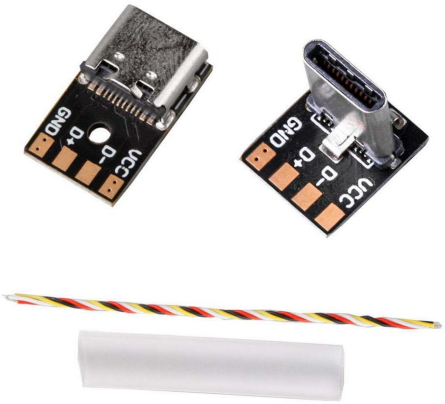
USB-C Adapter

Flywoo

USB-C adapter (male + female) for soldering



Read this manual carefully before installation. Installation requires soldering.

www.rotorama.com

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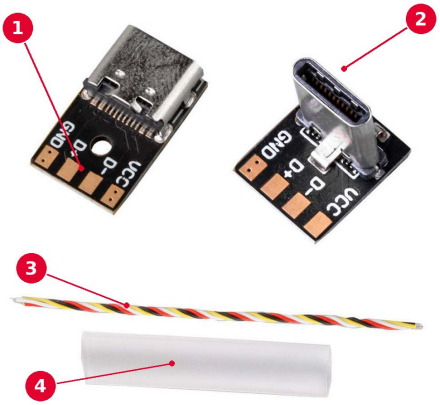
1. Product description

1.1 Purpose

The Flywoo USB-C Adapter is a pair of USB-C connectors – male and female – on small printed circuit boards with solder pads. It is used to extend and relocate a USB port that is hard to reach on a flight controller (FC) or a digital video transmitter (VTX) inside the drone.

The angled connector (male) plugs directly into the USB-C port of the unit, while the socket (female) is placed in an easily accessible spot on the frame. The two boards are connected with the supplied cable, which you cut to the required length and solder. According to the manufacturer, the adapter is intended for the DJI Air Unit, Caddx Vista and flight controllers with a USB-C connector.



① USB-C socket (female) · ② USB-C connector (male) · ③ connecting cable · ④ heat shrink tube

1.2 Technical data and package contents

Product designation	Flywoo Type C USB Adapter (Type C Male to Type C Female), code FW19001230
Connectors	USB-C male + USB-C female
Solder pads	GND, D+, D−, VCC (on both boards)
Weight	1.3 g (manufacturer's data)
Dimensions	20 × 8 × 13 mm (manufacturer's data)
Package contents	1× USB-C adapter (male + female) 1× cable, length 10 cm 1× clear heat shrink tube
Not included	soldering iron, solder, flux, hot air gun, USB cable to the computer, flight controller or video transmitter

2. Use

The adapter is supplied unsoldered – installation requires soldering. If you have no experience with soldering electronics, have the installation done by an experienced modeller or a service centre.

2.1 Wiring

Both boards have identically labelled solder pads. Connect each pad of connector ② with one wire to the identically labelled pad of socket ①:

Connector ② (male)	Wire	Socket ① (female)
GND	→	GND
D+	→	D+
D−	→	D−
VCC	→	VCC

※ Never cross the wires. Swapping VCC and GND may damage the connected flight controller, video transmitter and the USB port of the computer; swapping D+ and D− will prevent the device from connecting to the computer.

2.2 Installation procedure

① Disconnect the battery. Always work on the equipment with the power disconnected.

② Plug connector ② into the USB-C port of the flight controller (FC) or video transmitter (VTX) and choose a location for socket ① – easily accessible from the outside, out of reach of the propellers and so that the cable does not rub against sharp edges of the frame.

③ Measure the required length of cable ③ (supplied length 10 cm), add a small reserve and cut the cable. Strip and tin the wire ends.

④ Solder the wires to the pads of connector ②. Before soldering the other end, slide heat shrink tube ④ onto the cable – it will not be possible after soldering.

⑤ Solder the other ends of the wires to the identically labelled pads of socket ① according to the table in Chapter 2.1.

⑥ Check that solder has not bridged adjacent pads. Slide the heat shrink tube over the soldered joints and shrink it with hot air.

⑦ Plug connector ② into the port of the unit and fasten socket ① to the frame (e.g. with a cable tie or double-sided tape) so that it does not pull on the port of the unit when a cable is plugged in.

2.3 Function check

Connect the drone to the computer with a USB cable via socket ① and check that the flight controller or video transmitter connects in the same way as when plugged in directly – for example in Betaflight Configurator or in the video transmitter manufacturer's application. If the device does not connect, check the soldered joints, the order of the D+ and D− wires and whether connector ② is fully inserted in the port.

2.4 Safety and care

- Take care when soldering – the soldering iron tip and the heat shrink tube are hot; work on a non-flammable surface in a well-ventilated area.
- Do not pull on the cable and do not force a USB cable into socket ①. Mechanical stress is transferred to the USB port of the flight controller or video transmitter.
- Regularly check that the soldered joints and wires have not been loosened by vibration or a crash.
- Damage caused by improper soldering or incorrect wiring is not a defect of the product.

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 of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

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.