XT60E-F

Amass – XT60 panel-mount connector, female
User manual



Read this manual before installation. Always connect and solder the connector with the battery disconnected.

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1. Product description

1.1 What it is for

The Amass XT60E-F is an XT60-type power connector in the **female** version (with sockets), compatible with standard XT60 connectors. Unlike a common cable connector, it has a **flange with two mounting holes**, so it can be firmly screwed to a drone frame, a panel or a 3D-printed holder.

The female connector is normally used on the voltage source side (on batteries the female is on the battery side), because its contacts are recessed in the housing. On larger drones it serves mainly as a firmly mounted voltage output from the BEC, into which a male XT60 counterpart is plugged.



Amass XT60E-F – front view with flange and mounting holes

1.2 Technical data and package contents

Product designation	XT60E-F (moulded on the housing)
Manufacturer	Amass
Type	XT60 connector, female, with mounting flange
Compatibility	XT60 connectors – male
Mounting	2 mounting holes in the flange; nut thread diameter 2.5 mm
Package contents	1× XT60E-F connector (female)
Not included	screws and nuts, wires, male XT60 counterpart, heat-shrink tubing

※ The manufacturer has not published the current and voltage rating of this connector. Size the wires and protection according to the actual load of the circuit.

2. Use

2.1 Mounting on a frame or holder

① Choose a location with good access to the connector where the counterpart can be inserted in line without straining the cable.

② Prepare an opening for the connector body and two holes for the screws in the frame or holder according to the actual connector.

③ Fix the connector with two screws and nuts with a thread diameter of 2.5 mm. Tighten the screws gently – the flange is made of plastic.

④ Check that the connector is held firmly and that the cables at the rear are not kinked and do not touch sharp edges of the frame.

2.2 Connecting the wires

① Always work with the battery disconnected and with no voltage in the circuit.

② Solder the wires to the terminals at the rear of the connector before mounting, or make sure that the heat from the soldering iron does not damage the frame or holder.

③ **Observe the polarity** so that it matches the male XT60 counterpart on the device being connected. The XT60 housing has a chamfered side that prevents reverse insertion.

④ Solder quickly with a sufficiently powerful soldering iron; prolonged heating can deform the plastic housing and loosen the contacts.

⑤ Insulate the joints with heat-shrink tubing and, before connecting a power source for the first time, check the polarity and the absence of a short circuit with a multimeter.

2.3 Safety and maintenance

- Disconnect the connector by pulling the housing, never the cables.
- Do not use a connector with a damaged, deformed or burnt housing or with loose contacts – replace it.
- Keep the contacts clean and dry; protect them from moisture, dust and metal objects that could cause a short circuit.
- If the connector heats up excessively during operation, the circuit is overloaded or the joint is faulty – stop operation and eliminate the cause.
- This product is not a toy. Keep it out of the reach of children.

※ The regulations of the country in which the product is operated are decisive for its installation and operation.

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.