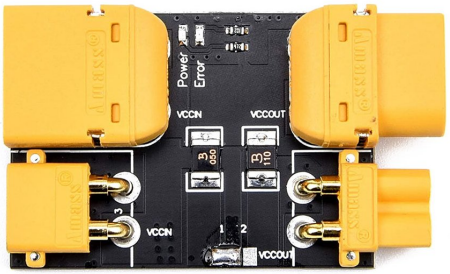
Smoke stopper XT60/XT30

User manual

Readytosky · 1S–6S batteries



Read this manual carefully before first use and keep it for future reference.

www.rotorama.com

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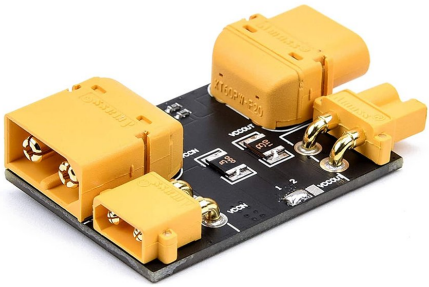
4.1 Rights of the buyer under Czech law

1. Product description

1.1 What it is for

The **Smoke stopper** is a simple fuse with connectors that is plugged in between the battery and the model. If the current draw is too high, it cuts the power supply and so protects the electronics. It is used mainly when **testing components** and when **connecting a battery for the first time** to a newly built or repaired quad.

If a short circuit or another wiring fault occurred during soldering, the Smoke stopper disconnects the power within milliseconds once the set current is exceeded, ideally preventing the components from burning out. The fuse is resettable, so the product can be used repeatedly. LEDs on the board indicate the status.

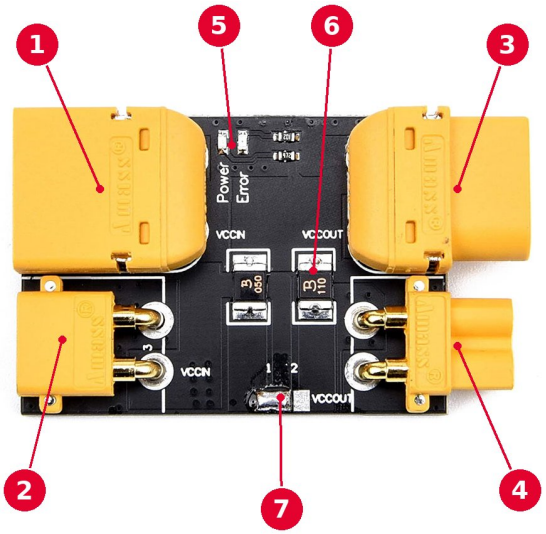


Smoke stopper XT60/XT30 with XT60 and XT30 connectors on both input and output

1.2 Specifications and package contents

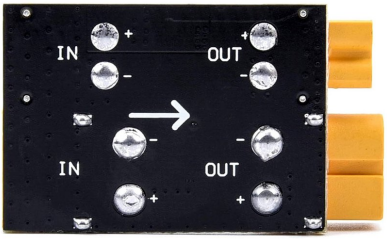
Manufacturer	Readytosky
Product designation	Smoke stopper XT60/XT30
Input voltage	1–30 V (1S–6S batteries)
Hold current	0.5 A / 1 A (depending on setting)
Trip current	1 A / 2 A (depending on setting)
Current setting	by re-soldering pads on the board
Connectors	XT60 and XT30 on the input (VCCIN / IN) and on the output (VCCOUT / OUT)
Protective element	resettable fuse – reusable
Indication	LEDs labelled Power and Error
Package contents	1× Smoke stopper XT60/XT30
Not included	battery, charger, connecting cables and adapters

1.3 Parts



Top view

① XT60 input connector (VCCIN) – for the battery
② XT30 input connector (VCCIN) – for the battery
③ XT60 output connector (VCCOUT) – for the model
④ XT30 output connector (VCCOUT) – for the model
⑤ LEDs labelled **Power** and **Error**
⑥ resettable fuses
⑦ solder pads **1** and **2** for setting the trip current



Bottom side – the arrow and the IN / OUT labels show the direction of connection

2. Use

2.1 Before first use

- Check that neither the product nor the connectors are mechanically damaged and that there are no solder residues or conductive debris on the board.
- Inspect the solder pads ⑦ and check which trip current is set (see chapter 2.5).
- Make sure the battery voltage does not exceed **30 V** (6S at most).

