SMA Extension Cable

TrueRC 15cm Vertical SMA Extension
SMA male 90° → SMA female, length 15 cm
User manual



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

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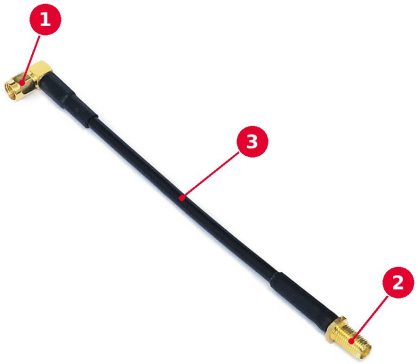
1. Product description

1.1 Intended use

The TrueRC vertical extension is a short 15 cm coaxial cable with SMA connectors at both ends. It is used to extend an antenna port – typically to move the antenna away from FPV goggles or to place it in a better position where it is not shadowed by the pilot's head, the goggle strap or other accessories.

One end has an angled **SMA male (90°)** connector that screws onto the SMA socket of the device. The other end has a straight **SMA female** connector for the antenna. The cable is semi-flexible – it can be bent into the required shape and then holds it. The cable is passive – it contains no electronics or battery and needs no power supply.



① SMA male 90° – to device · ② SMA female – to antenna · ③ coaxial cable

1.2 Technical data and package contents

Product designation	TrueRC 15cm Vertical SMA Extension
Manufacturer	TrueRC (Canada)
Cable length	15 cm
Device-side connector	SMA male, angled 90°
Antenna-side connector	SMA female, straight
Cable type	semi-flexible coaxial cable, holds its shape
Loss	0.38 dB (at 5.8 GHz)
Package contents	1× extension cable
Not included	antenna, SMA / RP-SMA adapter, FPV goggles or any other device

2. Use

2.1 Before connecting the cable

- Make sure the device (FPV goggles, receiver, video transmitter) has an **SMA female** antenna socket and the antenna has an **SMA male** connector. This cable is SMA, not RP-SMA. SMA and RP-SMA connectors look similar, but they do not connect the centre contact – use a suitable adapter for an antenna or device with RP-SMA.
- Check that the threads and centre contacts of both connectors are clean and undamaged.
- Switch the device off. Never power on a transmitter (VTX, RC transmitter) without an antenna connected – it could be damaged.

2.2 Connection

① Unscrew the antenna from the device.

② Screw the angled SMA male connector of the cable onto the device socket. Before tightening, turn the cable to the required direction – the angled end lets you route the antenna, for example, vertically upwards.

③ Screw the antenna onto the straight SMA female connector.

④ Tighten both joints by hand. Do not use pliers or a wrench – excessive tightening torque damages the thread and the centre contact.

⑤ Bend the cable into its final shape and check that the antenna does not hit anything and is not bent at the connector.

⑥ Switch the device on and check video or signal reception.

2.3 Use and care

- Do not bend the cable repeatedly at the same spot and do not bend it sharply right at the connectors – the conductor or shielding may break.
- Do not pull the cable by its connectors and do not hang any load on it.
- When mounting and removing, always hold and turn the connector's coupling nut, not the cable.
- Extending an antenna always means some signal loss. Use the cable only where a better antenna position outweighs the loss in the cable.
- Protect the connectors from dirt and moisture. Remove dirt with a dry brush; do not use solvents.
- If reception gets noticeably worse after connecting the cable, check the connector type (SMA / RP-SMA), tightness and mechanical damage to the cable.

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 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.

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.