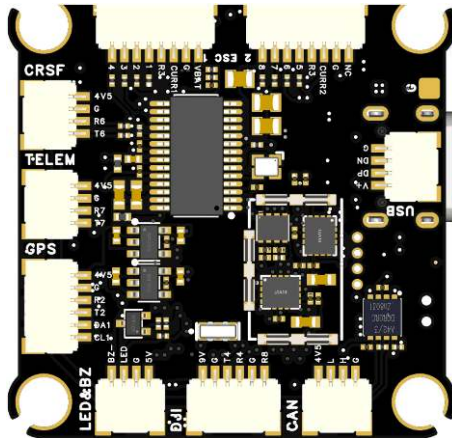




H7D Pro MK1 H743

User manual

H743 flight controller with dual gyroscopes for FPV
drones



Read the whole manual before assembly. The wrong signal cable wire order will destroy the flight controller.

Version 1.0 · Rotorama, s.r.o.

Contents

1. Safety instructions

- 1.1 Before you start
- 1.2 Handling the board
- 1.3 Li-Po and LiHV batteries
- 1.4 Rotating propellers and bench testing
- 1.5 Temperature and cooling

2. Product description

- 2.1 Package contents
- 2.2 Connectors and pads
- 2.3 Specifications
- 2.4 Serial ports (UART)
- 2.5 PWM outputs and motors
- 2.6 I2C bus and voltage and current sensing

3. Legal conditions of operation in the CZ and the EU

- 3.1 The law of the country you fly in applies
- 3.2 The board is a component, not a finished drone
- 3.3 Operator registration and operational categories

4. Installation and wiring

- 4.1 What else you need
- 4.2 Mounting in the frame
- 4.3 Power supply
- 4.4 Electronic speed controller
- 4.5 Receiver
- 4.6 Video transmitter
- 4.7 GPS module and compass

4.8 LED and buzzer

5. Setting up

5.1 Connecting to a computer

5.2 Firmware

5.3 Basic settings

5.4 Accelerometer calibration

5.5 Checking the motor order and direction

5.6 Arm, Disarm and failsafe

5.7 Switched 9 V supply

5.8 Flight data logging

6. Operation

6.1 Pre-flight check

6.2 Monitoring the battery voltage

6.3 Temperature

7. Maintenance and troubleshooting

7.1 After every flight

7.2 Soldering and repairs

7.3 Storage

7.4 Troubleshooting

8. Information for the EU and Czech Market

9. Warranty and rights arising from defective performance

1. Safety instructions

1.1 Before you start

This product is an **electronic component of an unmanned aircraft**, not a finished product ready for use. The flight controller becomes usable only after being built into an aircraft, wired to the other parts and configured.

- Read this entire manual before you start building and keep it for future reference.
- The board works with battery voltage. A wiring error can cause a **fire** or destroy the board.
- Building requires experience with soldering and with model building. If you are not confident, ask an experienced modeller for help.
- This product is not a toy. It is not intended for children or for persons not familiar with this manual.
- Do not use a damaged board – after a crash, after overheating, with a cracked board or with a burnt component.

1.2 Handling the board

The board is sensitive to static electricity and to mechanical damage.

- Hold the board by its edges; do not touch the solder pads, the connectors or the components.
- Discharge static electricity by touching a grounded metal object before handling.
- Do not place the board on metal or conductive surfaces, including the carbon parts of the frame.
- SH1.0 connectors are small. When plugging and unplugging, support the connector body with your fingers, otherwise you will tear it off the board.

1.3 Li-Po and LiHV batteries

The flight controller is designed for a supply of **12-28 V**, i.e. **3-6S Li-Po**. Connecting a battery with more cells will destroy the board immediately. Always match the range with the ESC as well – the lower of the two figures applies.

State	Li-Po	6S Li-Po	4S Li-Po
fully charged	4.20 V/cell	25.2 V	16.8 V
end the flight	3.50 V/cell	21.0 V	14.0 V
storage	3.80 V/cell	22.8 V	15.2 V

- The manufacturer recommends 5S or 6S Li-Po batteries, or 4S LiHV.
- Charge only with a charger intended for the given cell type and never leave it unattended.

- Do not use a battery with a swollen pouch, a damaged lead or after a hard crash.
- Never connect the battery with reversed polarity – reverse polarity destroys the board and such damage is not a product defect.

1.4 Rotating propellers and bench testing

Most of the setup can be done without propellers. Do not fit the propellers until the aircraft is fully configured.

- **Always** remove the propellers before you connect the board to a computer or before you test the motors.
- Secure the aircraft mechanically during motor tests and never reach into the plane of the propellers.
- USB does not power the motors or the video transmitter – those are tested with the battery connected, always without propellers.
- Never stand, and never let others stand, in line with the propellers.

