ROTORAMA

Adapter 45°

45° angled antenna adapter

SMA – SMA · RP-SMA – RP-SMA · RP-SMA – SMA



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

www.rotorama.com

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1. Product description

1.1 What it is for

Adapter 45° is an angled adapter for SMA and RP-SMA antenna connectors. It is used to mount an antenna on a video receiver, a video transmitter (VTX) or another device with an SMA / RP-SMA antenna connector so that the antenna points at an angle of 45°.

The adapter is available in three variants depending on the combination of connectors. Choose the variant that matches the connector on the device as well as on the antenna – Chapter 2.2 explains how to identify the connector type.



Adapter 45° – 45° angled design

1.2 Technical data and package contents

Product type	45° angled antenna adapter
Connector variants	SMA – SMA RP-SMA – RP-SMA RP-SMA – SMA
RP-SMA – SMA variant	RP-SMA on the side connecting to the device (coupling nut with a hole in the centre), SMA on the side connecting to the antenna (external thread with a hole in the centre)
Package contents	1× adapter in the selected variant
Not included	antenna, device (receiver, video transmitter), tools
Product identification	Adapter 45°, connector variant (stated on the proof of purchase)

2. Use

2.1 What you will need

- a device with an SMA or RP-SMA antenna connector (e.g. a video receiver or video transmitter),
- an antenna with an SMA or RP-SMA connector,
- an adapter in the variant that matches both connectors.

2.2 How to identify the connector type

SMA and RP-SMA connectors look the same at first glance and have the same thread. They differ in the arrangement of the centre contact – a pin or a hole (socket):

Connector	Thread	Centre
SMA male	coupling nut – internal thread	pin
SMA female	external thread	hole
RP-SMA male	coupling nut – internal thread	hole
RP-SMA female	external thread	pin



Appearance of RP-SMA and SMA connectors

※ An SMA connector cannot be properly mated with an RP-SMA connector – even if the thread screws on, the centre contacts do not connect.

2.3 Installation step by step

① Switch off the device and disconnect its power supply. Never power a video transmitter without an antenna connected – it may be damaged.

② Identify the connector type on the device and on the antenna (Chapter 2.2) and check that the adapter matches both.

③ Screw the adapter onto the antenna connector of the device. If the adapter connects to the device with a coupling nut, turn the adapter body before tightening so that the antenna points in the required direction.

④ Tighten the nut by hand, gently. Do not use excessive force – the thread and the device connector may be damaged.

⑤ Screw the antenna onto the other side of the adapter and also tighten it by hand.

⑥ Check that the connection is firm and does not loosen. Only then switch the device on.

2.4 Safety and care

- Do not mate SMA and RP-SMA connectors with each other and do not force connectors together – the centre contact may be damaged.
- An angled adapter lengthens the lever through which the antenna acts on the device connector. On a drone or model, protect the antenna from impacts and check the connection regularly.
- Keep the connectors clean and dry; remove any dirt before connecting.
- The adapter is a small part – keep it out of the reach of small children.
- The product is intended for persons aged 14 and over.
- The operation of radio equipment and drones is governed by the regulations of the country in which you operate them; the law of the country of operation always prevails.

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 product contains no electronics or batteries and is not subject to the take-back of electrical equipment. At the end of its service life, take it to a metal collection point or dispose of it in accordance with the rules of your municipality.

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.