Beginner FPV set

Meteor75 Pro · RadioMaster Pocket ELRS · HGLRC VR001
User manual



Read the whole manual before first use, especially the safety instructions. This product is not a toy – it is intended for persons aged 14 and over.

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1. Safety instructions

1.1 Before you start

This set contains everything you need for your first FPV flights: the **BETAFPV Meteor75 Pro** drone, the **RadioMaster Pocket ELRS** RC radio and the **HGLRC VR001** FPV goggles. This manual guides you through charging, binding all parts and your first flight. Read it completely before you switch the drone on for the first time, and keep it for future reference.

- This product is **not a toy**. It is intended for persons **aged 14 and over**. Younger users may use it only under adult supervision.
- Flying an FPV drone requires basic technical knowledge and practice. Get to know all functions before you fly. Incorrect operation can cause injury to you and others and damage to the product or property.
- Do not fly if you are tired, unwell or under the influence of alcohol, medication or other drugs.
- Use only parts and accessories supplied with the set or recommended by the manufacturer.

1.2 Rotating propellers

- The propellers spin at high speed. Never touch spinning propellers and keep your hands, hair and loose clothing away from them.
- The duct around the propellers reduces the risk but does not eliminate it.
- Do not take off from your palm or from a moving object (car, boat).
- In any dangerous situation, stop the motors immediately with the **Disarm** switch (see chapter 5.2).
- Disconnect the battery before handling the drone (propeller replacement, maintenance).

1.3 Batteries

The set contains three types of batteries: **1S LiHV** drone batteries, two **Li-ion 18650** cells for the radio and the built-in goggle battery.

- Always charge under supervision, on a non-flammable surface and away from flammable materials.
- Charge the drone batteries only with the supplied BT2.0 charger. Charge the radio cells only inside the radio via USB-C. Charge the goggles only via the USB-C port using a 5 V output adapter.
- Do not use a swollen, mechanically damaged, overheated or otherwise faulty battery.
- Do not short-circuit or puncture the battery, do not throw it into fire and do not expose it to water or temperatures above 60 °C.

- Disconnect the drone battery immediately after the flight. Never leave it connected in the drone or on the charger unattended.
- Detailed rules can be found on the pages Safe use of LiPo batteries and Safe use of Li-ion batteries.

1.4 Operating environment

- Do not fly in strong wind, rain, snow, thunderstorms or fog. The drone, radio and goggles are neither waterproof nor dustproof.
- Fly only in an area free of obstacles, away from people, animals, water, high-voltage lines and transmitters.
- When flying with goggles, you cannot see your surroundings. Fly seated, with a spotter standing next to you and watching the area.
- Do not use the goggles in a humid environment.
- Do not leave the goggles in direct sunlight. The optics can focus sunlight onto the screen and permanently damage it.

1.5 Antennas and radio transmitters

- Never switch the radio on without the antenna attached – the RF module could be permanently damaged. Such damage is not covered by the warranty.
- The video transmitter antenna on the drone must always be attached whenever the battery is connected.
- Fold out the retractable goggle antenna before use.
- When operating the radio, keep the antenna at least 20 cm away from your body (except your hands).

2. Set description

2.1 Package contents

Qty	Item
1×	BETAFPV Meteor75 Pro drone with ELRS 2.4 GHz receiver
1×	RadioMaster Pocket ELRS RC radio
1×	HGLRC VR001 FPV goggles
2×	LAVA II 1S 580 mAh LiHV battery, BT2.0 connector (for the drone)
2×	EVE INR18650-35V 3500 mAh Reclaimed Li-ion cell (for the radio)
1×	BT2.0 battery charger and tester
1×	Propeller set (for the drone)
8×	Spare Gemfan 45 mm propellers, 3-blade, 1.5 mm shaft (4× CW, 4× CCW)
1×	Soft-mount set
1×	USB-C adapter
2×	USB-C cable
1×	Radio pouch
1×	Small parts kit (for the radio)

※ The set components are packed separately. The drone and the radio are not bound at the factory – see chapter 5 for the procedure.