1.5 Temperature and cooling

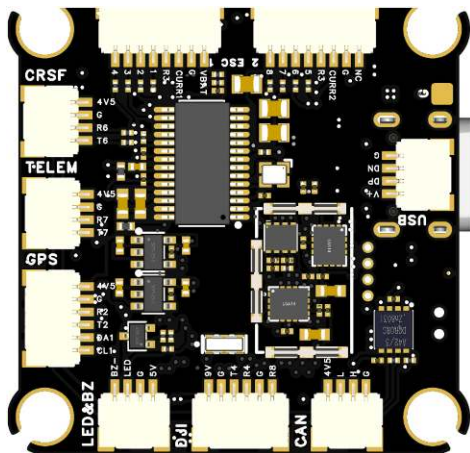
The board and the connected video transmitter get warm in operation. Without airflow they can overheat even while standing on the ground.

- The 9 V supply for the video transmitter can be switched off from the radio – use this during bench tests (see chapter 5.7).
- The board must not touch the carbon parts of the frame, the battery connector or other boards – a short circuit may occur.
- Do not leave the aircraft standing with the battery connected and without airflow.
- Let the board cool down after a flight before you touch it.

Most of the heat in the build comes from the ESC and the video transmitter. Follow their own manuals as well.

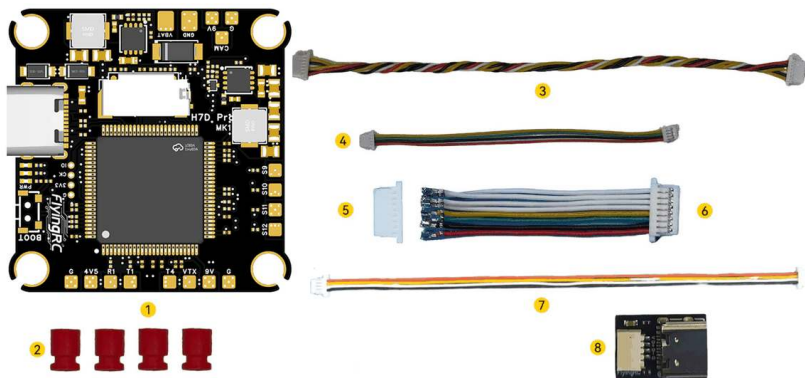
2. Product description

The **FlyingRC H7D Pro MK1** is an FPV drone flight controller built around the STM32H743 microcontroller with two gyroscopes and a barometer. The board uses a 30.5 × 30.5 mm mounting pattern and is intended for 4–12 inch FPV drones.



Top side of the flight controller

2.1 Package contents



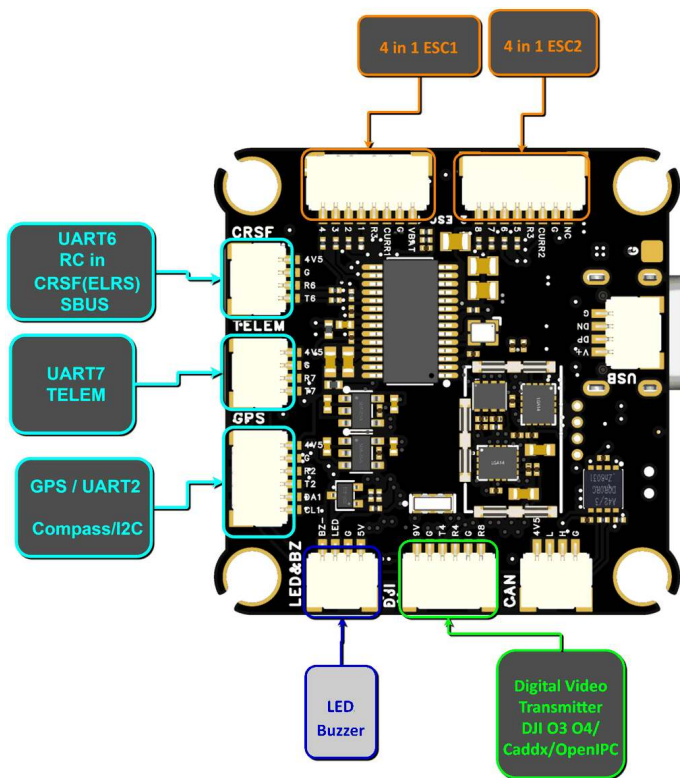
Package contents

- ① 1× FlyingRC H7D Pro MK1 (H743) flight controller
- ② 4× silicone anti-vibration standoff
- ③ 1× DJI video transmitter cable, 6-pin, 15 cm
- ④ 3× SH1.0 4-pin cable, 30 AWG, silicone, 10 cm
- ⑤ 1× SH1.0 3-pin cable, 30 AWG, silicone, 10 cm
- ⑥ 1× SH1.0 6-pin cable, 30 AWG, silicone, 10 cm
- ⑦ 1× SH1.0 8-pin connector with crimp terminals
- ⑧ 1× SH1.0 8-pin cable, 30 AWG, silicone, 3.5 cm

The battery, motors, frame, propellers, ESC, receiver and video transmitter are not included.

