M2 internal softmount

Flexible mounting for 20×20 mm flight controllers (M2)
User manual



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

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Contents

1. Product description

1.1 Intended use

1.2 Technical data and package contents

1.3 Safety

2. Use

2.1 Before you start

2.2 Installation

2.3 Inspection and replacement

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

3.2 Disposal

4. Warranty and rights arising from defective performance

1. Product description

1.1 Intended use

M2 internal softmount is a flexible grommet for mounting a flight controller (FC), or a complete stack of flight controller and electronic speed controller (ESC), of the **20×20 mm size with M2 screws**. The softmount is inserted directly into the mounting holes of the board and isolates it from the rigid screws and standoffs of the frame.

The flexible mounting absorbs vibrations from the motors and propellers before they reach the gyroscope of the flight controller. The flight controller thus receives a cleaner signal, keeps the quad stable more easily, and this has a positive effect on the flight characteristics of the whole quad.



M2 internal softmount – the groove around the circumference holds the edge of the hole in the board

1.2 Technical data and package contents

Product designation	M2 internal softmount
Intended for	flight controller stack, 20×20 mm size (M2)
Screw	M2
Height	4 mm
Package contents	4× M2 internal softmount
Not included	screws, nuts, standoffs, flight controller or frame

1.3 Safety

- The product contains small parts that can be swallowed or inhaled. Keep it out of the reach of children.
- The product is intended solely for installation in RC models. Do not use it for any other purpose.

2. Use

2.1 Before you start

- Make sure that the mounting holes of your flight controller (and ESC) are designed to take an internal softmount. A softmount will not fit into a hole intended only for a bare M2 screw – do not drill out the holes of the board.
- Prepare M2 screws or standoffs of a suitable length – with the softmounts inserted, the stack may be taller and the original screws may no longer be long enough.
- Disconnect the battery from the quad. Never work on the electronics while they are powered.

2.2 Installation

① Squeeze the softmount slightly and push it into the mounting hole of the board so that the edge of the hole snaps into the groove around the softmount. Repeat for all four holes.

② Check that all softmounts sit straight and protrude equally on both sides of the board.

③ Place the board onto the M2 screws or standoffs of the frame so that they pass through the centre hole of the softmounts.

④ Tighten the nuts or screws only lightly – the softmount may only be compressed slightly. An overtightened softmount loses its flexibility and stops damping vibrations.

⑤ For a stack, proceed in the same way for each board and leave a gap between the boards so that the components do not touch each other.

※ A flight controller mounted on softmounts must not be in rigid contact with the frame, taut cables or any other parts – every rigid contact transmits vibrations and cancels the damping.

2.3 Inspection and replacement

- After a crash and during routine maintenance, check that the softmounts are not torn, hardened or pushed out of the holes and that the board is still firmly held.
- Replace a damaged softmount – preferably the whole set, so that all four have the same flexibility.
- Retighten loose nuts only lightly. Do not use threadlockers, which could damage the flexible material.

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 or accumulator.
- Dispose of worn or unneeded softmounts as waste in accordance with the regulations of the municipality in which you dispose of the product. Hand over the packaging for separate 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.