XT60 cable

XT60 – DC 5.5/2.5 mm power cable
for Miniware TS100/TS101 and Sequre SI012 soldering irons



Read this manual and the manual of your soldering iron before use and keep them for future reference.

Rotorama, s.r.o. · www.rotorama.com

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1. Product description

1.1 What it is for

This cable is an adapter from an **XT60** connector to a **DC 5.5/2.5 mm** coaxial (barrel) power connector. It lets you power a Miniware TS100, Miniware TS101 or Sequre SI012 soldering iron directly from a battery or a DC power source fitted with an XT60 connector.

This allows you to solder even where no mains power is available – for example when repairing a model right at the flying field. Connect the XT60 connector ① to the battery or power source and insert the coaxial connector ② into the power socket of the soldering iron.



① XT60 connector (input) · ② DC 5.5/2.5 mm coaxial connector (output)

1.2 Specifications and package contents

Product designation	XT60 cable for soldering irons
Input connector	XT60
Output connector	DC 5.5/2.5 mm coaxial
Intended for	Miniware TS100, Miniware TS101, Sequre SI012
Package contents	1× cable
Not included	soldering iron, battery or power source

2. Use

2.1 Choosing a power source

The cable does not convert the voltage in any way – it passes exactly the voltage supplied by the connected battery or power source to the soldering iron. Before connecting, always check in the manual of your soldering iron which input voltage its coaxial connector can accept.

Soldering iron	Input voltage on the DC 5.5/2.5 mm connector
Miniware TS100	12–24 V
Miniware TS101	9–24 V
Sequre SI012	see the soldering iron manual

Data for the Miniware soldering irons according to Rotorama product pages; the manual of the soldering iron manufacturer is binding.

Always calculate the voltage of a Li-Po or LiHV battery for a **fully charged** battery:

Battery	Li-Po (4.20 V/cell)	LiHV (4.35 V/cell)
3S	12.6 V	13.05 V
4S	16.8 V	17.4 V
5S	21.0 V	21.75 V
6S	25.2 V	26.1 V

※ A fully charged 6S battery has a higher voltage than the 24 V upper limit of the Miniware TS100 and TS101 soldering irons. Do not connect a 6S battery to these irons.

Do not discharge the battery below **3.5 V/cell** (10.5 V for 3S, 14.0 V for 4S). Monitor the voltage on the display of the soldering iron, or with a voltage checker if your iron does not offer this function.

2.2 Connecting and disconnecting

① Check that the cable, its insulation and both connectors are undamaged and clean.

② Push the DC 5.5/2.5 mm coaxial connector fully into the power socket of the soldering iron.

③ Only then connect the XT60 connector to the battery or power source. The XT60 connector is keyed and fits only one way – do not force it.

④ Switch on and operate the soldering iron according to its manual.

⑤ When you have finished, first disconnect the XT60 connector from the battery or power source, let the soldering iron cool down and only then pull out the coaxial connector.

2.3 Safety and cable care

- Keep the cable away from the tip of the soldering iron and from hot objects. Melted insulation can cause a short circuit.
- Do not short-circuit the contacts of the XT60 connector or of the coaxial connector while the cable is connected to a battery. A short circuit of a Li-Po battery can cause a fire.
- Disconnect the connectors by pulling the connector body, never the cable.
- Do not bend the cable at sharp angles or subject it to tension. Do not continue to use a damaged cable or connector.
- Never leave a heated soldering iron with a connected battery unattended. Always disconnect the battery after work.
- After work, store the Li-Po battery in a safe, non-flammable place; for long-term storage charge or discharge it to 3.8 V/cell.
- Store the cable in a dry place and protect it from moisture, dust and mechanical damage. Keep it out of the reach of children.

3. Information for the EU and Czech Market

The information in this chapter describes the situation in the Czech Republic. If you use the product in another country, follow the regulations of the country in which you operate it – the law of the country in which the product is operated is decisive.

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.