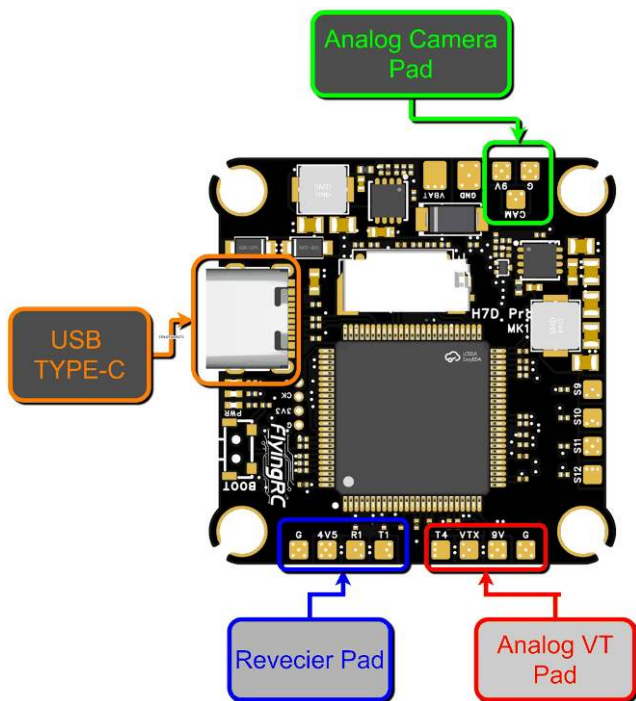
2.2 Connectors and pads

The silkscreen matches each pin: **T** is a transmit line, **R** a receive line and the digit is the port number - **T4** is the transmit line of UART4.



Connector layout on the top side of the board

Solder pads and the USB connector on the bottom side of the board:



Solder pads and USB connector

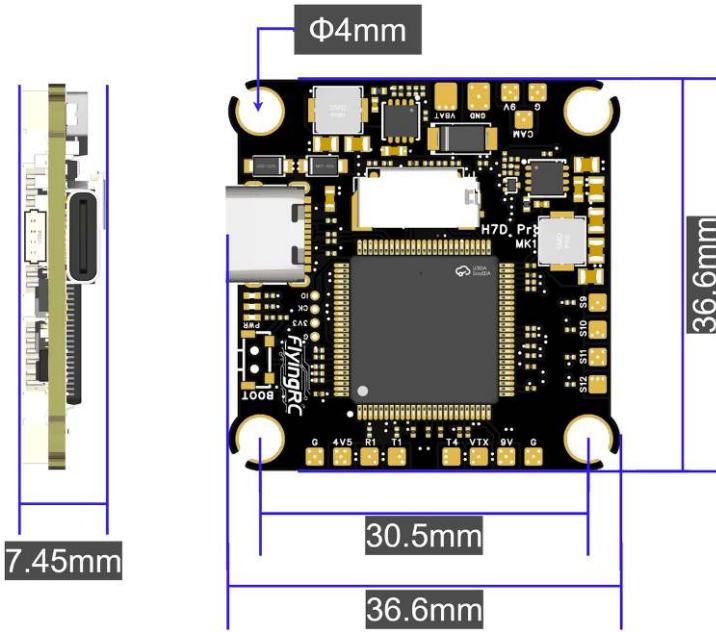
Connectors and their pins as marked on the board:

Connector	Pins	Pinout
ESC 1	8	4 · 3 · 2 · 1 · R3 · CURR1 · G · VBAT
ESC 2	8	8 · 7 · 6 · 5 · R3 · CURR2 · G · NC
CRSF	4	4V5 · G · R6 · T6
TELEM	4	4V5 · G · R7 · T7
GPS	6	4V5 · G · R2 · T2 · DA1 · CL1
LED&BZ	4	BZ- · LED · G · 5V
DJI	6	9V · G · T4 · R4 · G · R8
CAN	4	4V5 · L · H · G
pads – receiver	4	G · 4V5 · R1 · T1
pads – analog VTX	4	T4 · VTX · 9V · G

UART4 is routed to the DJI connector and to the pads for the analog video transmitter. Always use only one of the two.

2.3 Specifications

Model	FlyingRC H7D Pro MK1
Microcontroller	STM32H743VIT6, 480 MHz
Memory	2 MB Flash, 1 MB RAM
Gyroscope and accelerometer	2× ICM-42688-P
Barometer	DPS310 or DPS368
Magnetometer	none on board, connected externally
Analog OSD	AT7465E
Serial ports	7× UART
PWM outputs	13 channels including the LED channel
I2C bus	1
Current sensing (ADC)	yes
Buzzer	yes, passive buzzer
LED strip	WS2812
USB connector	USB Type-C
Flight data logging	on-board TF card slot
SBUS	inverter built into the microcontroller; SBUS can be connected to any RX pin
SWD debug interface	none
Power input	12–28 V DC, 3–6S Li-Po
BEC output for peripherals	5 V / 3 A (MP9443)
BEC output for VTX	9 V / 3 A (MP9943), switchable
Dimensions	36.6 × 36.6 × 7.45 mm
Mounting holes	30.5 × 30.5 mm pattern, 4 mm diameter
Weight	9 g
Operating temperature	–10 °C to 100 °C
Storage temperature	0 °C to 40 °C
Supported firmware	Betaflight, INAV, Ardupilot (PX4 not supported)



Board dimensions

2.4 Serial ports (UART)

The flight controller has seven serial ports. In Ardupilot firmware the **SERIAL port numbers do not match** the UART numbers on the board; the mapping is given in the table below.

