FlyFishRC Volador

Spare parts

Arms and camera side plates for Volador frames



Always disconnect the battery and remove the propellers before replacing a part.

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1. Product description

1.1 Intended use

These are genuine spare parts made by FlyFishRC for the **Volador** series of FPV drone frames. Depending on the selected variant, you receive a pair of replacement carbon arms for a specific frame, or a pair of aluminium side plates (right and left) for mounting the DJI O4 Air Unit Pro camera.

The arms of Volador frames are individually detachable, so after a crash you only need to replace the damaged arm instead of the whole frame. The camera side plates protect the camera and hold it at the front of the frame.



Volador series frame with individually detachable arms (illustrative photo)

1.2 Specifications and package contents

The data are taken from the FlyFishRC product pages. The arm thickness corresponds to the specification of the frame the part belongs to.

Variant	For frame	Thickness	Material
VX3 – Arm	Volador VX3 (3")	3.5 mm	T700 carbon fibre composite
VX3.5 – Arm	Volador VX3.5 (3.5")	3.5 mm	T700 carbon fibre composite
VX5 II – Arm	Volador II VX5 (5")	6 mm	T700 carbon fibre composite
VD5 II – Front arm	Volador II VD5 (5")	6 mm	T700 carbon fibre composite

Variant	For frame	Thickness	Material
VD5 II – Rear arm	Volador II VD5 (5")	6 mm	T700 carbon fibre composite
VD6 II – Front arm	Volador II VD6 (6")	6 mm	T700 carbon fibre composite
VD6 II – Rear arm	Volador II VD6 (6")	6 mm	T700 carbon fibre composite
VD5 – Front arm	Volador VD5 (first generation)	not stated	carbon fibre composite
VD5 – Rear arm	Volador VD5 (first generation)	not stated	carbon fibre composite
2x O4 side plates	Volador V1, V2 and II 5" and 6" with DJI O4 Air Unit Pro camera	5 mm	aluminium alloy (CNC)

Package contents – arms	2 arms of the selected type (sold in pairs)
Package contents – side plates	1 pair of camera side plates (right and left, marked R and L)
Not included	screws, nuts and standoffs, protective TPU arm parts, motors, camera and other frame parts; use the hardware from the original frame
Product designation	FlyFishRC Volador – spare parts; the specific variant is stated on the proof of purchase
Manufacturer	FlyFishRC, Room 4F, Kaizhong Smart Park, No. 8 Hua'an Road, Zhongkai High-tech District, Huizhou City, Guangdong Province, China; sales@flyfishrc.com; www.flyfishrc.com

2. Use

2.1 Choosing the correct variant

- The arms **differ** between individual frames (in length, shape and thickness). Always choose the variant according to the exact designation of your frame (VX3, VX3.5, Volador II VX5, VD5, VD6 or first-generation Volador VD5).
- VD (deadcat) frames have **different front and rear arms**. Order the type that is actually damaged.
- **Volador II** frames (designation “II”) and first-generation **Volador VD5** frames are of different design. If you are not sure about the frame generation, compare the original arm with the photo of the variant or contact us.
- The O4 side plates are intended for Volador 5" and 6" frames (V1, V2 and II) with the **DJI O4 Air Unit Pro** camera. They are not intended for VX3/VX3.5 frames.

2.2 Safety during work

- Before any work on the frame, **disconnect and remove the battery** and remove the propellers.
- Carbon fibre composite is **electrically conductive**. Make sure that the edge of an arm or side plate does not touch exposed wires, solder pads or electronics.
- Do not sand or drill carbon edges without protection. Do not inhale carbon fibre dust and keep it away from your eyes and skin; work with safety glasses and a dust mask.
- Use tools that match the screw size. A worn hex key easily damages the screw head.

2.3 Replacing an arm

① Disconnect the battery and remove the propellers.

② Loosen the motor screws on the underside of the damaged arm and remove the motor. Do not pull on the motor wires – leave the motor connected to the electronic speed controller (ESC) if the wiring allows it.

③ Remove the protective TPU part (arm guard) from the arm, if fitted, and the motor wire protection tube, if used.

④ Loosen the screws that clamp the arm between the bottom and middle plates of the frame. Carefully slide the arm out.

⑤ Fit the new arm in the same orientation as the original one. On VD frames, pay attention to the difference between the front and rear arms.

⑥ First tighten the frame screws only lightly, check that the arm is seated correctly and only then tighten them in a crosswise pattern.

⑦ Refit the arm guard, mount the motor and refit the propellers only after the check described in Chapter 2.5.

※ The positions and lengths of the screws for each frame are given in the manufacturer's frame assembly guides: www.flyfishrc.com → Download → Frame Assembly Guide.

- Motor screws must not be longer than the original screws. A screw that is too long can touch the motor windings and destroy the motor.
- The frame screws come with threadlocker applied at the factory. When reusing them, we recommend applying fresh medium-strength threadlocker.

2.4 Replacing the camera side plates

① Disconnect the battery. Loosen the screws holding the camera in the side plates and carefully slide the camera out. Take care of the camera cable.

② Loosen the screws holding the side plates to the frame and remove the original side plates.

③ Fit the new side plates. The side plates are marked **R** (right) and **L** (left) – do not swap them.

④ Insert the camera, set the required tilt angle and tighten the screws. Check that the camera does not wobble in the side plates.



Pair of camera side plates for DJI O4 Air Unit Pro (illustrative photo)

2.5 Check after replacement and care

- Check that all frame and motor screws are tightened and none is missing.
- Turn the motors by hand. They must rotate freely, without rubbing and without touching the wires.
- Check that the motor wires do not run over sharp carbon edges and cannot get into the propeller.
- Refit the propellers in the correct direction of rotation and only then connect the battery.
- Inspect the arms after every harder crash. Replace an arm with a crack, a chipped edge or delaminated carbon immediately – it may fail in flight.
- Clean the parts with a dry or slightly damp cloth. Do not use solvents, which may damage the TPU parts.

3. Information for the EU and Czech Market

3.1 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

3.2 Disposal

- The spare parts contain no electronics or batteries and **are not electrical equipment**.
- Dispose of the carbon arms with mixed waste unless your municipality specifies otherwise. Do not burn the composite – harmful fumes are produced when it burns.
- Hand in the aluminium side plates as metal waste, for example at a collection yard.
- Sort the packaging according to its material (paper, plastic).
- Follow the waste management rules applicable in the municipality or country where you dispose of the parts.

4. 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 3.1.
- 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.