



Male-to-Male Adapter

Coaxial adapter SMA / RP-SMA
User manual



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

www.rotorاما.com

Contents

1. Product description

1.1 Purpose

1.2 Specifications and package contents

2. Use

2.1 Telling SMA and RP-SMA connectors apart

2.2 Connecting the adapter

2.3 Warnings and care

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

3.2 Disposal

4. Warranty and rights arising from defective performance

1. Product description

1.1 Purpose

The male-to-male adapter is a straight-through coaxial adapter with a **male** connector at both ends (a plug with an internally threaded coupling nut). It is used to join two parts that both end in a **female** connector – for example an antenna or extension cable with a female connector and the antenna connector on a video transmitter (VTX), receiver or FPV goggles.

The adapter is sold in two variants by connector type: **SMA** and **RP-SMA**. Both ends of the adapter are always of the same type according to the selected variant – the adapter does not convert SMA to RP-SMA. It is a passive part and requires no power supply or settings.



SMA variant – male with centre pin



RP-SMA variant – male with centre socket

1.2 Specifications and package contents

Product type	Passive coaxial male-to-male adapter, no power supply
Variants	SMA male – SMA male RP-SMA male – RP-SMA male
Package contents	1× adapter in the selected variant
Not included	Antennas, cables, video transmitter, receiver or any other equipment
Product designation	Male-to-male adapter, SMA or RP-SMA variant

2. Use

2.1 Telling SMA and RP-SMA connectors apart

SMA and RP-SMA connectors share the same thread and outer shape but differ in the centre contact:

Connector	Thread	Centre contact
SMA male	internal (in the nut)	pin
SMA female	external	socket
RP-SMA male	internal (in the nut)	socket
RP-SMA female	external	pin

❖ **SMA and RP-SMA are not compatible. If SMA is screwed onto RP-SMA, two pins or two sockets meet and the joint carries no signal - the transmitter works as if no antenna were connected.**

2.2 Connecting the adapter

- ① Switch off the device you are connecting the antenna to (on a drone, disconnect the battery).
- ② Make sure that both parts you want to join have a female connector of the same type (SMA or RP-SMA) as the adapter.
- ③ Fit the adapter straight onto the first connector and tighten the coupling nut by hand. Turn only the nut, not the whole adapter or the connected antenna.
- ④ Connect the second part in the same way.
- ⑤ Check that the joint is firm and has no play. Only then switch the device on.

Never switch on a video transmitter (VTX) or any other transmitter without a correctly connected antenna - it may be damaged.

2.3 Warnings and care

- Tighten the nuts by hand. Do not use pliers or excessive force – this may damage the thread or the centre contact.
- Every additional joint in the antenna path adds a small signal loss. Use only as many adapters as strictly necessary.
- The adapter lengthens the antenna joint and acts as a lever on impact. Secure the antenna on the drone so the transmitter connector is not stressed in a crash.
- Protect the connectors from dirt and moisture. Do not continue to use an adapter with a bent or damaged centre contact.
- Small part – keep out of the reach of children; risk of swallowing or inhalation.
- With transmitting equipment, observe the rules on permitted frequencies and transmit power. The law of the country of operation is decisive.

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@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.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.