2.2 Meteor75 Pro drone

The Meteor75 Pro is a small drone with an 80.8 mm motor-to-motor diagonal and ducted propellers (a so-called tinywhoop). It is built around the **Matrix 1S 5in1** board, which combines the flight controller (FC), electronic speed controllers (ESC), ExpressLRS receiver and video transmitter (VTX).



Meteor75 Pro drone – top view

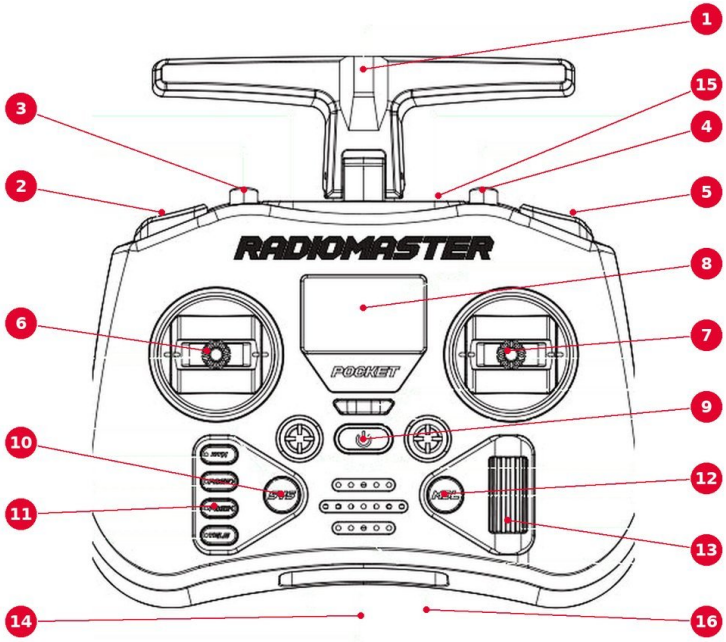


Meteor75 Pro drone – bottom view with battery inserted

No.	Part	Description
1	Camera	C03 FPV camera, captures the image for the goggles
2	VTX antenna	5.8 GHz video transmitter antenna
3	Propeller	Gemfan 45 mm, 3-blade
4	Duct	frame with protective rings around the propellers
5	Motor	1102 brushless motor
6	Flight controller	Matrix 1S 5in1 board (FC, ESC, receiver, VTX) with status LED
7	Battery	1S LiHV, inserted into the slot on the underside
8	Power connector	BT2.0, connects the battery

2.3 RadioMaster Pocket ELRS radio

The Pocket is a compact RC radio with a built-in **ExpressLRS (ELRS) 2.4 GHz** module and the **EdgeTX** system. The sticks are set to **Mode 2** (throttle on the left).



RadioMaster Pocket radio – front view

No.	Control	No.	Control
1	Antenna (folding)	9	Power button
2	Switch SA (2-position, latching)	10	SYS button
3	Switch SB (3-position)	11	RTN, PAGE>, PAGE<, TELE buttons
4	Switch SC (3-position)	12	MDL button
5	Switch SD (2-position, latching)	13	Scroll wheel (press to confirm)
6	Left stick – throttle and yaw	14	USB-C for charging
7	Right stick – pitch and roll	15	USB-C for computer connection
8	Display	16	Memory card slot

On the rear top edge there is the **SE** button and the **S1** rotary potentiometer. On the underside there is a Nano-size external module bay and two bays for 18650 cells. The stick ends are removable and are stored in a compartment in the grip for transport.