Silkscreen	Port	Ardupilot	Default function
USB	USB	SERIAL0	console
R7 T7	UART7	SERIAL1	telem1
R1 T1	USART1	SERIAL2	telem2
R2 T2	USART2	SERIAL3	GPS1
R3	USART3	SERIAL4	GPS2
R8	UART8	SERIAL5	user
T4 R4	UART4	SERIAL6	user
R6 T6	USART6	SERIAL7	RC input

- **UART3** is brought out only as the receive line **R3** on both ESC connectors – it carries the ESC telemetry.
- **UART8** is brought out only as the receive line **R8** on the DJI connector – it serves as the SBUS input.

- After wiring, the port must be assigned the corresponding function. If you connect a GPS module to R2 and T2, for example, set `SERIAL3_PROTOCOL` to GPS in Ardupilot and make sure no other port is configured for GPS.
- If you use a receiver with a protocol other than SBUS or PPM – such as ExpressLRS – on **SERIAL7** (the CRSF connector), set `BRD_ALT_CONFIG` to 1 and restart the flight controller.

After flashing the firmware, always check the port assignment in the configurator on the *Ports* tab or in the parameter list.

2.5 PWM outputs and motors

The flight controller has thirteen PWM outputs. Outputs **S1 to S4** are on the ESC 1 connector, outputs **S5 to S8** on the ESC 2 connector and the thirteenth drives an LED strip. The outputs are divided into groups by timer:

Group	Outputs	Timer	Note
1	S1, S2	TIM8	S2 is 3.3 V tolerant only
2	S3-S6	TIM5	—
3	S7-S10	TIM4	—
4	S11, S12	TIM15	—
5	LED	TIM1	WS2812 strip

- The two connectors allow **two 4-in-1 ESCs at the same time** – for an X8 layout or an eight-rotor aircraft.
- Outputs in the same group **cannot** be used for DShot ESCs and for 50 Hz servos at the same time.
- In Ardupilot the LED output is enabled with the parameters `SERVO13_FUNCTION` = 120 and `NTF_LED_TYPES` = neopixel.

2.6 I2C bus and voltage and current sensing

The I2C bus is on the GPS connector as **CL1** (clock) and **DA1** (data); it serves an external magnetometer and is enabled in Ardupilot with `COMPASS_AUTODEC` = 1.

Battery voltage is sensed on the **VBAT** pin through a 1 : 10 divider on the board, and current on the **CURR1** and **CURR2** pins from the ESC sensor.

Firmware	Parameter	Value
Betaflight	current meter scale	100 (1/10 mV/A)
Ardupilot	BATT_VOLT_PIN	10
Ardupilot	BATT_VOLT_MULT	21.0
Ardupilot	BATT_CURR_PIN	11
Ardupilot	current meter scale	100 (A/V)
INAV	voltmeter scale	21000

✱ The manufacturer's documentation gives two different figures for the voltage divider. After the first power-up, always compare the voltage shown in the configurator with the voltage measured directly on the battery and recalibrate the divider if it differs.

3. Legal conditions of operation in the Czech Republic and the EU

3.1 The law of the country you fly in applies

Regulations (EU) 2019/947 and 2019/945 apply in all Member States of the European Union, but the national implementing rules differ from state to state – registration portals, pilot age, geographical zones, insurance, frequency bands and transmit powers. The information in this chapter describes the situation in the Czech Republic. If you fly in another country, you must follow the rules of that state.

3.2 The board is a component, not a finished drone

The flight controller is not an unmanned aircraft. Regulation (EU) 2019/945, which defines classes C0 to C6, applies to finished unmanned aircraft systems bearing a class identification label, not to individual parts. The board therefore cannot bear a class marking. It contains no radio equipment either – the receiver and the video transmitter are bought separately.

Once the board is built into an aircraft, Regulation (EU) 2019/947 and the related Czech rules apply to the **operation** of that aircraft. Responsibility for compliance rests with the operator.

3.3 Operator registration and operational categories

These obligations apply to the finished aircraft you build the board into.

- The operator must **register** if the aircraft carries a sensor capable of capturing personal data, i.e. a camera – regardless of weight. In the Czech Republic registration runs at dron.caa.gov.cz and the number issued must be displayed on the aircraft.
- An aircraft without a class marking built after 1 January 2024 may be operated as a **privately built unmanned aircraft system** – in subcategory A1 below 250 g and 19 m/s, otherwise in subcategory A3; subcategory A2 is not available. A drone using this flight controller usually weighs well over 250 g, so expect **subcategory A3**.
- The usual open-category limits apply: **up to 120 m** above ground, continuous visual contact and no flying over assemblies of people. Subcategory A3 also requires 150 m from residential, commercial, industrial and recreational areas.
- With FPV goggles, an **unmanned aircraft observer** must stand next to you and keep visual contact with the aircraft without optical aids.
- Before flying, check the geographical zones at dronemap.rlp.cz and weigh the actual take-off mass including the battery.
- Liability insurance is not compulsory for small aircraft in the open category, but we recommend it.

