



## **DESIGN AUTHORIZATION DATA SHEET Nº ERPAS-9897205**

Authorization Holder:

### **SPEEDBIRD VEICULOS AEREOS NÃO TRIPULADOS S/A**

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ERPAS-9897205-00  
Sheet 01

SPEEDBIRD  
DLV-2

17 April 2024

This data sheet, which is part of Design Authorization Process nº 00066.006340/2022-01, prescribes conditions and limitations under which the product, for which the Design Authorization was issued, meets the requirements of the Brazilian Civil Aviation Special Regulation RBAC-E nº 94, Amdt. 02, Subpart E.

### **I - Model DLV-2, authorized in April 2024.**

<b>RPAS</b>	This is a Remotely Piloted Aircraft System (RPAS) that is comprised of a Remote Piloted Aircraft (RPA), a Remote Pilot Station (RPS) software and other support equipment.	
<b>RPA</b>	Type:	Multirotor, Hexacopter.
	Span:	2321 mm (91.4 in) (between rotor tips).
	Height:	772 mm (30.4 in).
	Empty weight:	12.5 kgf (without batteries and cargo box).
	MTOW:	25 kgf.
	Maximum payload weight:	6,5 kgf (cargo box included).
	Maximum operational height:	120 m (400 ft) AGL.
	Maximum airspeed:	80 km/h (22.22 m/s).
	Operational airspeed:	60 km/h (16.67 m/s).
	Maximum range:	24 km.
<b>C2 LINK</b>	ANATEL Homologation Certificate (RPA): 06949-17-04809.	
<b>RPS</b>	Name/Model: Speedbird DLV-2 Remote Pilot Station. Type: compatible PC running the software Cloud Control Station, Wi-Fi connection to 5GHz Router. Part Number: Joystick Controller Logitech F310 - Speedbird PN 74000010.	
<b>SUPPORT EQUIPMENT</b>	Speedbird Aruco Marker Vinyl Board – PNs 38520001 (standard), 38520002 (mini).	
<b>FLIGHT LIMITATIONS</b>	<ol style="list-style-type: none"><li>1. Daylight Visual Meteorological Conditions (VMC), airspace approved by DECEA Flight Authorization.</li><li>2. Beyond visual line of sight (BVLOS) up to 24 km (one-way) or 12 km (roundtrip) from the take-off point. The maximum range must respect limitations as per Manual de Operação RPAS DLV-2 Speedbird Aero as a function of batteries, cargo box and payload.</li></ol>	

3. Wind resistance: up to 29 km/h (8 m/s).
4. VLOS / EVLOS / BVLOS Operation requires a lateral ground clearance of 30 m (180 ft) from the planned route to third parties and ground obstacles unless otherwise allowed by a valid waiver.
5. Planned drone pads must be at least 50 m (330 ft) away horizontally and 20 m vertically from possible sources of electromagnetic interference (Radio / TV antennas, power lines, etc.).
6. Operation with any inoperative (or missing) instruments or equipment is prohibited.
7. Simultaneous operation of multiple RPA by a single remote pilot from a single remote pilot station is prohibited.
8. In case of failure of one of the engines, with the aircraft stabilized in flight, the operation must be aborted, followed by an immediate procedure for a safe landing. There must be a procedure for recording and reporting the engine failures occurring in service.

**SERIAL NUMBERS  
APPROVED**

All serial numbers are eligible for BVLOS authorization.

**AUTHORIZATION  
BASIS**

Brazilian Civil Aviation Special Regulation RBAC-E No. 94 Amdt 02, Subpart E, dated November 30th, 2023.

**MANUAL**

SPD\_DLV-2 Manual de Operação RPAS - Rev10, issued on March 2024 or later.

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This DADS is available on the ANAC website:  
<https://www.gov.br/anac/pt-br/assuntos/drones/projetos-autorizados>