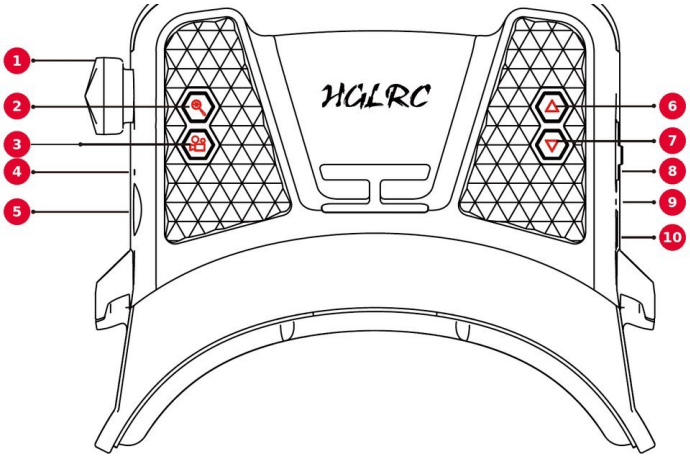
▶ Menu controls

- **SYS** – system menu, including the Tools page with the ExpressLRS script.
- **MDL** – model selection and settings.

- **PAGE> / PAGE<** – switch between pages and main screens.
- **RTN** – go back one level or cancel.
- **Scroll wheel** – move through the menu, press to select and confirm.

2.4 HGLRC VR001 FPV goggles

The goggles receive the analogue video from the drone in the 5.8 GHz band (and in the extended 4.9 GHz and 6.0 GHz bands) with an integrated retractable antenna and show it on a 4.3" display. They can record the video to a microSD memory card (DVR) and play the recordings back directly in the goggles.



HGLRC VR001 goggle controls – top view

No.	Control	Function
①	Retractable antenna	video reception; fold out before use
②	Auto-scan button	short press: automatic channel search (press again to pause); hold for 3 s: system menu
③	Recording button	start / stop recording
④	Recording indicator	lights blue during recording
⑤	SD card slot	microSD memory card up to 64 GB
⑥	Band button	short press: next band; hold for 2 s: playback of recordings
⑦	Channel button	next channel (1–8)
⑧	Power switch	slide switch; when facing the buttons, left is ON, right is OFF
⑨	Charging indicator	red: charging; green: charged
⑩	USB charging port	USB-C, 5 V

▶ Display and menu

The top left of the screen shows the band, channel and frequency (e.g. R4:5769), the top right shows the goggle battery status – when the voltage is low, the icon turns red. The system menu (hold button ② for 3 s) is used to set the brightness, contrast, saturation, backlight, menu language, on-screen display (Osd.) and card formatting (Format). Within the menu, button ② is used only with a short press to select and confirm an item.

▶ DVR recording

- Short-press button ③ to start recording; press it again to stop. During recording, the blue indicator ④ stays lit and a red dot appears at the top centre of the screen.
- Each recording lasts up to approximately 6 minutes; for longer recordings, recording must be started again manually. Recordings are saved in AVI format.
- To enter or exit playback, hold button ⑥ for 2–3 s. Use buttons ⑥ and ⑦ to select the previous and next video, button ③ to play or pause it, and button ② to delete it.
- On a computer, play the recordings in VLC or PotPlayer with the aspect ratio set to 4:3.

2.5 BT2.0 charger

The charger is powered from a USB power supply (5 V / 2 A) and has two outputs, **OUT1** and **OUT2**, for batteries with a BT2.0 connector, which can be charged at the same time. The charging voltage is fixed at **4.35 V** – the charger is designed for LiHV batteries.

- **Red** indicator – the battery is charging.
- **Green** indicator – the battery is charged.
- Without USB power, output OUT1 works as a battery voltage tester; output OUT2 has no function.

