TS-KU

Sequre replacement soldering tip
User manual



The tip gets very hot. Before replacing it, switch the iron off, unplug it and let the tip cool down completely.

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1. Product description

1.1 What it is for

The **Sequre TS-KU** is a replacement soldering tip for the Sequre **SI012, SI012 Pro, SI012 Pro Max and SQ-D60** digital soldering irons. It is used for soldering electronics – for example replacing connectors, or soldering motor wires and power leads to the flight controller (FC) or electronic speed controllers (ESC) of FPV drones. Replace the tip when the original one is worn out, or when a different tip shape suits the job better.

The tip is made as **one piece with the heating element**: inside is a ceramic heating core that heats the tip from the inside, so it heats up quickly. The TS-KU tip has an angled, bevelled working face (see picture) that transfers heat well into larger solder joints. Replacing the tip therefore also replaces the heating element.



Working end of the TS-KU tip with its angled, bevelled face

1.2 Specifications and package contents

Product designation	Sequre TS-KU (manufacturer code TT00100KU)
Type	replacement tip with built-in ceramic heating core
Compatible irons (per manufacturer)	Sequre SI012, SI012 Pro, SI012 Pro Max, SQ-D60
Material	stainless steel, copper
Colour	silver
Length	approx. 105 mm
Package contents	1× TS-KU replacement tip
Not included	soldering iron, power supply, stand, cleaning sponge or brass wool, solder wire, flux

The manufacturer does not state compatibility with other soldering irons. If your iron is not listed above, check the tip type in its manual.

2. Use

2.1 Safety instructions

- The working part of the tip is very hot during soldering and stays hot for several minutes after the iron is switched off. Do not touch it and always put the iron in a stand.
- Never remove or insert the tip while the iron is switched on or connected. Always switch the iron off first, disconnect it from power and let the tip cool down completely.
- Work on a non-flammable surface, away from flammable materials, in a well-ventilated room – flux fumes irritate the respiratory tract.
- Wear safety glasses when soldering; a drop of molten solder can spatter.
- Keep out of the reach of children. Wash your hands after working with lead-containing solder.
- Do not continue to use a damaged tip (cracked, bent, or with a loose or damaged contact section).

2.2 Replacing the tip

① Switch the iron off, disconnect it from power and let the tip cool down completely.

② Release the tip retention as described in the manual of your soldering iron and pull the old tip straight out of the handle. Do not twist or bend the tip.

③ Check that the contact section of the new tip (white insulating rings with metal contacts at the rear end) is clean and undamaged.

④ Insert the new tip straight into the handle **all the way in** and secure the retention again.

⑤ Connect the iron to power and switch it on. If the iron reports a tip error or does not heat, follow chapter 2.4.

2.3 Soldering and tip care

- **Tin the new tip.** When heating it for the first time, apply a little flux-core solder to the working face so that it is fully covered with a thin layer.
- Clean the tip with brass wool or a damp cleaning sponge. Do not file or sand the tip – this damages its surface coating.
- Use the lowest temperature at which the solder melts reliably. An unnecessarily high temperature shortens the life of the tip.
- Place the whole angled face of the tip against the joint – this transfers heat fastest.
- Leave a layer of solder on the tip before putting the iron down and before switching it off; it protects the tip from oxidation.
- Do not use the tip as a lever or scraper, and protect it from drops and impacts.

2.4 Troubleshooting

Problem	Cause and solution
Solder does not stick, the tip is dull or black	Oxidised surface. Clean the tip with brass wool and tin it immediately, or use a tip-cleaning paste.
The iron reports a tip error or does not heat	The tip is not fully inserted or the contacts are dirty. Switch the iron off and disconnect it, remove the tip, check the contacts and insert it again.
The tip heats poorly, joints do not heat through	Temperature too low or poor contact with the joint. Apply the whole angled face, add a little solder for better heat transfer, or increase the temperature.

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.