2.2 Connection and test

Always remove the propellers from the motors before testing.

① Keep the model disconnected from the battery and remove the propellers.

② Connect the model to the **output** – XT60 connector ③ or XT30 connector ④ on the **VCCOUT / OUT** side.

③ Connect the battery to the **input** – XT60 connector ① or XT30 connector ② on the **VCCIN / IN** side. Always connect only one battery to the input.

④ Watch the model and the LEDs on the Smoke stopper. If the model's electronics start up normally – the flight controller (FC) beeps and its LEDs light up – and the fuse does not cut the power, there is most likely no short circuit in the wiring.

⑤ If the Smoke stopper cuts the power, disconnect the battery immediately and proceed as described in chapter 2.4.

2.3 After a successful test

- Disconnect the battery first and only then the Smoke stopper from the model.
- For flying, connect the battery to the model **directly**, without the Smoke stopper. The Smoke stopper is not intended for flying or for normal operation of the model.
- When the motors spin up, the current draw may exceed the set trip current and the Smoke stopper will cut the power. This is not a product defect.

2.4 When the fuse cuts the power

① Disconnect the battery immediately.

② Find and remove the cause of the excessive current draw – typically a short circuit after soldering, reversed polarity, a damaged electronic speed controller (ESC) or a conductive object on the board.

③ The fuse is resettable. After the power has been disconnected and the fuse has cooled down briefly, the product is ready for use again.

④ Repeat the test. If the fuse cuts the power again, the fault in the model persists – do not connect the battery to the model directly.

2.5 Setting the trip current

The trip current can be set to **1 A** or **2 A** by re-soldering pads on the board. The pads are marked **1** and **2** (⑦ in chapter 1.3). The manufacturer has not published a detailed procedure; before first use, therefore, check which pad is bridged with solder.

- Solder only with the battery disconnected and on a product that has cooled down.
- After re-soldering, check that the solder does not bridge any neighbouring connections.
- A lower trip current protects sensitive electronics better, but the fuse may trip as early as during start-up of a model with a higher idle current.

2.6 Safety and care

- Do not exceed the input voltage of **30 V**.
- Do not connect two batteries to the input at the same time and never short-circuit the outputs deliberately.
- After the fuse has tripped, do not touch the fuses on the board – they may be warm.
- The Smoke stopper reduces the risk of damage to electronics, but it does not guarantee protection against every fault and does not replace a careful check of the wiring.
- Protect the product from moisture, conductive debris and mechanical damage. Store it in a dry place.
- When working with Li-Po batteries, follow their manufacturer’s instructions. Never leave a connected battery unattended.
- The product is not a toy. Keep it out of the reach of children.
- The legal information in chapters 3 and 4 describes the situation in the Czech Republic, where the product was purchased. If you use the product in another country, the law of the country in which you operate it is decisive.

2.7 Troubleshooting

Problem	Cause and solution
The fuse trips immediately after the battery is connected	Short circuit or wiring fault in the model. Disconnect the battery and find the fault (chapter 2.4).
The fuse trips during start-up or when the motors spin up	The model’s current draw exceeds the set trip current. For flying, connect the battery directly (chapter 2.3); alternatively consider the 2 A setting (chapter 2.5).
The model does not start after connection	Check the battery charge and connector, and that the battery is on the VCCIN / IN side and the model on the VCCOUT / OUT side.

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 Product conformity

CE

- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the address stated above or at the e-mail address info@rotorama.cz.
- **Product identification:** the type designation (Readytosky Smoke stopper XT60/XT30) is stated in this manual and on the proof of purchase. The product has no firmware.

3.3 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

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.