2.6 Specifications

▶ Meteor75 Pro drone

Motor-to-motor diagonal	80.8 mm
Weight	30.5 g (without battery)
Board	Matrix 1S 5in1 (FC, ESC, receiver, VTX)
Receiver	ExpressLRS 2.4 GHz, CRSF protocol
Video transmitter (VTX)	5.8 GHz, 48 channels, power 25 / 100 / 200 / 400 mW, SmartAudio control
Camera	C03, 1200TVL, 4:3, 160° field of view
Motors	1102 21000KV

Propellers	Gemfan 45 mm, 3-blade, 1.5 mm shaft
Battery	1S LiHV, BT2.0 connector
Flight time	up to 6.5 min (manufacturer's data, depends on flying style)

▶ RadioMaster Pocket ELRS radio

Frequency band	2.400–2.480 GHz
RF module	ExpressLRS 2.4 GHz (built-in)
Channels	up to 16 (depending on receiver)
Firmware	EdgeTX
Display	monochrome LCD 128 × 64
Power supply	2× Li-ion 18650, 6.6–8.4 V
Charging	built-in, USB-C
Dimensions	156 × 65 × 125 mm (folded), 156 × 73 × 154 mm (unfolded)
Weight	288 g (without cells)

▶ HGLRC VR001 FPV goggles

Display	4.3", 800 × 480
Receiver	80 channels (10 bands: A, B, E, F, R, L, U, O, H, X), 4990–5945 MHz, auto-scan
Antenna	integrated, retractable
Video system	PAL / NTSC
DVR	microSD card up to 64 GB, AVI, 720 × 240
Battery	built-in, 3.7 V / 2500 mAh
Operating time	approx. 2 h
Charging	USB-C, 5 V
Dimensions	147 × 127 × 90 mm
Weight	312 g

3. Legal requirements in the Czech Republic and the EU

3.1 The law of the country where you fly applies

Regulations (EU) 2019/947 and 2019/945 apply in all EU member states, but national implementing rules differ from country to country – registration portals, minimum pilot age, geographical zones, mandatory insurance, permitted frequency bands and maximum transmit power. The information in this chapter describes the situation in the Czech Republic. If you fly a drone in another country, you must follow the rules of the country in which you fly.

3.2 Flying indoors

According to the guidance material of the European Union Aviation Safety Agency (EASA), the rules for unmanned aircraft systems do not apply to operations inside buildings and enclosed spaces from which the drone cannot escape into outdoor airspace. A small ducted drone is well suited for flying at home or in a hall – even so, take care of the safety of people, animals and property.

3.3 Drone classification for outdoor flying

The drone has no class label (C0–C6). Regulation (EU) 2019/947 does not explicitly state how the open category rules apply to a factory-made drone without a class label placed on the market after 1 January 2024, and no official interpretation is available yet. Before flying outdoors, check the current conditions with the Civil Aviation Authority of the Czech Republic (ÚCL, www.caa.gov.cz), or fly within a model aircraft club holding an authorisation under Article 16 of Regulation (EU) 2019/947.

3.4 Operator registration and pilot competency

- The drone is equipped with a camera, so its operator must **register** with the Civil Aviation Authority of the Czech Republic (dron.caa.gov.cz) for outdoor flying, even though it weighs less than 250 g. Display the registration number on the drone.
- The minimum pilot age in the Czech Republic is **16 years**. A younger pilot may fly only under the direct supervision of a pilot who meets the requirements.
- We recommend completing the free online training and test for subcategories A1/A3 on the Civil Aviation Authority website.

3.5 Operating limits

- The maximum flight height is **120 m** above the ground.
- The drone must always be within visual line of sight (VLOS).
- Never fly over assemblies of people and avoid flying over people.

- Respect the geographical zones (airports, protected areas, prohibited areas) published by the Civil Aviation Authority.
- At night, the drone must have a flashing green light switched on.

3.6 Flying with FPV goggles

When flying with goggles, you cannot see the drone directly. A **spotter** must therefore stand next to you, watch the drone with the naked eye (no binoculars), keep an eye on the surroundings and warn you in time. The pilot remains responsible for the flight.

