Battery protector

Carbon battery protector for FPV drones
User manual



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

www.rotorama.com

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1. Product description

1.1 What it is for

The battery protector is a thin carbon plate that is placed underneath the battery of an FPV drone. It is intended primarily for racing frames on which the battery is mounted on the underside of the frame and is therefore the first part to hit the ground on landing or in a crash.

The protector absorbs impacts and abrasion from the ground, gravel or grass and thus protects the battery wrap against punctures and scratches. Two foam pads between the protector and the battery dampen shocks and prevent slipping, and the LiPo strap threaded through the slots in the protector holds the protector and the battery firmly against the frame.



Battery protector with the foam pads attached

1.2 Technical data and package contents

Product designation	Battery protector
Plate material	carbon fibre composite (carbon)
Dimensions	75 × 45 × 1.5 mm
Weight	6 g
Package contents	1× protector 2× foam pad 1× LiPo strap 20 × 200 mm
Not included	battery, frame or drone

2. Use

2.1 Mounting on the drone

The protector is mounted on the underside of the battery – the side that faces the ground on landing. The order of the layers from the frame downwards is: **frame – battery – foam pads – protector**.

① Before mounting, remove the battery from the drone and disconnect it. Always carry out the installation with the battery disconnected.

② Place the foam pads on the side of the protector facing the battery, on both widened end sections of the plate (see the picture in Chapter 1.1). If the pads have an adhesive layer, peel off its protective film and press the pads onto the clean, dry surface of the plate.

③ Thread the LiPo strap through both longitudinal slots in the protector.

④ Place the battery on the drone frame and the protector with the pads on the underside of the battery.

⑤ Wrap the strap tightly around the protector, the battery and the frame and fasten it. The strap must be tight enough that neither the battery nor the protector can shift in flight or in a crash.

⑥ Check that the protector does not reach into the propellers and that the battery leads and the balance connector are not pinched under the strap or against the edge of the plate.

※ Make sure the strap is long enough to go around your battery, the protector and the frame with enough reserve to fasten it securely. Use a longer strap for larger batteries.

2.2 Safety, inspection and maintenance

- Carbon is **electrically conductive**. Make sure the plate does not touch exposed contacts, solder joints or damaged cable insulation.
- Before every flight, check that the strap is firmly tightened, the protector is in place and the pads are holding.
- After a hard crash, inspect both the protector and the battery. Replace a cracked, delaminated or bent plate. Do not continue to use a battery with a swollen, cracked or punctured wrap.
- Sharp or frayed plate edges can damage the battery wrap or the leads – sand them lightly under water so that you do not inhale carbon dust, or replace the protector.
- Replace worn foam pads and a frayed or loose strap in good time.
- The protector is an accessory for a drone. When operating the drone, observe the regulations of the country in which you are flying – the law of the country of operation always prevails.

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 does not contain a battery; take-back of electrical waste does not apply to it.
- Dispose of an unneeded protector, foam pads and strap with mixed municipal waste unless the rules of your municipality specify otherwise. Sort the packaging by material.
- Do not burn, crush or dry-sand the carbon plate – the resulting dust and fumes are harmful to health.

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.