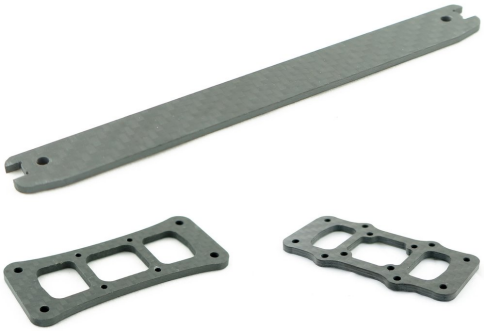
Samurai V3 – Parts

Spare parts for Samurai V3 Standard and Pro frames
User manual



Read this manual before assembly and keep it for future reference.

Rotorama, s.r.o. · www.rotorama.com

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1. Product description

1.1 Intended use

Rotorama Samurai V3 Standard/Pro – Parts are spare parts for the 5" **Rotorama Samurai V3 Standard** and **Samurai V3 Pro** frames for FPV quadcopters in the True X configuration. After a crash they let you replace only the damaged part without buying a whole frame, or modify the frame – for example by fitting the wide bottom plate for a stack with 30.5 × 30.5 mm mounting pattern.

The part is supplied in one of three types: **Side Force Generator (SFG)**, **bottom plate** and **wide bottom plate**. Side force generators are side bars fitted to the arms of the Pro version. They work similarly to those on an aircraft – in fast forward flight they help stabilise the quadcopter, and thanks to their rigid attachment to the arms they increase the stiffness and overall durability of the frame.



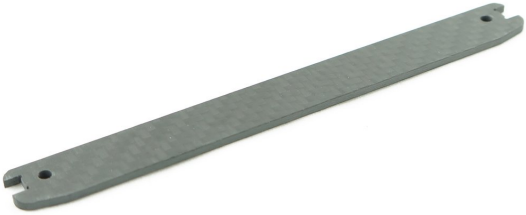
Samurai V3 frame with side force generators fitted (frame not included)

1.2 Specifications and package contents

Product designation	Rotorama Samurai V3 Standard/Pro – Parts
Compatibility	Samurai V3 Standard and Samurai V3 Pro frames
Available types	Side Force Generator (SFG); bottom plate; wide bottom plate
Material	carbon fibre (carbon composite)
Wide bottom plate	thickness 3 mm; M3 holes for stacks with 30.5 × 30.5 mm and 20 × 20 mm mounting patterns
Dimensions, weight	not specified by the manufacturer
Package contents	1× spare part of the selected type
Not included	screws, nuts and standoffs, other frame parts, electronics, propellers and battery

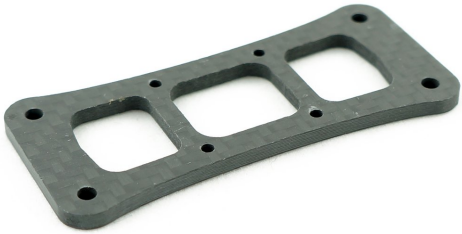
2. Use

2.1 Part types



Side Force Generator (SFG)

Side Force Generator (SFG) – a side bar that is screwed to the tips of the front and rear arm on one side of the Samurai V3 Pro frame. The Pro frame has two bars, one on each side (see the picture in Chapter 1.1).



Bottom plate

Bottom plate – replacement bottom plate of the frame centre section in the original design.



Wide bottom plate

Wide bottom plate – a 3 mm thick plate with M3 holes for stacks with 30.5 × 30.5 mm and 20 × 20 mm mounting patterns. Use it if you want to fit a stack with the larger mounting pattern.

2.2 Replacing a part

① Disconnect the battery and remove the propellers. Never work on a quadcopter connected to power with the propellers fitted.

② Loosen the screws holding the damaged part and remove the part. Take a photo of the assembly before dismantling it – it will help you keep the order of the parts, washers and cable routing.

③ Check the new part: the edges must be free of cracks and the part must not be delaminated (layers peeling off).

④ Fit the new part in place of the original one using the original screws (not included). Tighten the screws with care – an overtightened screw can damage the carbon, a loose screw will work free in flight.

⑤ When switching to the wide bottom plate with a 30.5 × 30.5 mm stack, you need M3 screws and standoffs of suitable length, which are not included.

⑥ After assembly check that no cable touches a sharp carbon edge or the propellers, that the motors spin freely and that all screws are tight. Only then fit the propellers and carry out the pre-flight check.

2.3 Safety and care

- **Carbon fibre is electrically conductive.** Electronic boards, solder pads and uninsulated wires must not rest directly on the carbon – there is a risk of a short circuit.
- Carbon edges can wear through cable insulation. Protect cables where they touch an edge with heat-shrink tubing or tape.
- Sanding, drilling or cutting carbon produces fine dust. Work wet, wear a respirator and safety glasses, do not inhale the dust and wash your hands afterwards.
- Do not use a part that is cracked or delaminated any more – replace it.
- After every crash check the whole frame and the tightness of all screws.
- The operator of the assembled quadcopter is responsible for its operation. Follow the regulations of the country in which you fly – **the law of the country of operation applies**.

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 product is not electrical or electronic equipment and contains no battery; the take-back of electrical equipment does not apply to it.
- Dispose of an unusable part in accordance with the waste rules of the municipality where you live (usually as mixed municipal waste). Do not burn the part.
- Put the packaging into separated waste collection.

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.