VORTEX
DUAL EDF ADD-ON
BUILD GUIDE

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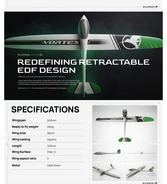
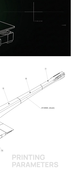
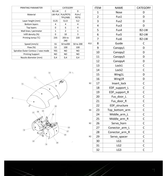


REDEFINING RETRACTABLE EDF DESIGN

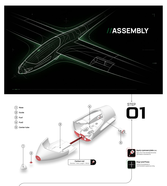
SPECIFICATIONS

Wingspan	1400mm
Ready to fly weight	2000g
Wing area	30dm²
Wing loading	65g/dm²
Length	1400mm
Wing profile	Wing-1
Wing mount rafter	2
Motor	2435 1450kv





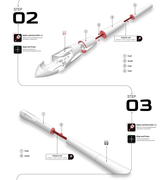
PRINTING PARAMETERS



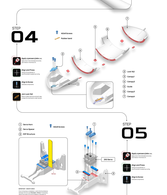
PRINTING PARAMETERS

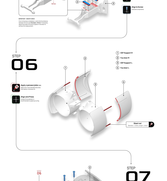
Material	Nozzle temperature		Heated bed temperature		Cooling
	1st layer	Other layers	1st layer	Other layers	
Default Value	215 °C	215 °C	60 °C	60 °C	100 %
Initial layer	215 °C	215 °C	60 °C	60 °C	100 %
Other layers	215 °C	215 °C	60 °C	60 °C	100 %
Initial layer print speed	30 mm/s	30 mm/s			
Initial layer travel speed	100 mm/s	100 mm/s			
Number of slow layers	3	3			
Slow down layer time	10 s	10 s			
Printing during Z lift	Z lift	Always			
Nozzle	Layer height	Line width	Wall thickness	Infill density	Infill pattern
Default Value	0.2 mm	0.4 mm	1.2 mm	15 %	Grid
Initial layer	0.2 mm	0.4 mm			
Other layers	0.2 mm	0.4 mm			
Build Plate Adhesion	Print Speed	Travel	Support		
Brim	30 mm/s	100 mm/s	Support		

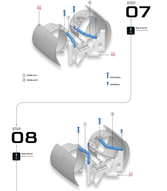
ITEM	NAME	CATEGORY
0	Base	0
1	Body	0
2	Fin	0
3	Fin2	0
4	Fin3	0
5	Fin4	0
6	Fin5	0
7	Fin6	0
8	Fin7	0
9	Fin8	0
10	Canopy	0
11	Canopy2	0
12	Canopy3	0
13	Canopy4	0
14	Canopy5	0
15	Canopy6	0
16	Canopy7	0
17	Canopy8	0
18	Wing_1	0
19	Wing_2	0
20	Wing_Bottom_1	0
21	Wing_Bottom_2	0
22	Elevon_Left	0
23	Elevon_Right	0
24	Top_Bottom_Left	0
25	Top_Bottom_Right	0
26	Servo_Left	0
27	Servo_Horn	0
28	Elevon_Left_1	0
29	Elevon_Left_2	0
30	Servo_Mount	0
31	Servo_Mount_1	0
32	Servo_Mount_2	0
33	Unit	0

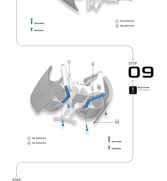


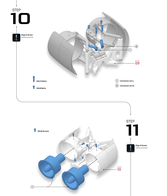
ASSEMBLY

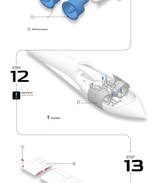


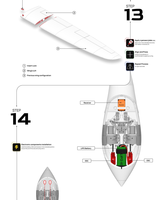


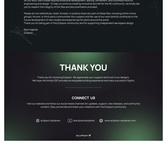












// SAFETY PRECAUTIONS AND WARNINGS

- Always fly in open and safe areas away from people, vehicles, and obstacles.
- Inspect all components, electronics, and mechanical functions pre-flight.
- Never operate the aircraft with damaged components or loose connections.
- Keep hands and body parts away from propellers and moving parts.
- Keep hands and body parts away from moving parts and servos during setup.
- Avoid flying near power lines, trees, or crowds.
- Do not fly in adverse weather conditions such as strong winds, rain, or poor visibility.
- Always maintain visual line of sight with the aircraft.
- Be aware of local laws and regulations regarding drone operation.

Failure to follow these safety precautions and warnings may result in serious injury or damage to the aircraft. Always prioritize safety and fly responsibly.

FAIR DATA USE

Version 1.0

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