3.7 Radio frequencies and transmit power

The set contains radio equipment. In the Czech Republic, its use is governed by the general authorisations of the Czech Telecommunication Office (ČTÚ):

Device	Band	Max. device power	Limit in the Czech Republic
ELRS radio and receiver	2400–2483.5 MHz	see EU declaration of conformity	25 mW e.i.r.p. (VO-R/10); 100 mW e.i.r.p. for wideband data transmission (VO-R/12)
Drone video transmitter	5.8 GHz	400 mW	25 mW e.i.r.p. in the 5725–5875 MHz range (VO-R/10)
FPV goggles	4990–5945 MHz	receive only	–

- The power of the radio and the video transmitter is set by the user, who is responsible for complying with the limits. See chapter 5.7 for the recommended settings.
- The video transmitter is factory set to channel R1 (5658 MHz), which lies **outside** the 5725–5875 MHz range. For use in the Czech Republic, change the channel as described in chapter 5.7.
- Higher video transmitter power (100–400 mW) and channels outside this range may only be used by licensed radio amateurs within the scope of their licence.
- Do not replace the antennas with any other than those supplied and do not use amplifiers.

3.8 Privacy and insurance

- The drone camera can capture personal data. Do not film people without their consent, respect privacy and do not publish the recordings.
- For a drone of this weight, liability insurance is not mandatory in the Czech Republic. We recommend taking it out.

4. Preparation

4.1 Charging the drone batteries

① Connect the BT2.0 charger to a USB power supply (5 V / 2 A).

② Connect the batteries to outputs OUT1 and OUT2. The indicator lights **red**.

③ When the indicator turns **green**, the battery is charged. Disconnect it.

1S LiHV battery state	Voltage
Fully charged	4.35 V
End the flight	3.5 V
Storage	3.8 V

Always insert a fully charged battery into the drone before flying.

4.2 Inserting the cells and charging the radio

① First attach the radio antenna and fold it out.

② On the underside, open the 18650 cell bays and insert both cells with the **positive pole (+) as marked** in the bay. Close the bays.

③ Connect a USB power supply to the USB-C charging port (No. 14). The cells are charged directly in the radio.

- The charger in the radio is designed only for 3.7 V Li-ion cells (4.2 V per cell, 8.4 V in total). Do not insert LiFe cells or 3.6 V cells.
- The radio voltage is shown on the main screen. The operating range is 6.6–8.4 V – when the voltage approaches 6.6 V, charge the radio.

4.3 Preparing the goggles

① Fold out the retractable goggle antenna ①.

② Charge the goggles with a USB-C cable from a 5 V output adapter (port ⑩). Indicator ⑨ lights red, and green when charged.

③ To record, insert a microSD card (max. 64 GB) into slot ⑤. Format a new card in the goggles before first use (system menu → Format).

4.4 Stick controls (Mode 2)

Stick	Movement	Function
Left	up / down	**Throttle** – motor thrust, climbing and descending
Left	left / right	**Yaw** – rotating the drone around its vertical axis
Right	up / down	**Pitch** – tilting forward and backward
Right	left / right	**Roll** – tilting sideways

※ The left stick does not return to the centre vertically. Always pull it fully down before arming the motors.

5. Setup and binding

The drone is factory configured so that nothing needs to be changed on a computer before the first flight. However, you need to set up the radio, bind it to the drone and tune the goggles.

5.1 Switching on the radio and selecting the model

① Check that the antenna is attached. Set switches SA, SB, SC and SD **up** and the left stick fully **down**.

② Switch the radio on by holding the power button (No. 9). If a switch or the throttle is not in its default position, the radio shows a warning – correct the switches and stick.

③ Press **MDL** and select the **POCKET** model (factory default model).

④ Press PAGE> to go to the model settings page (Setup) and check that Internal RF is set to **CRSF** and External RF is turned off (Off).

⑤ Press RTN to return to the main screen.