4. Installation and wiring

4.1 What else you need

In addition to the package contents you will need:

- a frame with a 30.5 × 30.5 mm pattern and four motors,
- an ESC, preferably a 4-in-1 with an 8-pin connector,
- a 3-6S Li-Po battery and a matching charger,
- a receiver and a radio transmitter,
- a video transmitter – digital or analog – with a camera or goggles,
- a soldering iron with temperature control, solder, wires and heat-shrink,
- a computer with a configurator and a USB-C cable.

4.2 Mounting in the frame

The board uses a 30.5 × 30.5 mm pattern with 4 mm holes and is usually placed above the ESC.

- ① Insert the supplied anti-vibration standoffs into the board.
- ② Place the board so that the *H7D Pro* marking points **forward** in the direction of flight.
- ③ Tighten the screws only lightly – overtightening compresses the standoffs.
- ④ Check that no component touches the frame or another board.

If the board faces any other direction, set the orientation in the configurator; mechanically correct installation is more reliable.

4.3 Power supply

The board is powered from the battery at **12-28 V**, either from the ESC through the **VBAT** line of the 8-pin cable, or on the dedicated **VBAT** and **GND** pads.

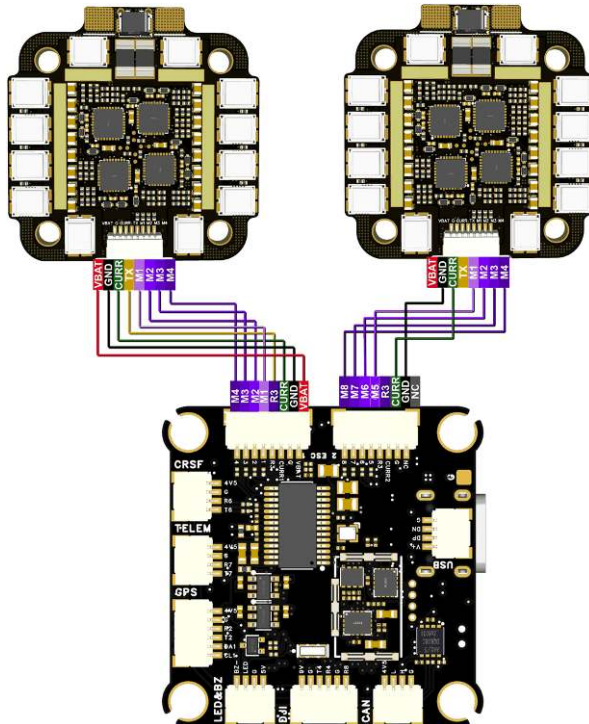
- The battery is not connected directly to the board – it has no power connector and no capacitor.
- The capacitor that suppresses voltage spikes belongs on the ESC power pads. Without it you risk gyro noise and a destroyed board.
- The board has two regulators: **5 V / 3 A** for peripherals and **9 V / 3 A** for the VTX.
- The 9 V supply can be switched on and off from the radio – see chapter 5.7.

4.4 Electronic speed controller

!! The signal cable must have the wire order matching the ESC you use. The wrong order will destroy the flight controller. Always check the order before you connect the battery for the first time.

The ESC is connected to the 8-pin **ESC 1** connector. The supplied SH1.0 8P connector lets you re-order the wires.

Flight controller	ESC	Function
VBAT	VBAT	battery voltage
G	G	ground
CURR1	CURR	current sensor
R3	TX	ESC telemetry
1	M1	motor 1 signal
2	M2	motor 2 signal
3	M3	motor 3 signal
4	M4	motor 4 signal

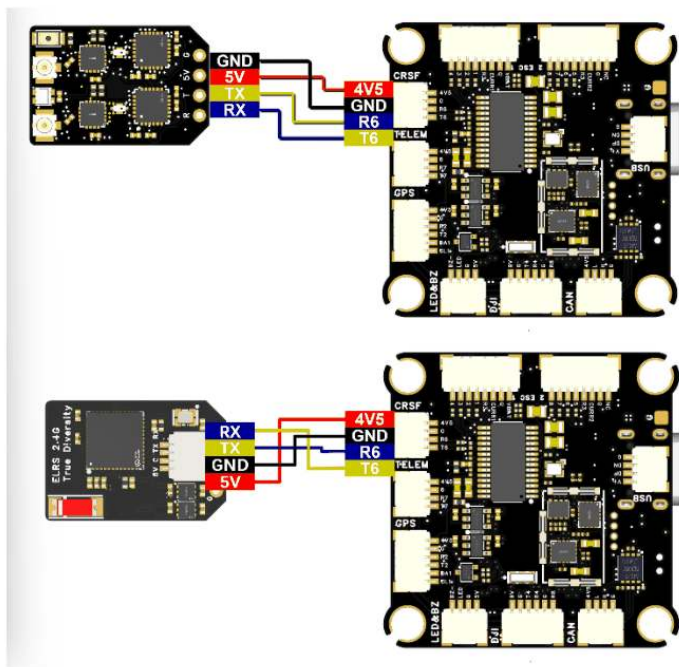


Example of wiring to a FlyingRC 4-in-1 ESC, based on the manufacturer's documentation

