FlyFishRC Tool Kit

Tool kit for building and servicing FPV drones
User Manual



Read this manual before first use. The hobby knife, blades, scissors and side cutter are sharp – keep the kit out of the reach of children.

www.rotorama.com

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1. Product description

1.1 What it is for

FlyFishRC Tool Kit is a practical set of hand tools for building, maintaining and repairing FPV drones – at your workbench at home as well as outdoors at the flying field. It contains hex drivers, a prop wrench, a quick wrench with an 8 mm socket, a hobby knife with spare blades, scissors, a side cutter and fine-tip tweezers.

All tools are stored in a zippered textile case made of Oxford fabric, where they are held in place by elastic straps. The hand strap on the case makes it easier to carry and reduces the risk of dropping the case while carrying it.

1.2 Specifications and package contents

Product designation	FlyFishRC Tool Kit – 9PCS (manufacturer code PF00318)
Manufacturer	FlyFishRC, www.flyfish-rc.com
Dimensions	235 × 105 × 35 mm
Weight	432.8 g
Case material	Oxford fabric 600D × 300D

Qty	Package contents
1	hex driver 1.5 mm
1	hex driver 2.0 mm
1	hex driver 2.5 mm
1	prop wrench 8.0 mm
1	hobby knife handle (red)
5	spare #11 knife blade
1	quick wrench
1	8 mm socket
1	curved scissors
1	side cutter
1	fine-tip tweezers
1	tool case

Not included: soldering station or any other power tools, screws, nuts, propellers or other spare parts for the drone.

2. Use

2.1 Parts overview



Opened case with tools

① quick wrench

② 8 mm socket

③ fine-tip tweezers

④ spare knife blades

⑤ hex drivers 1.5 / 2.0 / 2.5 mm and prop wrench 8.0 mm

⑥ hobby knife handle

⑦ curved scissors

The side cutter is stored under the elastic strap in the middle of the upper part of the case.



Tool case, folded

2.2 Hex drivers and prop wrench

The 1.5 mm, 2.0 mm and 2.5 mm hex drivers are used to loosen and tighten hex socket screws, which are used on FPV drones for the frame, motors, camera and electronics mounts. The 8.0 mm prop wrench is a socket wrench for propeller nuts with an 8 mm width across flats.

- Always choose a driver that fits the screw head without play. A smaller size will strip the screw head and the screw can no longer be loosened.
- Hold the tip in line with the screw and press it into the screw head before turning.
- Tighten screws into metal threads (e.g. into a motor) with care – a screw that is too long or excessive force can damage the motor windings or strip the thread.
- Always **disconnect the battery** when working on the drone.

2.3 Quick wrench with 8 mm socket

The 8 mm socket fits into the quick wrench. The assembly is intended for quickly loosening and tightening 8 mm nuts – on FPV drones typically the propeller nuts on M5-threaded motor shafts.

- When loosening or tightening a propeller nut, hold the motor or propeller with your other hand so that the motor bell does not rotate.
- Tighten the propeller nut firmly, but without excessive force. Check the tightness after the first flights.
- Self-locking nuts with a nylon insert lose their locking effect after repeated use – replace them in time.

2.4 Hobby knife and blade replacement

The hobby knife with a #11 blade is used for precise cutting and trimming – e.g. stripping insulation or trimming tape, cable ties or heat-shrink tubing. The kit includes five spare blades.

① Loosen the collet at the end of the handle by turning it anticlockwise.

② Carefully remove the worn blade – hold it by the blunt part, with the cutting edge facing away from you.

③ Insert the new blade all the way in and tighten the collet firmly.

④ Before use, check that the blade has no play in the handle.

※ Always cut away from your body and fingers on a firm surface. Do not throw away used blades loose – wrap them so that nobody can get injured.

2.5 Scissors, side cutter and tweezers

- Use the **curved scissors** for cutting straps, hook-and-loop tape, heat-shrink tubing, double-sided tape and similar soft materials.
- The **side cutter** is used for cutting wires, component leads and cable ties. Do not use it on hard materials, steel wire, screws or carbon parts – this will damage the cutting edges.
- The **fine-tip tweezers** help with handling small parts – washers, small screws, connectors and wires during soldering.

2.6 Safety, storage and maintenance

- The tools are intended for hobby and model work. Do not use them as a lever, hammer or for any purpose other than the intended one.
- The tools are not insulated – do not use them on live equipment. Always disconnect the battery before working on the drone.
- Keep the knife, blades, scissors and side cutter out of the reach of children.
- After use, return the tools to their places under the elastic straps and close the case with the zipper.
- Keep the tools clean and dry. After working in damp conditions, wipe them dry; metal parts can be lightly treated with oil to prevent corrosion.
- Replace a dull or damaged blade in time – a dull blade requires more force and increases the risk of injury.

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 equipment and contains no batteries or accumulators.
- At the end of their service life, hand in the metal tools for scrap metal collection (e.g. at a municipal collection yard).
- Wrap used blades securely before throwing them away so that nobody can get injured.
- The textile case and parts that cannot be sorted belong in mixed municipal waste. Sort packaging materials by type into the appropriate containers.
- Follow the waste management rules of the municipality in which you dispose of the product.

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.