



Lollipop 4 Plus

Foxeer · 5.8 GHz antenna, u.FL Tube 165 mm
RHCP / LHCP · pack of 2



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

Contents

1. Product description

1.1 What it is for

1.2 Specifications and package contents

2. Use

2.1 Choosing the polarisation

2.2 Connecting to the video transmitter

2.3 Mounting on the frame

2.4 Transmit power and regulations

2.5 Care and troubleshooting

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

3.2 Disposal of electrical equipment

4. Warranty and rights arising from defective performance

1. Product description

1.1 What it is for

Foxeer Lollipop 4 Plus is an omnidirectional, circularly polarised antenna for analogue and digital FPV video transmission in the 5.8 GHz band. The radiating element is a gold-plated pattern on a printed circuit board, protected by a durable plastic cover. The antenna has a uniform radiation pattern in all directions, so it keeps the video link even during rapid changes in the attitude of the quad.

This version has a **u.FL connector** on a thin coaxial cable and an overall length of **165 mm**. In its upper part the cable runs inside a rigid tube, which lets the antenna stick out well beyond the frame of the quad, away from the propellers and conductive carbon parts. The long versions are suited mainly to freestyle and long-range quads. The u.FL connector snaps directly onto the video transmitter (VTX).



*Lollipop 4 Plus u.FL
Tube*

1.2 Specifications and package contents

Product designation	Foxeer Lollipop 4 Plus, u.FL Tube 165 mm
Antenna type	omnidirectional, circular polarisation RHCP or LHCP (per variant)
Frequency band	5.5–6 GHz, centre frequency 5.75 GHz
Gain	2.6 dBi
Axial ratio	close to 1
SWR	1.07 at the centre frequency
Radiation efficiency	98 %
Connector and length	u.FL, overall length 165 mm
Weight	3.8 g (1 pc)
Housing material	PC + ABS
Package contents	2× antenna (both of the same polarisation)
Not included	video transmitter, antenna mount, mounting material

2. Use

2.1 Choosing the polarisation

The antenna is sold in two polarisation variants: **RHCP** (right-hand) and **LHCP** (left-hand). The polarisation of the antenna on the quad must be **the same** as the polarisation of the antennas on your goggles or video receiver. With mismatched polarisation the received signal is considerably weaker and the video range is noticeably shorter.

- Before buying and fitting the antenna, check the polarisation of your goggle antennas – it is usually marked directly on the antenna or in its specifications.
- When flying in a group, it is advisable to agree on a common polarisation, or to use the opposite polarisation as a simple way of separating yourself from other pilots.

2.2 Connecting to the video transmitter

✳ **Never power on the video transmitter without an antenna connected. The transmitter may be permanently damaged.**

- ① Disconnect the quad's battery so that the video transmitter is not powered.
- ② Locate the u.FL antenna connector on the video transmitter. If the transmitter has more than one connector, follow its manual.
- ③ Place the antenna connector squarely above its counterpart and press it down evenly until it snaps in. Do not push at an angle and do not use excessive force.
- ④ Check that the connector sits straight and does not come off when you pull the cable lightly.
- ⑤ Route the cable near the connector loosely, without sharp bends, and secure it against being pulled out – for example with a cable tie or a piece of tape.

The u.FL connector is small and is not designed for frequent disconnection. When disconnecting it, lift it straight up by the connector body – ideally with a u.FL removal tool – and never pull on the cable.

2.3 Mounting on the frame

- Fit the antenna tube into the antenna mount on the frame, or attach it to the rear of the frame with cable ties.
- The antenna head must stick out **out of reach of the propellers** and as far as possible from carbon parts, the battery and wiring, which shield the signal.
- Point the antenna vertically or at an angle upwards and backwards so that it is not blocked by the body of the quad in flight.
- The cable must not be under tension or pinched between frame parts. Do not shorten the cable or modify the antenna in any way – this would change its electrical length and tuning.

2.4 Transmit power and regulations

The antenna itself does not transmit – the video transmitter it is connected to does. However, the antenna gain is included in the radiated power (e.i.r.p.). The operator is responsible for the choice of frequency and the power setting of the transmitter. Permitted frequency bands and maximum transmit powers differ from country to country; **the law of the country in which you operate the transmitter with the antenna is decisive.**

2.5 Care and troubleshooting

- After every impact, check the head, the tube and the cable. Replace the antenna if the cover is cracked, the tube is bent or the cable is cut.
- Protect the head from impacts and from direct propeller strikes.
- Clean the antenna with a dry or slightly damp cloth, without solvents.

Problem	Possible cause and solution
	The polarisation of the antenna on the quad does not match the goggle antennas – use an antenna with the same polarisation.
Short range, noisy video	The u.FL connector is not fully seated or has come loose – snap it in again squarely and secure it.
	The antenna head is shielded by the frame, battery or wiring – adjust its position according to Chapter 2.3.
	The antenna is mechanically damaged – replace it.

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 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.