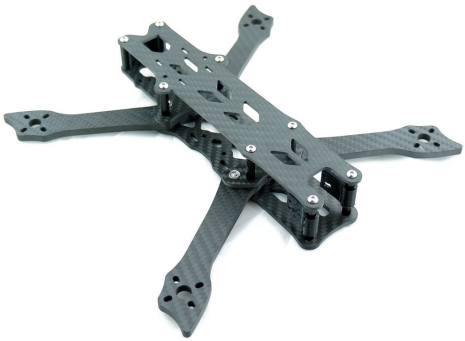
Buddy – Parts

Spare parts for Rotorama Buddy frames
User manual



Read this manual before replacing parts and keep it for future reference.

www.rotorama.com

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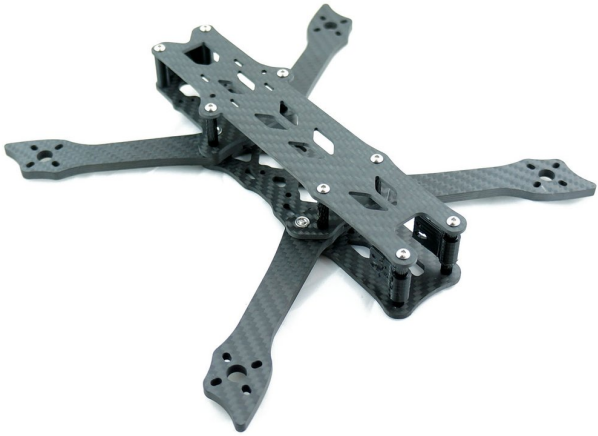
4.1 Rights of the buyer under Czech law

1. Product description

1.1 What it is for

Rotorama Buddy – Parts are spare and add-on parts for the **Rotorama Buddy 5" X**, **Buddy 5" Deadcat** and **Buddy 7"** FPV quadcopter frames. The range includes carbon parts (arms and plates) as well as 3D-printed accessories (camera and antenna mounts, kits for digital video transmitters). You can assemble a complete frame from the parts to suit your preferences, or use them to replace a part damaged in a crash.

Each arm is attached to the frame separately with three screws, so you can replace a single damaged arm without taking the whole quad apart. The bottom, middle, rear and top plates, the hardware and the mounts are shared by all three frame variants; the arms differ by variant.



Assembled Rotorama Buddy frame

1.2 Specifications and package contents

Product designation	Rotorama Buddy – Parts, type according to the selected variant (see table below)
Compatibility	Rotorama Buddy 5" X, Buddy 5" Deadcat and Buddy 7" frames
Package contents	1× part of the selected type
Not included	screws and nuts (sold separately as type *Hardware*), motors, electronics, propellers, battery, camera and video transmitter

Part type	For frame	Note
X 5" arm	Buddy 5" X (4 pcs per frame)	5 mm carbon
Deadcat 5.5" arm – front	Buddy 5" Deadcat (2 pcs)	5 mm carbon
Deadcat 5.5" arm – rear	Buddy 5" Deadcat (2 pcs)	5 mm carbon
7" arm – front	Buddy 7" (2 pcs)	5 mm carbon
7" arm – rear	Buddy 7" (2 pcs)	5 mm carbon
Bottom plate	all variants (1 pc)	3 mm carbon
Middle plate	all variants (1 pc)	—
Rear plate	all variants (1 pc)	—
Top plate	all variants (1 pc)	2 mm carbon
Hardware	all variants (1 set)	—
SMA antenna mount	all variants	3D print
Camera mount – Mini	all variants	3D print
Camera mount – Micro	all variants	3D print
GoPro mount	all variants	action camera mount
Kit for DJI O4 Pro	all variants	mounting of the DJI O4 Pro unit
Kit for DJI FPV	all variants	mounting of the DJI FPV (Air Unit)
Kit for DJI O3	all variants	mounting of the DJI O3 unit

Quantities in brackets correspond to one complete frame.

2. Use

2.1 Choosing the right part

Before ordering, check which variant of the Buddy frame you have. The arms differ by frame variant:

- **Buddy 5" X** – the arms are arranged symmetrically and all four are identical (type *X 5" arm*).
- **Buddy 5" Deadcat** – the front arms are spread further to the sides so that the propellers are not visible in the FPV camera. Front and rear arms differ.
- **Buddy 7"** – long-range frame for propellers up to 7". Front and rear arms differ.

The plates, hardware and 3D-printed mounts are shared by all three variants.



Carbon arms of the Buddy frame (illustrative photo)

2.2 Replacing an arm

① Disconnect the battery and remove the propeller from the motor on the damaged arm.

② Loosen the motor screws and remove the motor from the arm. You do not need to desolder the motor wires if the motor can be set aside next to the frame without straining the wires.

③ Loosen the three screws that hold the arm to the frame and remove the arm.

④ Place the new arm in the same position and fasten it with all three screws. This keeps the arms firmly in place without play.

⑤ Refit the motor. The motor screws must not be so long that they touch the motor windings – after tightening, check that the motor turns freely and smoothly.

⑥ Fit the propeller in the correct direction of rotation and carry out a pre-flight check before the first flight.

2.3 Plates and accessories

- The **bottom plate** carries the stack (flight controller and ESC), which on the Buddy is placed between the front and rear arms. The distance between the front and rear arms is 55 mm; the stack can be mounted with 20×20 mm (M3) or 30.5×30.5 mm hole spacing. For larger stacks the frame has slots instead of holes, so the stack can be shifted slightly to one side or the other.
- The **rear section of the frame** has 20×20 mm M2, 25.5×25.5 mm M2 and 30.5×30.5 mm M3 mounting holes – it is suitable for a video transmitter (VTX), for example Caddx Vista or Walksnail Avatar.
- The **top plate** has holes with 20×20 mm and 25.5×25.5 mm M2 spacing. At its rear there is an opening through which the cable with the XT60 connector can be routed. The top plate can then be removed easily, and a cable routed through the plate is less likely to get caught in the propellers.
- The **SMA antenna mount** and the **Mini camera mount** are part of the complete frame. A **Micro camera mount** is available for smaller cameras.
- The **DJI O3** and **DJI FPV (Air Unit)** fit into the frame with the corresponding set of 3D-printed parts; a separate kit is intended for the **DJI O4 Pro**.
- The Buddy has the same spacing of the four front standoffs as the Alien frame, so HD camera mounts designed for the Alien can also be used – at the front, rear and bottom.

2.4 Safety and inspection of parts

- **Carbon is electrically conductive.** Make sure that cable insulation cannot chafe on carbon parts and that no exposed solder pads can touch them – there is a risk of short circuit.
- Do not drill, sand or cut carbon parts without protection. This produces fine dust that irritates the skin and respiratory tract; wear a respirator and do not inhale the dust.
- Inspect the arms and plates after every crash. Replace any part with a crack, a chipped or delaminated edge – it may fail in flight.
- Regularly check that all frame screws are tight, especially the three screws of each arm and the motor screws.
- The parts are not a toy. Keep them out of the reach of children; small parts and screws present a choking hazard.

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 parts are not electrical equipment and contain no batteries or accumulators, so the take-back scheme for electrical equipment does not apply to them.
- Dispose of unwanted or damaged parts according to your municipality's waste management system: carbon and plastic (3D-printed) parts in mixed municipal waste, metal hardware in metal collection. Do not burn carbon parts.
- Sort the packaging by material (paper, plastic).
- Outside the Czech Republic, follow the waste regulations of the country in which you use the product.

4. Warranty and rights arising from defective performance

4.1 Rights of the buyer under Czech law

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.