- A second ESC is connected to the **ESC 2** connector; instead of the VBAT pin there is an **NC** pin, which stays unconnected.
- The telemetry line of both ESCs runs to the shared **R3** pin.

4.5 Receiver

The receiver is connected to the **CRSF** connector, which is routed to UART6 – SERIAL7 in Ardupilot firmware.

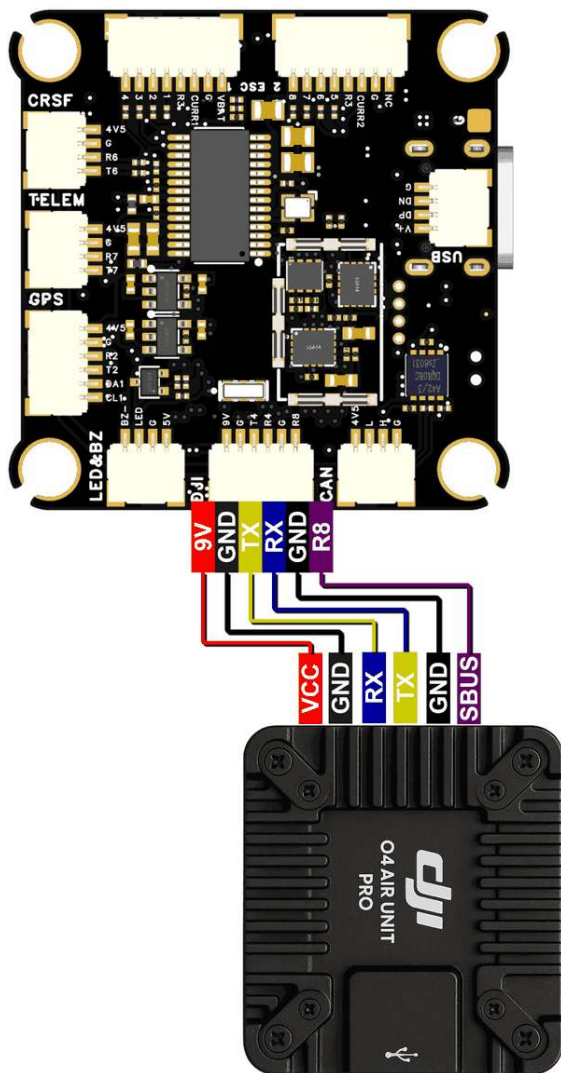


Receiver wiring based on the manufacturer's documentation

- The **TX** and **RX** lines cross over: connect the TX pin of the receiver to **R6** and the RX pin of the receiver to **T6**.
- Power the receiver from the **4V5** and **G** pins of the same connector.
- A receiver using the SBUS protocol can be connected to any RX pin; the inverter is built into the microcontroller. On the DJI connector, pin **R8** is reserved for SBUS.
- If you use a receiver with a protocol other than SBUS or PPM on SERIAL7 in Ardupilot, set `BRD_ALT_CONFIG = 1` and restart the flight controller.

4.6 Video transmitter

The six-pin **DJI** connector is intended for a digital video transmitter. The cable is included – no soldering is needed.



Digital video transmitter wiring based on the manufacturer's documentation

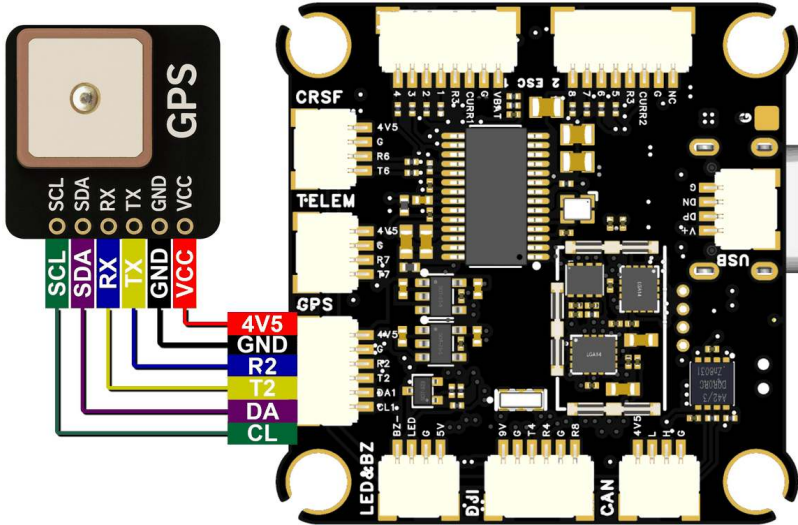
- The connector carries **9 V** power, the **UART4** serial port for data and the on-screen display (OSD), and an **SBUS** input on pin R8.
- The 9 V supply is intended for the video transmitter and can be switched off from the radio – see chapter 5.7.
- An analog video transmitter is connected to the **VTX**, **9V** and **G** pads; the SmartAudio or Tramp control line goes to the **T4** pad. Connect the camera to

the analog camera pads on the bottom side of the board.

