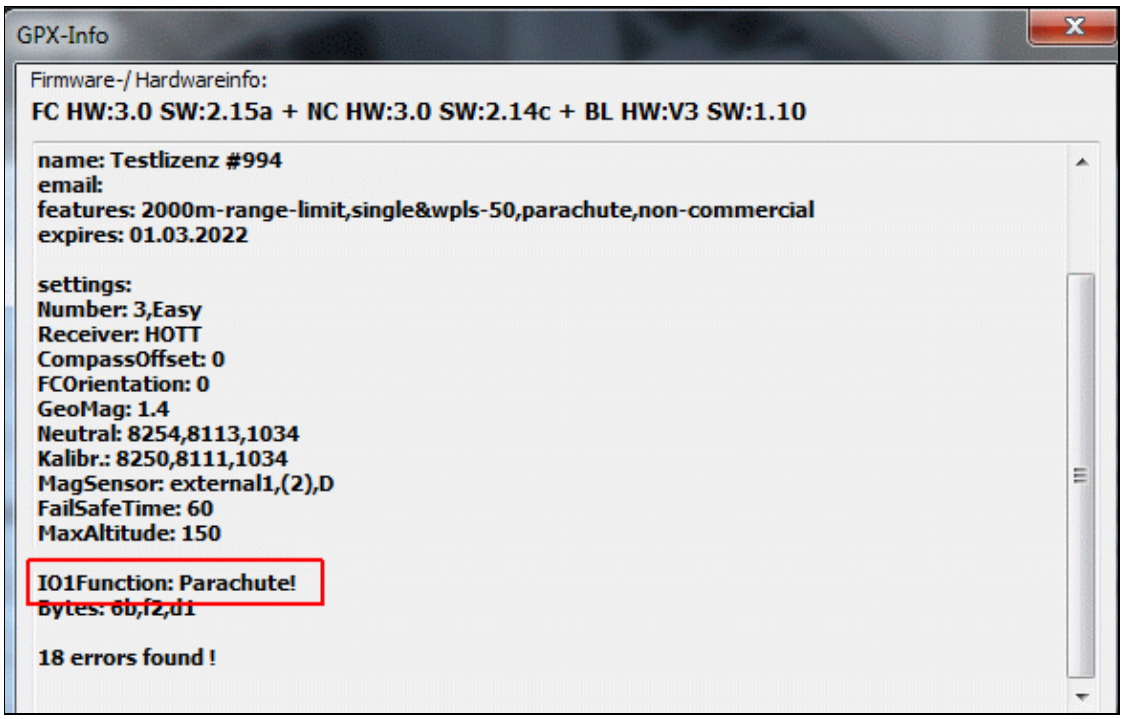
- 2 - The IO-Function must be set to 9 = Parachute on the SD-Card
  You can open the "settings.ini" on the microSD card with an editor and change it.



2 How to check the activated function:

You can see the activated funcion in every logfile:

- (GPX-Viewer)

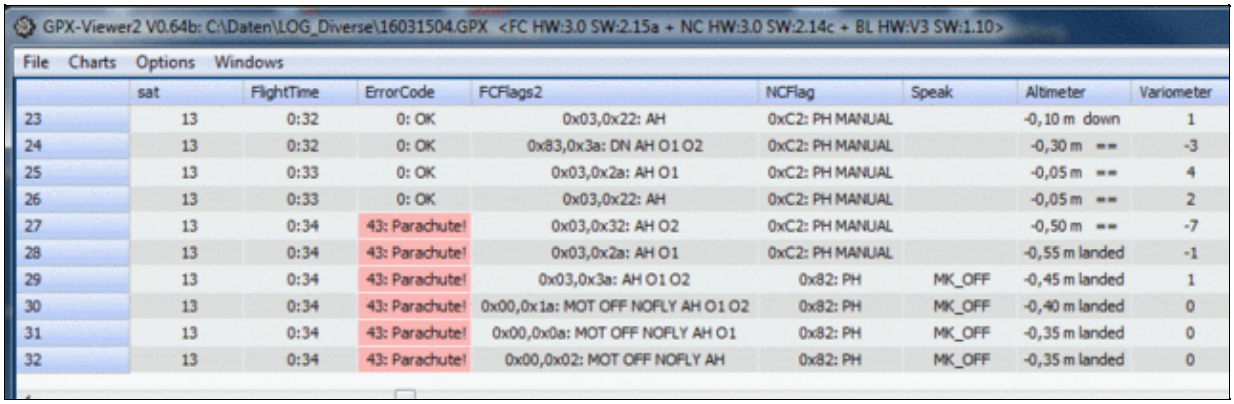


3 Input IO1

- The input must be a closing contact on **IO1 of the FC3.0**
- If the input is closed during flight (for min.2 seconds), the motors will stop.

When the contact is closed, you will get an error Message **43: Parachute!** via the telemetry and the HoTT-Transmitter speaks *"MikroKopter Off"*

You can find the error message in the Logfile like this:


GPX-Viewer2 V0.64b: C:\Daten\LOG_Diverse\16031504.GPX <FC HW:3.0 SW:2.15a + NC HW:3.0 SW:2.14c + BL HW:V3 SW:1.10>

File Charts Options Windows

	sat	FlightTime	ErrorCode	FCFlags2	NCFlag	Speak	Altimeter	Variometer
23	13	0:32	0: OK	0x03,0x22: AH	0xC2: PH MANUAL		-0,10 m down	1
24	13	0:32	0: OK	0x83,0x3a: DN AH O1 O2	0xC2: PH MANUAL		-0,30 m ==	-3
25	13	0:33	0: OK	0x03,0x2a: AH O1	0xC2: PH MANUAL		-0,05 m ==	4
26	13	0:33	0: OK	0x03,0x22: AH	0xC2: PH MANUAL		-0,05 m ==	2
27	13	0:34	43: Parachute!	0x03,0x32: AH O2	0xC2: PH MANUAL		-0,50 m ==	-7
28	13	0:34	43: Parachute!	0x03,0x2a: AH O1	0xC2: PH MANUAL		-0,55 m landed	-1
29	13	0:34	43: Parachute!	0x03,0x3a: AH O1 O2	0x82: PH	MK_OFF	-0,45 m landed	1
30	13	0:34	43: Parachute!	0x00,0x1a: MOT OFF NOFLY AH O1 O2	0x82: PH	MK_OFF	-0,40 m landed	0
31	13	0:34	43: Parachute!	0x00,0x0a: MOT OFF NOFLY AH O1	0x82: PH	MK_OFF	-0,35 m landed	0
32	13	0:34	43: Parachute!	0x00,0x02: MOT OFF NOFLY AH	0x82: PH	MK_OFF	-0,35 m landed	0

4 Example connection

Here you can see how to connect the **IO1** with an separate receiver and a parachute.