PH2.0 connector

Pair of PH2.0 connectors with cable (male + female)
User manual



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

www.rotorama.com

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1. Product description

1.1 Intended use

The package contains one pair of two-pin **PH2.0** connectors – a male and a female – with attached cable. PH2.0 connectors are used to power Tiny Whoops and other small 1S quadcopters: one half of the connector is soldered to the power lead of the drone, the other to the lead of a battery, a charging adapter or your own adapter cable.

Typical uses are repairing or replacing a damaged power lead (pigtail) on a drone, replacing a worn connector on a battery, or making your own adapter or extension cable.



PH2.0 connector – female (left) and male (right)

1.2 Technical data and package contents

Product designation	PH2.0 connector (1 pair)
Connector type	PH2.0, two-pin
Wire gauge	24AWG
Cable insulation	PVC
Wire colours	red and black
Package contents	1× male connector with cable 1× female connector with cable
Not included	battery, drone, heat-shrink tubing, soldering supplies and tools

2. Use

2.1 Safety during installation

- Always **disconnect the battery** from the drone and from the charger before working on the power lead.
- The soldering iron tip and the soldered joint are very hot. Work on a non-flammable surface in a well-ventilated area and do not inhale soldering fumes.
- **Observe the polarity:** the red wire is positive (+), the black wire is negative (−). Reversed polarity can destroy the drone's electronics when the battery is connected.
- Only mate a PH2.0 connector with a PH2.0 counterpart. Do not connect it to other connector types, even if they look similar.
- Insulate every joint so that bare wires cannot touch each other and cause a short circuit. A short-circuited Li-Po battery can overheat and catch fire.

2.2 Soldering the connector

① Disconnect the battery. If you are replacing a connector, cut off the old one.

② Shorten the cable of the new connector to the required length, strip the wire ends and tin them.

③ Slide a piece of heat-shrink tubing (not included) onto each wire.

④ Join wires of the same colour – red to red (+), black to black (−) – and solder the joints.

⑤ Slide the tubing over the joints and shrink it with hot air.

⑥ Before connecting a battery for the first time, check the polarity and verify (ideally with a multimeter) that there is no short circuit between the wires.

2.3 Connecting, disconnecting and maintenance

- Insert the connector in the correct orientation and all the way in. Do not force it.
- When disconnecting, hold the connector body, not the cable – pulling on the cable damages the joint and the contacts.
- The connector is intended for powering small 1S drones. For more powerful aircraft, use a connector rated for a higher current.
- The contacts wear with use. Replace a loose, blackened or melted connector – poor contact causes voltage drop and heating.

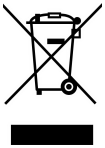
3. Information for the EU and Czech Market

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 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.