Gemfan Airgate

Foldable race gate for FPV drones
User manual



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

www.rotorama.com

Contents

1. Product description

1.1 What it is for

1.2 Specifications and package contents

1.3 Parts

2. Use

2.1 Setting up the gate

2.2 Choosing the opening size

2.3 Anchoring

2.4 Packing and carrying

2.5 Building a track

3. Safety warnings

4. Care and storage

5. Information for the EU and Czech Market

5.1 Importer and responsible person in the EU

5.2 Disposal

6. Warranty and rights arising from defective performance

1. Product description

1.1 What it is for

The Gemfan Airgate is a foldable gate for FPV drone training and racing. Flying through the gate helps you practise precise control of your drone, and with several gates you can build a complete track in a few minutes – outdoors in a field or indoors in a hall. The orange fabric is clearly visible from the cockpit.

The gate consists of two fabric arches tensioned by fibreglass poles. Depending on which arch you stand upright, you get an opening 150 cm or 120 cm high. Its main advantage is compactness: the folded gate fits into a small bag, so you can set up and pack up a track very quickly. The poles are durable and relatively gentle on the drone in a crash.



Gemfan Airgate set up on a flying field (photo: Gemfan)

1.2 Specifications and package contents

Product designation	Gemfan Airgate (AC-2M)
Manufacturer	Ningbo Gemfan Hobby Co., Ltd.
Dimensions (set up)	150 × 150 × 120 cm
Opening size	150 × 150 cm or 150 × 120 cm (W × H)
Package dimensions	12 × 12 × 53 cm
Weight	approx. 0.8 kg
Material	fabric, fibreglass poles
Colour	orange
Use	outdoors and indoors
Package contents	1× fabric gate 1× set of poles 1× set of pegs

Not included: FPV drone, radio transmitter, goggles or any other flying equipment. The manufacturer's photos show the gate in a foldable carry bag.

1.3 Parts



Parts of the gate

① large arch – 150 × 150 cm opening

② smaller arch – 150 × 120 cm opening; in this position it lies on the ground and acts as a support

③ bottom connector between the feet

④ foot – where the two arches join; anchored to the ground with a peg

2. Use

2.1 Setting up the gate

① Choose a flat, obstacle-free spot at a sufficient distance from people, animals, vehicles and power lines.

② Unpack the gate and check that the fabric, poles and pegs are undamaged.

③ If the poles are collapsed, join their segments and insert them into the sleeves of both arches so that the fabric is evenly tensioned.

④ Stand one arch upright and leave the other lying on the ground as a support (see the picture in Chapter 1.3).

⑤ Anchor the gate with the pegs (Chapter 2.3).

※ The manufacturer does not publish detailed assembly instructions. This procedure is based on the manufacturer's photos and the product description; handle the poles with care and do not use force.

2.2 Choosing the opening size

The gate has two sides of different size. If you stand the large arch upright, you get an opening of **150 × 150 cm**. If you flip the gate so that the smaller arch stands upright, you get an opening of **150 × 120 cm**, suitable for more demanding precision training.



Gate dimensions (manufacturer's data)

2.3 Anchoring

- Outdoors, always fix the gate to the ground with the supplied pegs through the feet. An unanchored gate can be blown over or carried away by the wind.
- Push the pegs in along their full length, angled slightly away from the gate.

- Indoors, where pegs cannot be used, weigh the feet down with a suitable weight (e.g. a sandbag). Do not use objects with sharp edges.
- Do not set up the gate in strong wind, or pack it away.

2.4 Packing and carrying

You can carry the gate in two ways: either **folded flat** with the poles in the fabric – when building a track, you then simply unfold it on site – or **taken apart** in a small bag (package dimensions 12 × 12 × 53 cm).

① Pull the pegs out of the ground and clean them.

② To store the gate in the bag, slide the poles out of the sleeves and collapse their segments.

③ Fold the fabric and put it into the bag together with the poles and pegs.



Gate folded flat (photo: Gemfan)

2.5 Building a track

- Space the gates so that there is enough room between them for safe flying and turning.
- Turn all gates so that the opening is clearly visible from the pilot's position.
- Several Airgates can be combined with flags and other obstacles.
- Always build the track away from places where uninvolved people move, and in accordance with the drone operation rules of the country in which you fly.

3. Safety warnings

- This product is not a toy. Keep it out of the reach of children; it contains small parts (pegs).
- The poles are under tension during assembly and may spring back unexpectedly. Hold the poles firmly when handling them and protect your eyes and face.
- A cracked or frayed fibreglass pole can leave small splinters in the skin. Do not use a damaged pole and handle it with gloves.
- The pegs and the bottom connector are a tripping hazard. Watch your step when walking around the track and collect all pegs when you finish flying.
- Do not set up the gate near power lines or roads, or where it could endanger people or property in the wind.
- Do not approach the gate during flight. Set up and adjust the gate only when the motors of all drones are switched off (Disarm).
- The gate is not designed to stop a drone; a collision may damage both the drone and the gate.

4. Care and storage

- After use, clean the gate of grass, mud and sand. The fabric can be wiped with a damp cloth.
- Let a wet gate dry thoroughly before storing it, otherwise mould and odour may develop.
- Regularly check the poles for cracks and the fabric for tears. Repair small tears before they grow.
- Store in a dry place away from direct sunlight, which can fade the fabric.

5. Information for the EU and Czech Market

5.1 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

Manufacturer: Ningbo Gemfan Hobby Co., Ltd., Room 1501, Building 655 Xueshi Road, Yinzhou District, Ningbo, China. Type designation: **Gemfan Airgate (AC-2M)**.

5.2 Disposal

- The product contains no electrical or electronic components and no batteries.
- At the end of its service life, take it to a municipal collection point or dispose of it in accordance with the waste rules applicable where the product is used.
- Do not burn the fibreglass poles.
- Sort the packaging materials by type into the appropriate recycling containers.

6. 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 5.1.
- 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.