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JOTRON RC-8SR Radio Controller Subrack

Description

The radio controller is easily operated using the front panel interface and the built-in speaker and microphone. Using a web browser, the operator can securely configure the device using an encrypted connection. The RC-8 can be powered through a redundant DC connection and Power over Ethernet (PoE). Also available: Part no. 104699 RC-8SR Radio Controller Subrack version with PJ7 connector.

RC-8C is a neat and user-friendly radio controller. This radio controller comes in three versions: Desktop (RC-8D), Console (RC-8C), and Sub-Rack (RC-8SR). It is a small and elegant device which can control up to eight radios (four channels) in a Main/Standby configuration. RC-8 is suitable for smaller airports, offshore helidecks and can also be used as an emergency radio controller.

Product Specifications

Mechanical / Housing

The mechanical housing for the radio controller is made of Aluminum which is 100% recyclable.

Electronics

5 boards in the radio controller unit contain electronic components:

- Processor & Display board
- Connector and Power supply board
- Encoder board
- Microphone and Bluetooth board
- Display adapter board

Some of the boards may contain critical materials which should be recycled.

Features

- Easy to configure and operate
- Security hardened OS based on Linux
- PJ7 or Lemo micro headset connector
- Built-in loudspeaker and microphone
- Dual LAN with Power over Ethernet

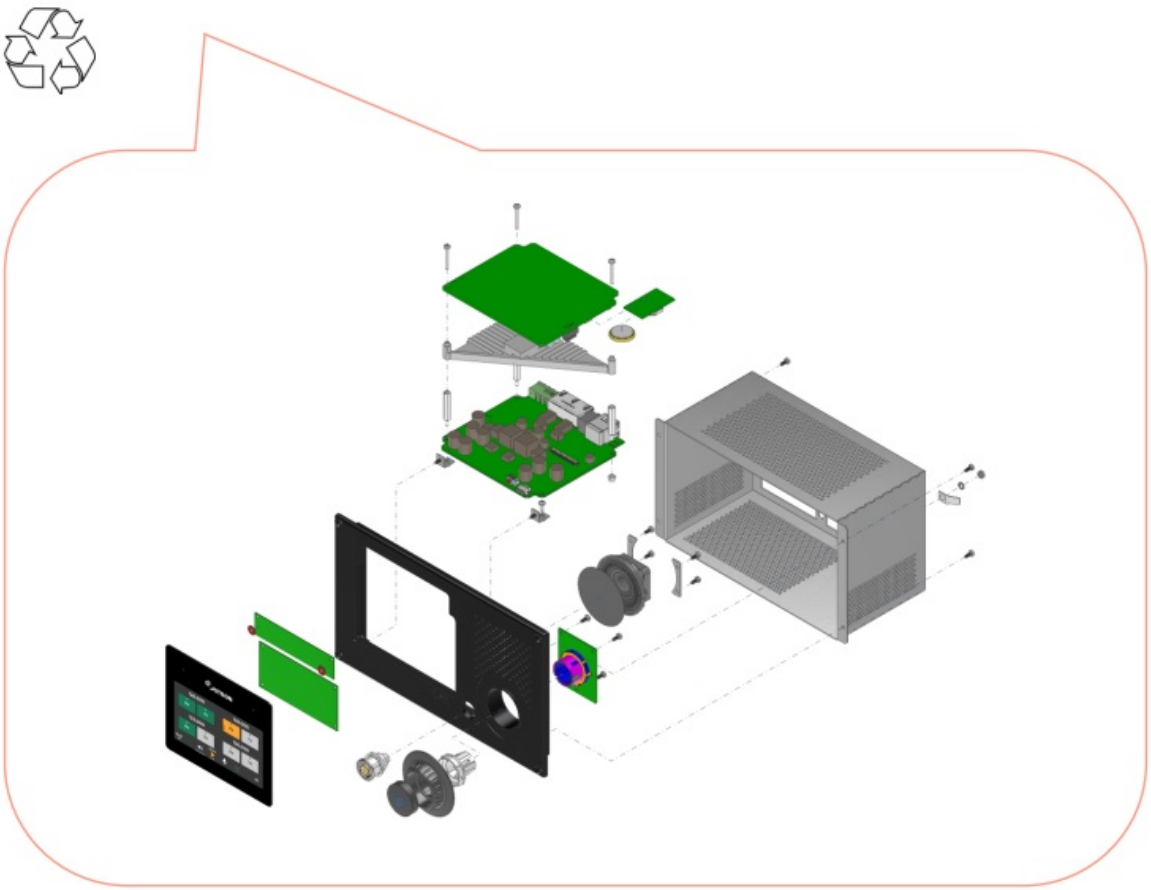
Battery

No batteries in the unit.

Product Instructions

Disassembly Steps

1. Remove the scroll/select knob.
2. Remove the bottom cover.
3. Disassemble the radio controller unit and separate metals and printed circuit boards.



- MECHANICAL /HOUSING
- ELECTRONICS
- BATTERY

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Proper Product Disposal and Recycling

For proper product disposal and recycling, please:

- Consult your local authorities about your country's disposal and recycling rules and regulations.
- Observe the applicable WEEE (Waste from Electrical and Electronic Equipment) rules.
- Refer to the table on the next page for details regarding critical raw materials in various components.

Critical raw materials (CRMs) are of high economic importance and have a high risk of supply chain disruption. In 2023, EU published a fifth list of 34 CRMs in the Annex II of the Regulation proposal COM(2023) based on the Study on the Critical Raw Materials for the EU 2023 – Final Report.

Based on the fifth list 2023 of critical raw materials for the EU, Jotron has conducted an analysis of CRM content in the company's products. The content is limited to information sourced by responses and documentation from suppliers and manufacturers. The sourcing of documentation was done by questions on email, phone calls, meetings and searching verified online pages. The CRM content is limited to commodity group, not part specific. The table below lists Jotron's commodity types that may contain critical raw materials (CRMs).

Capacitor	Connector	Diode	Fasteners	Fuse
Aluminium (bauxite) Copper	Brass (copper) Nickel	Copper Silicon	NA	Aluminium (bauxite) Copper Nickel
Inductive parts	Integrated circuit	Memory	Metal sheet	Opto

Magnesium Titanium dioxide	Aluminium (bauxite) Copper	Aluminium (bauxite) Baron Copper	Aluminium (bauxite) Copper Nickel	Fluorine Possible terbium* in display
Printed circuit boards	Relay	Resistor	Switchers	Batteries
Copper	Aluminium (bauxite) Copper Nickel	Aluminium (bauxite) Bismuth Boron Nickel Silicon Titanate (titanium)	Aluminium (bauxite) Copper Manganese Nickel Silicon	Aluminium Cobolt Copper Gallium Lithium Manganese Nickel

Heavy rare earth element

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FAQs

Are there any batteries included in the radio controller unit?

No, there are no batteries included in the unit.

What materials are used in the mechanical housing?

The mechanical housing is made of Aluminum, which is fully recyclable.

How many boards are there in the radio controller unit?

There are 5 boards in the unit containing various electronic components.

Documents / Resources

	JOTRON RC-8SR Radio Controller Subrack [pdf] Instruction Manual 104696, 104697, 104698, 104699, RC-8SR Radio Controller Subrack, RC-8SR, Radio Controller Subrack, Controller Subrack, Subrack

References

- User Manual

JOTRON

104696, 104697, 104698, 104699, Controller Subrack, JOTRON, Radio Controller Subrack, RC-8SR, RC-8SR Radio Controller Subrack, Subrack

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