- The analog OSD is provided by the AT7465E chip; with digital video the on-screen display is rendered in the video transmitter.

4.7 GPS module and compass

The GPS module is connected to the **GPS** connector, i.e. to UART2 - SERIAL3 in Ardupilot firmware.

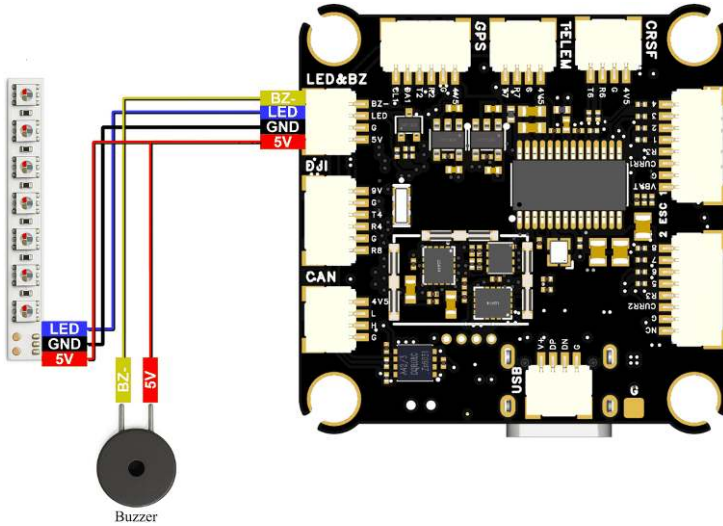


GPS module with compass wiring based on the manufacturer's documentation

- Connect the **TX** pin of the module to **R2** and the **RX** pin of the module to **T2**.
- A module with a compass additionally uses the I2C bus – pins **CL1** (SCL) and **DA1** (SDA).
- Place the module as far as possible from the power wires and the motors, otherwise the compass will be disturbed.
- In Ardupilot set `SERIAL3_PROTOCOL` to GPS and make sure no other port is configured for GPS.

4.8 LED and buzzer

The **LED&BZ** connector carries the **BZ-**, **LED**, **G** and **5V** pins.



LED strip and buzzer wiring based on the manufacturer's documentation

- The data line of an addressable WS2812 strip is connected to the **LED** pin, and the strip is powered from **5V** and **G**.
- A passive buzzer is connected to the **BZ-** pin (negative) and **5V** (positive).
- The LED output is the thirteenth PWM channel. In Ardupilot it is enabled with the parameters `SERVO13_FUNCTION = 120` and `NTF_LED_TYPES = neopixel`.

5. Setting up

5.1 Connecting to a computer

The board is connected to a computer with a **USB Type-C** cable.

- ① Remove the propellers.
- ② Connect the board to the computer with a USB-C cable. Do **not** connect the battery.
- ③ Start the configurator and press *Connect*.
- ④ If the board does not appear, try a different cable – many USB-C cables are charge-only and have no data lines.

USB does not power the motors or the video transmitter. The motors and the ESC are tested only with the battery connected and always without propellers.

5.2 Firmware

The board ships with Betaflight firmware pre-flashed. Betaflight, INAV and Ardupilot are all supported.

Betaflight target	FLRC H7D
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- The Betaflight firmware for this board is compiled by the manufacturer and is **not part of the public Betaflight list**. Download it from the manufacturer's website.
- Flashing a different target will not damage the board, but it will not work correctly – in particular the port and output assignment.
- Before reflashing, save your configuration with the *diff all* command on the *CLI* tab.

The manufacturer provides limited technical support for Betaflight and Ardupilot firmware. No technical support is provided for INAV firmware.

5.3 Basic settings

Firmware	Parameter	Value
Betaflight	gyro orientation	CW 90° Flip
Ardupilot	LOG_BACKEND_TYPE	4 – logging to the TF card
Ardupilot	BRD_ALT_CONFIG	1 – ELRS receiver on SERIAL7
Ardupilot	COMPASS_AUTODEC	1 – external magnetometer

The values for voltage and current sensing are given in chapter 2.6.

5.4 Accelerometer calibration

Calibrate after installation in the frame, when the aircraft is complete.

- ① Place the aircraft on a level horizontal surface.
- ② Choose *Setup* → *Calibrate Accelerometer* in the configurator.
- ③ Do not move the aircraft during calibration.

5.5 Checking the motor order and direction

Always carry out this test without propellers and with the aircraft mechanically secured.

