Mobula7 V4 Frame

Happymodel 75mm V4 Frame – 75 mm whoop frame
for Mobula7, Mobula7 HD and Moblite7 · User manual



Always disconnect the battery and remove the propellers before working on the drone. Read this manual and keep it for future reference.

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1. Product description

1.1 What it is for

The **Happymodel 75mm V4 Frame** is a plastic whoop-style frame with integrated propeller guards (ducts) for small FPV drones with a 75 mm diagonal motor-to-motor distance. It serves as a replacement frame for the Happymodel **Mobula7**, **Mobula7 HD** and **Moblite7** – typically after a crash that has cracked or deformed the original frame – or as the basis of your own build with propellers up to 40 mm.

According to the manufacturer, the V4 frame is more durable than previous versions, the flight controller (FC) sits lower in the frame and the frame does not block the USB port, so the flight controller can be connected to a computer without disassembly. The frame is supplied on its own – without electronics and without mounting hardware.



V4 frame fitted with electronics, motors and propellers (illustrative photo by the manufacturer)

1.2 Specifications and package contents

Product designation	Happymodel 75mm V4 Frame (Mobula7 V4 frame)
Manufacturer	Happymodel
Type	whoop frame with propeller guards
Material	plastic
Diagonal motor distance	75 mm
Max. propeller size	40 mm
Weight	5.4 g
Colour options	transparent white, transparent black
Compatibility	Mobula7, Mobula7 HD, Moblite7
Package contents	1× frame
Not included	screws, motors, flight controller (FC), camera, canopy, propellers, battery



Frame colour options: transparent white and transparent black

2. Use

2.1 Before you start

- Disconnect the battery and remove the propellers.
- Work on a clean surface so that the small screws do not get lost.
- Use the original screws from your drone for the rebuild – no screws are included with the frame.
- Before disassembly, photograph the wire routing and the position of the antenna, camera and canopy.

2.2 Replacing the frame

① Remove the propellers and the canopy with the camera according to the design of your drone.

② Loosen the flight controller (FC) screws and carefully lift it out. Leave the motor wires connected if the design allows it.

③ Unscrew the motors from the motor mounts of the frame.

④ Fasten the motors to the motor mounts of the new frame with the same screws. Put each motor back in the same position it had in the original frame. Tighten the screws gently – a screw that is too long will damage the motor windings.

⑤ Route the motor wires along the frame arms so that they do not reach into the propeller area.

⑥ Insert the flight controller (FC) into the frame with the arrow pointing forward and fasten it. Check that the USB port is accessible.

⑦ Fit the canopy with the camera, place the receiver antenna out of reach of the propellers and install the propellers in the correct direction of rotation.

2.3 Check after assembly

- Without propellers, connect the drone to a computer and check the FC orientation, motor order and direction of rotation in the configurator (e.g. Betaflight).
- Check that the propellers spin freely and do not touch the frame, wires or antenna.
- Only then Arm (start the motors) and make a short test flight in a safe area. Spinning propellers can cause injury.

2.4 Frame care and inspection

- After every crash, inspect the frame, especially the propeller guards and motor mounts. Replace a cracked or deformed frame – it can cause vibrations or propeller contact with the frame.
- Clean the frame with a dry brush without solvents and do not expose it to high temperatures (e.g. in a car in the sun) – the plastic may deform.
- This product is not a toy – keep small parts out of the reach of children.

3. Information for the EU and Czech Market

The information in this chapter describes the situation in the Czech Republic. If you use the product in another country, the law of the country in which the product is operated is decisive.

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 frame is a plastic part without electrical components. Dispose of an unwanted frame in separated waste collection (plastics) or at a collection yard according to your local rules.
- Sort the product packaging by material type.
- If you dispose of a complete drone, hand in the electronics and the battery separately at a collection point for electrical waste and batteries – they do not belong in mixed or plastic waste.

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.