Unify Pro Pigtail U.FL

TBS Unify Pro 5G8 SMA pigtail (U.FL)
User manual



Disconnect the battery before installation. Never power up the video transmitter without an antenna connected.

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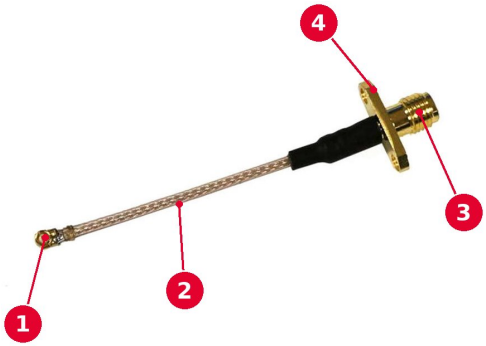
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1. Product description

1.1 What it is for

The pigtail is a short antenna cable that connects a **TBS Unify PRO 5G8** or **TBS Unify PRO 5G8 HV** video transmitter (VTX) to the antenna. One end has a **U.FL** connector that plugs directly onto the transmitter; the other end has an **SMA female** connector onto which the antenna is screwed.

The product is a spare part – for example when the original pigtail is torn off or damaged in a crash. The U.FL connector snaps onto the transmitter, no soldering is required.



Parts of the pigtail

① U.FL connector – plugs onto the video transmitter

② Coaxial cable

③ SMA female connector – the antenna screws on here

④ Flange with holes for mounting the connector to the frame

1.2 Specifications and package contents

Product designation	TBS Unify Pro 5G8 SMA Pigtail (u.Fl)
Manufacturer	Team BlackSheep (TBS)
Intended for	TBS Unify PRO 5G8, TBS Unify PRO 5G8 HV
Connectors	U.FL – SMA female
Length	65 mm
Weight	2.71 g
Package contents	1× pigtail
Not included	antenna, video transmitter, hardware for mounting the flange to the frame

2. Use

2.1 What you will need

- a TBS Unify PRO 5G8 or TBS Unify PRO 5G8 HV video transmitter in the version with a U.FL antenna connector,
- a 5.8 GHz antenna with an **SMA male** connector (see Chapter 2.3),
- depending on the frame design, screws or a cable tie to secure the flange ④.

2.2 Installing the pigtail

Disconnect the battery before installation. Never power up the video transmitter without an antenna connected – it may be damaged.

① Disconnect the battery and make sure the video transmitter is not powered.

② If the original pigtail is still on the transmitter, unscrew the antenna from it and release the flange from the frame. If the transmitter has a screw-secured U.FL connector, release the retainer first. Then carefully lever the U.FL connector straight up – never pull on the cable.

③ Place the U.FL connector ① of the new pigtail squarely onto the mating connector on the transmitter and press gently until it clicks. The connector must not sit at an angle. If the transmitter has a screw retainer, fit it again.

④ Route the cable ② without sharp bends, away from the propellers and sharp edges of the frame.

⑤ Mount the SMA connector ③ to the frame by its flange ④ so that no pull acts on the cable and the U.FL connector, even in a crash.

⑥ Screw the antenna onto the SMA connector and tighten it by hand, without tools.

⑦ Only then connect the battery and check the image in your goggles or on the monitor.

2.3 SMA or RP-SMA?

SMA and RP-SMA connectors look the same at first glance and have the same thread, but they differ in the centre contact. This pigtail has an **SMA female** connector – external thread and a socket in the centre. It mates with an antenna that has an **SMA male** connector – a coupling nut and a pin in the centre.



Telling SMA and RP-SMA connectors apart. Source: TBS

- An antenna with an **RP-SMA** connector can be screwed onto this pigtail, but the centre contacts will not connect and the antenna will not work.
- Therefore always check the connector type when buying an antenna.

2.4 Safety and care

- The product is intended for persons aged 14 and over.
- The U.FL connector is delicate and does not tolerate frequent plugging and unplugging. Handle it with care, always straight and without levering it sideways.
- Replace a damaged cable or connector – it degrades image quality and range.
- Regularly check that the antenna is firmly tightened and that the cable does not chafe against the frame.
- The operation of the video transmitter and the drone is governed by the regulations of the country in which you operate it (frequency bands, transmit power, drone operating rules). 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.cz

3.2 Disposal

The product contains no electronics and no batteries. At the end of its service life, do not discard it in the environment – take it to a collection yard or to metal collection in accordance with the rules of your municipality. The cable and connectors contain metals that can be recycled.

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.