5.2 Switch functions

In the default POCKET model, the switches are assigned to channels to match the drone's factory settings:

Switch	Channel	Drone function	Position
SA	CH5 (AUX1)	**Arm / Disarm**	up Disarm, down Arm
SD	CH6 (AUX2)	**Flight mode**	up Angle, down Acro
SB	CH7 (AUX3)	**Turtle** – flip over after a crash	down = on
SC	CH8 (AUX4)	**Beeper** – beeping via motors	down = on

- **Arm** (motors on) – the motors spin at idle and the drone responds to throttle. **Disarm** (motors off) – the motors stop.
- **Angle** – self-levelling mode; when you release the right stick, the drone returns to level. **Fly only in this mode to start with.**
- **Acro** – the drone does not level itself; intended for advanced pilots.

▶ Checking the assignment

Use the PAGE buttons to switch the main screens until you see the channel bar graph. Flipping SA up and down must change channel CH5, SD channel CH6, SB channel CH7 and SC channel CH8. If the channels do not change, or a different model is selected, assign the switches as described in chapter 5.3.

5.3 Manual switch assignment (only if needed)

① Press MDL and use PAGE> to go to the Mixes page.

② Select channel CH5 with the wheel and press to edit it.

③ At Source, press the wheel and flip switch SA – the radio selects it automatically. Confirm.

④ Assign CH6 = SD, CH7 = SB and CH8 = SC in the same way.

⑤ Press RTN to go back and check the assignment as described in chapter 5.2.

5.4 Binding the drone to the radio (bind)

Binding is needed only once; after that, the drone and the radio connect automatically when switched on.

① Switch on the radio and leave switch SA **up** (Disarm).

② Insert the battery into the drone and connect and disconnect the plug **three times in quick succession** (within 5 s); leave it connected the third time. The status LED on the drone board starts **double-flashing green** – the receiver is in bind mode.

③ On the radio, press **SYS** (long press on some firmware versions), run the **ExpressLRS** script on the Tools page and select **[Bind]**.

④ After successful binding, the LED on the drone **lights solid green** and the ExpressLRS script shows the letter **C** (connected) instead of a dash in the top right corner.

⑤ If binding does not succeed within 8 s, repeat the procedure.

- If the LED flashes three times after binding, turn off the Model Match option in the ExpressLRS script.
- The radio and the drone receiver must have the same major ExpressLRS firmware version. If binding repeatedly fails, the firmware versions must be matched – see the ExpressLRS documentation (chapter 5.9).

5.5 Tuning the goggles to the drone

① Switch on the radio, connect the battery to the drone and switch on the goggles with the power switch ⑧.

② Short-press the **auto-scan button** ② – the goggles scan the frequencies, lock onto the channel with the strongest signal and show the image from the drone camera.

③ You can also set the channel manually: button ⑥ for the band, button ⑦ for the channel.

The image shows OSD data, including the drone battery voltage. The goggles and the drone do not need to be bound – they just need to be on the same channel.

5.6 Checking Arm and the motors

① Place the drone on a flat surface and keep your hands away from the propellers.

② Move the left stick fully down and switch SD up (Angle).

③ Flip SA down – the motors spin at idle (**Arm**).

④ Flip SA up – the motors stop (**Disarm**).

Check that all propellers spin freely and match the figure in chapter 7.2. If the motors do not spin, see chapter 7.5.

5.7 Power and channel settings for the Czech Republic

▶ Radio power

In the ExpressLRS script (SYS → Tools → ExpressLRS), open TX Power and set Max Power according to chapter 3.7. For indoor flying, the lowest power is enough. The manufacturer recommends enabling Dynamic Power and using a Packet Rate of 500 Hz or lower – this saves the battery and reduces module heating. Never change the Packet Rate during flight.

▶ Video transmitter channel and power

The video transmitter is set from the radio via the menu shown in the goggles (Betaflight flight controller OSD menu):

① Switch on the radio, connect the battery to the drone and switch on the goggles. The drone must be **disarmed**.

② Move the left stick to **half throttle and left** and at the same time the right stick **up**. The menu opens in the goggles.

③ Move the right stick up and down to navigate the menu; move it right to enter items and change values.

