



Extension Cable

for FPV antennas – MenaceRC Extensions 5.8Ghz
Variants 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

The MenaceRC extension cable is a short coaxial cable with SMA or RP-SMA connectors that is fitted between a device and its antenna. It is used to extend an FPV antenna – for example when you need to move the antenna on a drone further away from the frame, or to position it differently on FPV goggles or a receiver. The manufacturer states that the cable is designed for the 5.8 GHz band with minimal signal loss.

The cable is semi-flexible: it can be bent and holds its shape, so you can use it to set the direction of the antenna. The **RP-SMA → SMA** variant also works as an adapter – it lets you connect an antenna with an SMA connector to FPV goggles or another device with an RP-SMA connector.



*MenaceRC extension cables;
inset: detail of the connector
with the coupling nut.*

1.2 Specifications and Package Contents

Manufacturer	MenaceRC (United Kingdom)
Product designation	MenaceRC Extensions 5.8Ghz
Variants	SMA-SMA, RP-SMA-RP-SMA, RP-SMA-SMA
Intended band	5.8 GHz (FPV video transmission)
Length	50 mm
Design	semi-flexible coaxial cable, coupling nut on one end, external thread on the other
Package contents	1× extension cable in the selected variant
Not included	antenna, video transmitter (VTX), FPV goggles or any other device, mounting material

2. Use

2.1 Choosing the Right Variant

SMA and RP-SMA connectors have the same thread but a reversed centre contact. They can be screwed together, but the connection does not work – the centre contacts do not meet. Before fitting, therefore, check which connector your device has and which one the antenna has.

Variant	Coupling-nut end - to the device	External-thread end - for the antenna
SMA → SMA	SMA (centre pin)	SMA (centre socket)
RP-SMA → RP-SMA	RP-SMA (centre socket)	RP-SMA (centre pin)
RP-SMA → SMA	RP-SMA (centre socket)	SMA (centre socket)

※ Screw the coupling-nut end onto the device (VTX, FPV goggles, receiver), then screw the antenna onto the external-thread end.

2.2 Connecting the Antenna

- ① Switch the device off or disconnect the battery. Unscrew the antenna from the device.
- ② Screw the coupling-nut end of the cable onto the device connector. Tighten the nut by hand, gently.
- ③ Screw the antenna onto the other end of the cable and again tighten it by hand.
- ④ Bend the cable so that the antenna points in the desired direction and does not touch the propellers or any other moving parts.
- ⑤ On a drone, secure the cable or antenna to the frame (e.g. with a cable tie or an antenna mount) so that the VTX connector does not carry its weight and impacts.
- ⑥ Switch the device on only after the antenna is connected.

Never power a video transmitter (VTX) without an antenna connected - it may be damaged. A cable without an antenna at its end does not count as an antenna.

2.3 Guidelines for Correct Use

- The cable is designed for the 5.8 GHz band. Every additional joint and length of cable between the device and the antenna adds some signal attenuation, so use an extension cable only where it is really needed.
- Bend the cable smoothly, not at a sharp angle right next to a connector. Repeatedly bending it back and forth at the same point gradually damages the cable.
- Do not overtighten the connectors with a tool – this can damage the thread or tear the connector off the VTX board. Do not bend the cable or antenna by

levering against the device connector.

3. Care and Troubleshooting

After a crash or impact, check that the cable is not broken, that the insulation is intact and that the connectors are firmly attached and not bent. Replace a damaged cable. Protect the connectors from dirt and moisture.

Problem	Possible cause and solution
Much worse video or range after connecting the cable	SMA and RP-SMA mixed – the centre contacts did not meet. Check the connectors against the table in Chapter 2.1 and use the correct variant.
Video drops out when the antenna moves	Loose joint – tighten the nuts by hand. Check that the cable is not broken at a connector.
The antenna cannot be screwed on	The antenna has the same type of end as the cable (e.g. both with an external thread). Choose a cable with the matching termination.

4. Information for the EU and Czech Market

4.1 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

4.2 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>.

5. 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 4.1.
- 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.