- ① Remove the propellers and connect the battery.
- ② Open the *Motors* tab in the configurator and enable motor testing.
- ③ Spin up motors 1 to 4 one by one and check that the intended motor runs.
- ④ Check the direction of rotation; if it is wrong, change it in the ESC configurator.
- ⑤ Fit the propellers according to the firmware diagram only after a successful test.

5.6 Arm, Disarm and failsafe

Assign **Arm** (motors on) and **Disarm** (motors off) to a switch on the radio. Do not use a lever or a button for Arm that can return by itself.

- The Arm switch must be in the off position before you connect the battery.
- Set the behaviour on signal loss on the *Failsafe* tab; the recommended setting is to cut the motors immediately.
- Test the failsafe function without propellers – switch off the radio and verify that the motors stop.

5.7 Switched 9 V supply

The 9 V supply for the video transmitter can be switched on and off from the radio. This is done through the **PINIO1** output, controlled in Betaflight by the *USER1* mode.

- On the *Modes* tab, assign the *USER1* mode to the chosen switch on your radio.
- Switching it off protects the video transmitter from overheating during bench tests and between flights.
- Remember to switch the supply back on before the flight.

5.8 Flight data logging

The board records flight data on a TF (microSD) card in the on-board slot.

- Insert and remove the card only with battery and USB disconnected.
- In Ardupilot, logging is enabled with the parameter *LOG_BACKEND_TYPE* = 4.
- Format the card to the FAT32 file system before first use.

6. Operation

6.1 Pre-flight check

Go through this checklist before every flight:

- The propellers are undamaged, correctly oriented and tightened.
- The board is firmly secured and no wire is loose or chafed.
- The signal cable to the ESC is seated and has the correct wire order.
- The receiver antenna is connected and not kinked.
- The radio is switched on, its battery is charged and the Arm switch is in the off position.
- A **fully charged** battery is fitted in the aircraft – 4.20 V per cell for Li-Po.
- The battery connector is secured and the battery is strapped down.
- You have verified the range and the failsafe function.

6.2 Monitoring the battery voltage

The board measures voltage and current and passes the data to the on-screen display and telemetry.

- End the flight at **3.50 V per cell** at the latest – 21.0 V for a 6S pack and 14.0 V for a 4S pack.
- Deep discharge damages the battery permanently and reduces its capacity.
- The voltage reading fluctuates under load; what matters is the voltage at rest after landing.
- Let the battery cool down after the flight before charging it.

6.3 Temperature

The board itself warms up only a little, but the regulators and the video transmitter do.

- Disconnect the battery between flights, or at least switch off the 9 V supply.
- Do not leave the aircraft standing in the sun with the battery connected.
- If the video transmitter gets excessively hot, give it airflow or a heatsink.

7. Maintenance and troubleshooting

7.1 After every flight

- Disconnect the battery and let the board cool down.
- Check the solder joints, the connectors and the antenna mounting.
- Remove dirt with a soft brush; do not use solvents.
- After a crash, always inspect the board against the light – look for cracked joints and loose components.

7.2 Soldering and repairs

- Use a temperature-controlled soldering iron with a fine tip and solder briefly.
- Do not overheat the pads – a lifted pad cannot be repaired.
- Always disconnect the battery and USB before soldering.
- Desoldering a component or modifying the board is not a product defect and cannot be claimed under warranty.

7.3 Storage

- Store the board in an antistatic bag, in a dry place and out of the reach of children.
- Store batteries charged to **3.80 V per cell**, i.e. 22.8 V for a 6S pack.
- Check the batteries regularly during longer storage.

7.4 Troubleshooting

Problem	Possible cause	Solution
The board does not appear in the configurator	USB cable without data lines, missing driver	try a different cable; if problems persist, flash the firmware in DFU mode
Nothing lights up after connecting the battery	wrong wire order of the signal cable, reverse polarity	disconnect the battery immediately and check the cable against the table in chapter 4.4
A motor does not run or runs the wrong way	swapped wires, reversed direction in the ESC firmware	check the order on the <i>Motors</i> tab, change the direction in the ESC configurator
The video transmitter does not start	9 V supply switched off, connector not seated	check the USER1 mode and that the connector is fully seated
The receiver does not communicate	TX and RX swapped, wrong port assignment	cross the TX and RX wires; in Ardupilot set <code>BRD_ALT_CONFIG = 1</code>
GPS does not get a fix	wrong port assignment, interference from the power wiring	set <code>SERIAL3_PROTOCOL</code> to GPS and move the module away from the wires
Voltage fluctuates, the gyro is noisy	missing capacitor on the ESC power pads	solder a capacitor to the power pads of the ESC
The displayed voltage does not match reality	uncalibrated voltage divider	compare with the voltage on the battery and adjust the divider ratio

8. Information for the EU and Czech Market

8.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.cz

8.2 Product conformity



- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the address stated above or at the e-mail address info@rotorاما.cz.
- **Product identification:** the type designation is printed directly on the board.

8.3 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also <https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu>.

9. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection. The manufacturer does not issue its own warranty terms for this product.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 8.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.