④ Open Features → VTX SA. Set the band (Band) and channel (Chan) within 5725–5875 MHz, for example **R4 (5769 MHz)**, and the power (Power) to **25 mW**.

⑤ Confirm the change with Set and leave the menu with Save & Exit.

⑥ Short-press button ② on the goggles to search for the channel again.

Band R	R3	R4	R5	R6
Frequency [MHz]	5732	5769	5806	5843

Band R channels within the 5725–5875 MHz range

5.8 Using the radio as a simulator controller

Before your first flight, we recommend practising in an FPV simulator on a computer. Connect the radio with a USB-C cable to the computer port (No. 15) and select **Joystick** mode on the display. The radio appears on the computer as a game controller. In this mode, turn off the RF modules (Internal RF and External RF).

5.9 EdgeTX and ExpressLRS documentation

Detailed documentation for the EdgeTX system in the radio and for ExpressLRS (binding, settings, firmware updates) is available on the official project websites:

EdgeTX documentation

Official project website: edgetx.org

ExpressLRS documentation

Official project website: expresslrs.org

6. Flying

6.1 Pre-flight check

- The drone battery, radio and goggles are **fully charged**.
- The propellers are firmly attached, undamaged and spin freely; the motors are not loose.
- The battery is firmly seated in the slot and the connector is plugged in.
- The radio antenna is attached, the goggle antenna is folded out and the drone antenna is undamaged.
- Switch SA is up (Disarm), SD up (Angle), left stick down.
- The goggle image is clear and the radio is connected to the drone.
- The area is free of people and obstacles and the flight complies with chapter 3.

6.2 Switching on and take-off

① Switch on the radio, then the goggles, and finally connect the battery to the drone. Place the drone on the ground.

② Check that the left stick is fully down and SD is up (Angle).

③ Flip SA down – **Arm**. The motors spin at idle.

④ Slowly add throttle until the drone lifts off. Keep it low above the ground and change the throttle only gently.

⑤ Use the right stick to move sideways and forward; move the left stick sideways to rotate the drone.

⑥ To land, slowly reduce throttle. After touchdown, pull the throttle fully down and flip SA up – **Disarm**.

In an emergency, flip SA up immediately (Disarm). The motors stop and the drone falls.

- Arm does not work if the throttle is not fully down, if switch SA was already in the Arm position when the radio connected, or if the drone is connected to a computer by cable.
- Switch off in reverse order: first disconnect the drone battery, then switch off the goggles and finally the radio.

6.3 Monitoring voltage and ending the flight

Monitor the drone battery voltage in the OSD in the goggles. End the flight at **3.5 V** at the latest. Disconnect the battery immediately after landing. Do not discharge the battery below this value – it shortens its service life.

6.4 Signal loss (failsafe)

If the drone loses the signal from the radio, the flight controller stops the motors after a short time and the drone falls. The motors then start beeping to make the drone easier to find. Therefore, do not fly far away or behind obstacles where the signal may be lost.

6.5 After a crash

▶ Flipping the drone over – Turtle mode

① The drone is lying upside down. Flip SA up (Disarm).

② Flip SB down (Turtle on) and then SA down (Arm).

③ Briefly push the right stick in the direction the drone should flip. The motors on one side spin up and the drone turns over.

④ Flip SA up (Disarm), SB up (Turtle off) and only then SA down again (Arm).

▶ Finding the drone

Flip SC down and the drone starts beeping with its motors, which helps you find it. Before the next flight, check the drone as described in chapter 6.1.

