Stack Insulation Board

iFlight – insulation board between stack components
Variants 20×20 mm and 30.5×30.5 mm



Read this manual before installation. Keep the manual for future reference.

www.rotorama.com

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1. Product description

1.1 Purpose

The stack insulation board is a thin transparent plate that is placed between the individual electronics boards in the stack (boards mounted on top of each other) of an FPV drone. It separates two adjacent boards – for example the flight controller (FC) and the board above it – and prevents solder joints, component leads or wires of one board from touching the other board and causing a short circuit.

It is useful, for example, when mounting a video transmitter (VTX) and a receiver above the flight controller. The board is sold in two sizes for the two most common stack formats: 20×20 mm and 30.5×30.5 mm.



Stack insulation boards with the iFlight logo (illustrative photo, several pieces)

1.2 Specifications and package contents

Manufacturer	iFlight
Product designation	Stack Insulation Board
Stack format (variants)	20×20 mm 30.5×30.5 mm
Mounting holes	4, in the corners of the board
Design	transparent board with iFlight logo
Package contents	1× stack insulation board (in the selected size)
Not included	screws, nuts, standoffs, rubber dampers (grommets), electronics

※ The size is selected when ordering. The 20×20 mm variant cannot be used in a 30.5×30.5 mm stack and vice versa.

2. Use

2.1 Installing in the stack

Disconnect the battery from the drone before any work on the electronics.

① Make sure the size of the board matches your stack (20×20 mm or 30.5×30.5 mm).

② Decide between which two boards you will place the insulation – typically between the flight controller (FC) and the board mounted above it (VTX, receiver).

③ Fit the lower board onto the mounting screws or standoffs of the stack in the usual way.

④ Slide the insulation board with its mounting holes onto the stack screws so that it covers the top side of the lower board.

⑤ Only then fit the upper board and tighten the stack. Tighten the screws with care so as not to crack the insulation board or damage the electronics.

⑥ Route wires and connectors around the edge of the insulation board so that they are not pinched between the boards.

If the mounting holes are too tight for the rubber dampers (grommets) of your stack, fit the board onto the screws above the dampers or carefully enlarge the holes. Do not break the board by bending it when making adjustments.

2.2 Check after installation

- Check that the solder joints and components of adjacent boards do not touch – not even over the edge of the insulation board.
- Make sure the insulation board does not cover connectors, buttons (e.g. Boot / Bind) or LEDs that you need to use.
- Before connecting the battery for the first time, we recommend using short-circuit protection (smoke stopper) or a bench power supply with current limiting.
- After a crash, check whether the insulation board is cracked or shifted; replace a damaged board.

The insulation board is mechanical protection against accidental contact between boards. It does not replace proper soldering, wire insulation or checking the stack before connecting the battery.

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

- The insulation board is not electrical equipment and contains no batteries.
- Dispose of an unneeded or damaged board in accordance with the local waste sorting rules in your municipality.
- Sort the product packaging according to the type of material.
- The waste management regulations of the country in which you use the product shall prevail.

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.