SMA / RP-SMA Terminator

50 Ω termination load
User Manual



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

www.rotorama.com

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1. Product description

1.1 Purpose

The terminator is a **50 Ω** termination load that screws onto an unused antenna connector. A properly terminated line eliminates the signal reflections that would otherwise occur at the open connector and degrade reception.

It is typically used with a **Triple Feed Patch** antenna, which has two connectors – one for each polarisation (RHCP or LHCP). The connector with the required polarisation is connected to the receiver and the second, unused connector is terminated with the terminator.



Terminator – view of the closed end

1.2 Specifications and package contents

Product designation	Terminator SMA/RP-SMA
Resistance (impedance)	50 Ω
Connector	SMA or RP-SMA – depending on the selected variant
Design	male connector with coupling nut (see Chapter 2.1)
Package contents	1× terminator
Not included	antenna, receiver or any other accessories

2. Use

2.1 Telling SMA and RP-SMA apart

The terminator is supplied in two variants. Both have the same outer thread and coupling nut; they differ in the centre contact:

- **SMA** – there is a **centre pin** in the middle of the connector (left picture),
- **RP-SMA** – there is a **centre socket** in the middle of the connector (right picture).



Left: SMA terminator (centre pin), right: RP-SMA terminator (centre socket)

Choose the terminator variant according to the connector on the antenna. The mating connector on the antenna must have the opposite centre contact – the pin of the terminator fits into the socket of the antenna and vice versa. If SMA and RP-SMA are mixed up, the nut can often still be screwed on, but the centre contacts do not connect and the line **remains unterminated**.

2.2 Connecting to a Triple Feed Patch antenna

① Use the antenna documentation to find out which connector corresponds to the required polarisation (RHCP or LHCP). The polarisation must match the antenna on the video transmitter (VTX).

② Connect this connector to the video receiver or to the FPV goggles.

③ Screw the terminator onto the second, unused connector of the antenna. Turn the nut **by hand** until the terminator seats firmly.

④ To change the polarisation, swap the terminator and the receiver lead between the connectors.

2.3 Warnings and care

- The terminator is intended to terminate the unused connector of a receiving antenna. The manufacturer does not state a power rating – therefore **do not use the terminator as a substitute for the antenna on a video transmitter (VTX)** or as a dummy load for power measurements.
- Tighten the nut by hand only, with care. A spanner or pliers may damage the thread of the antenna connector and of the terminator.
- Before screwing it on, check that the thread is clean and the centre contact is neither bent nor dirty. Do not screw the connectors on at an angle.
- The terminator is small and easily lost – keep it screwed onto the connector when transporting the antenna.
- Store the product in a dry place and out of the reach of small children – it is a small object that can be swallowed.

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

Disposal is governed by the regulations of the country in which you use the product. The information below describes the situation in the Czech Republic.



- 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.