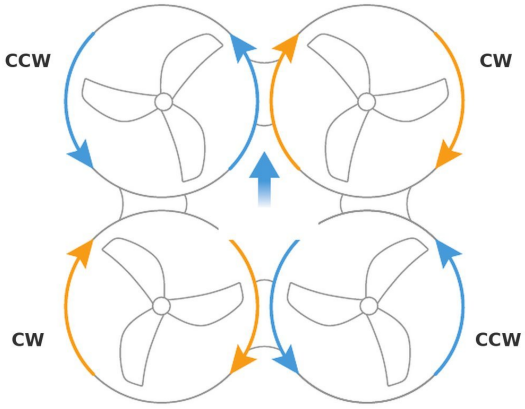
7. Maintenance and troubleshooting

7.1 After every flight

- Disconnect the drone battery and let it cool down before charging it.
- Check the propellers, duct, camera and antenna. Replace damaged propellers.
- Remove hair, dust and dirt from the motors.
- Turn off the goggles with the power switch ⑧.

7.2 Replacing propellers

The drone uses propellers with two directions of rotation, **CW** (clockwise) and **CCW** (counter-clockwise). The motors spin in Props Out mode – the front propellers rotate outwards, away from the centre of the drone.



Propeller layout, top view; the arrow in the centre points forward (camera direction)

① Disconnect the battery.

② Carefully pull the damaged propeller off the motor shaft.

③ Push a new propeller of the same rotation direction straight onto the shaft as far as it will go.

④ Check that the propeller spins freely and does not touch the duct.

7.3 Storage

- Store the drone batteries at **3.8 V**. Do not store fully charged batteries for more than a few days.
- Store in a dry place at room temperature, out of the reach of children and away from flammable materials.
- Remove the 18650 cells from the radio before storing it for a longer time.

- Store the goggles away from direct sunlight and heat sources, with the antenna folded. During longer storage, recharge them at least once every three months to prevent over-discharge of the built-in battery.

7.4 Firmware and computer connection

No firmware update is needed for the first flight. The drone's flight controller runs Betaflight firmware and is configured in Betaflight Configurator via a USB-C cable. Change settings only if you know what you are doing – save changes with the Save button. Update the radio firmware only if you are sure of the procedure; an incorrect update can make the radio unusable.

7.5 Troubleshooting

Problem	Cause and solution
Drone LED double-flashes green, drone does not respond	The receiver is in bind mode. Bind it as described in chapter 5.4.
Drone LED flashes rapidly and binding fails	The receiver may have entered Wi-Fi mode. Disconnect the battery, reconnect it and repeat binding.
Binding repeatedly fails	Different major ExpressLRS versions in the radio and the receiver – match the firmware (chapter 5.9). Check that *Internal RF* is set to CRSF.
ExpressLRS script shows *Model Mismatch* or LED flashes 3×	Turn off *Model Match* in the ExpressLRS script, or select the correct model.
Motors do not spin after flipping SA	Throttle is not fully down; SA was in the Arm position at power-on – flip it up and down again; the drone is connected to a computer; switch SA is not assigned to channel CH5 (chapter 5.2).
No image in the goggles	Check that the goggle antenna is folded out and the goggles are charged. Short-press button ② (automatic search) or set the channel manually.
Image is grainy or drops out	The drone is far away or behind an obstacle; the drone antenna is damaged or loose, or the goggle antenna is folded; another transmitter nearby is interfering – choose a different channel.
Drone flips over on take-off	Propellers are mounted on the wrong motors – compare with the figure in chapter 7.2.
Drone rotates or drifts by itself	Fly in Angle mode (SD up) and check the propellers. Leave the radio trims centred.
Radio does not switch on	Cells are discharged or inserted the wrong way round. Check the polarity and charge the radio.
Goggles suddenly switch off	The goggle battery is discharged (red battery icon). Charge the goggles.
Short flight time	Battery not fully charged or worn out; damaged propellers.

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@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

8.2 Product conformity

CE

- 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@rotorama.cz.
- **Product identification:** the type designations of the individual components of the set (Meteor75 Pro, RadioMaster Pocket, HGLRC VR001) are given on the products or on their packaging.

8.3 Disposal of electrical equipment and batteries



- 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 product contains a built-in rechargeable battery. Where possible, hand it over together with the device – do not dispose of the battery in mixed waste or in fire.
- 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 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.