Roma F4

Readytosky – spare frame arm
User manual



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

www.rotorama.com

Contents

1. Product description

1.1 Intended use

1.2 Specifications and package contents

2. Installation and use

2.1 Safety during work

2.2 Replacing the arm

2.3 Inspection after installation and after a crash

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

The spare arm is a genuine part of the 4" **Readytosky Roma F4** frame for freestyle and long-range quadcopters. It is used to replace an arm damaged in a crash – cracked, bent, frayed at the edges or with broken-out motor mounting holes.

The arm is cut from 3 mm thick carbon fibre. The outer end has the motor mounting holes, the inner end has the holes used to fasten the arm to the frame body. It is sold individually as a **front** or **rear** arm.



Readytosky Roma F4 frame with four arms
(illustrative photo of the complete frame)

1.2 Specifications and package contents

Product designation	Readytosky Roma F4 – spare arm
Manufacturer	Readytosky
Intended for	Readytosky Roma F4 frame (4")
Variants	front arm / rear arm
Material	carbon fibre, 3 mm thick
Arm dimensions	7 × 3 mm
Motor mounting holes	12 mm spacing, M2 thread
Frame motor-to-motor diagonal	170 mm
Package contents	1× arm (according to the selected variant)

※ Screws, nuts, motors and other frame parts are not included. Use the hardware from the original arm when replacing it.

2. Installation and use

2.1 Safety during work

- Before any work on the quadcopter, **disconnect the battery** and remove the propellers.
- Carbon fibre is **electrically conductive**. Make sure that the wires of the motors, the electronic speed controller (ESC) and other electronics cannot chafe against the edges of the arm – worn-through insulation can cause a short circuit.
- Carbon dust irritates the skin and the respiratory tract. If you sand or otherwise modify the edges of the arm, work wet, wear a respirator and gloves and do not inhale the dust.
- Never repair a cracked, delaminated or bent arm by gluing – always replace it.
- When flying a quadcopter built on this frame, follow the regulations of the country in which you fly – the law of the country of operation always prevails.

2.2 Replacing the arm

① Check whether you are replacing a front or a rear arm. Hold the new arm against the original one and compare the shape and the hole positions.

② Unscrew the motor from the damaged arm. If possible, leave the motor wires connected to the ESC and put the motor aside so that it does not hang by its wires.

③ Loosen the screws holding the arm in the frame body and remove the damaged arm. Keep the screws and nuts.

④ Insert the new arm in place of the original one so that the holes line up and tighten the screws evenly. Do not overtighten them – the carbon around the hole may be damaged.

⑤ Screw the motor on with the original screws. The motor screws must not be too long – if they touched the motor windings, the motor would be damaged.

⑥ Route the motor wires along the arm and secure them (e.g. with a cable tie or heat-shrink tubing) so that they do not touch the propeller or the sharp carbon edges.

※ We recommend securing screws in metal nuts with a medium-strength threadlocker. Do not use threadlocker on screws driven into plastic parts.

2.3 Inspection after installation and after a crash

- Check that the arm has no play in the frame and that the motor is firmly screwed on.
- With the propellers removed, use the flight controller (FC) configurator to verify that the motor on the replaced arm runs and spins in the correct direction.
- Fit the propellers only after this check.
- After every crash, inspect all arms: look for cracks, frayed edges, bending and torn-out holes. Replace a damaged arm before the next flight.

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 arm is a mechanical carbon-fibre part and **is not electrical equipment** – the take-back of electrical equipment does not apply to it.
- Dispose of an unneeded or damaged arm with mixed municipal waste or according to the rules of your municipality. Do not burn carbon-fibre parts.
- Put the packaging into sorted waste according to its material.

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.