



DESIGN AUTHORIZATION DATA SHEET Nº ERPAS-9897205

Authorization Holder:

SPEEDBIRD VEICULOS AEREOS NÃO TRIPULADOS S/A

Rua Ângela Rosa Scarabucci, 1919

Jardim Ângela Rosa, Franca/SP

14403-610

Brazil

ERPAS-9897205-01

Sheet 01

SPEEDBIRD

DLV-2

DLV-2 A25

28 MAY 2025

This data sheet, which is part of Design Authorization Processes nº 00066.006340/2022-01 and 00066.005087/2024-22, 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, Subpart E.

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

RPAS	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.	
RPA	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.
C2 LINK	ANATEL Homologation Certificate (RPA): 06949-17-04809.	
RPS	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	
SUPPORT EQUIPMENT	Speedbird Aruco Marker Vinyl Board – PNs 38520001 (standard), 38520002 (mini)	
FLIGHT LIMITATIONS	<ol style="list-style-type: none">Daylight Visual Meteorological Conditions (VMC), airspace approved by DECEA Flight Authorization.Beyond visual line of sight (BVLOS) up to 24 km (one-way) or 12 km (roundtrip) from take-off point. Maximum range must respect limitations as per Manual de Operação RPAS DLV-2 Speedbird Aero as function of batteries, cargo box and payload.	

3. Wind resistance: up to 29 km/h (8 m/s).
4. VLOS, EVLOS, and BVLOS operations require a lateral ground clearance of at least 30 m (98.4 ft) from the planned route to third parties and ground obstacles, unless otherwise permitted by a valid waiver.
5. Planned drone pads must be at least 50 m (164 ft) away horizontally and 20 m (65.6 ft) 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 eligible for BVLOS authorization.

AUTHORIZATION BASIS

Brazilian Civil Aviation Special Regulation RBAC-E No. 94 Amdt 02, Subpart E, dated 30 November 2021.

MANUAL

SPD_DLX-2 Manual de Operação RPAS - Rev10, issued on March, 2024 or later.

II -Model DLV-2 A25, authorized in May 2025.**RPAS**

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.

RPA

Type:	Multirotor, Hexacopter XRotor X6 Plus (Hobbywing)
Span:	2200 mm (86.8 in)
Height:	650 mm (25.6 in)
Empty weight:	14 kgf (without batteries and cargo box)
MTOW:	25 kgf
Maximum payload weight:	5 kgf
Minimum operational height:	50 m (164 ft) AGL
Maximum operational height:	120 m (400 ft) AGL
Cruising Speed - VC:	60 km/h (16.67 m/s)

ENVIRONMENTAL LIMITS

Temperature Envelope:	-5°C to 50°C
Wind Limit:	35 km/h (9.8 m/s)
Gust Wind Limit:	53.7 km/h (14.9 m/s)
Precipitation Limit:	Up to 5.0 mm/hour
Storm & Thunderstorm:	No thunderstorms, lightning, or electrical activity
Visibility:	VMC conditions
Icing:	No ice formation
Operational Ceiling:	2000 m (6550 ft) AMSL

Range with battery setup:
32Ah (4x 6S 16Ah)

Round-trip

Wind speed:	up to 15 km/h	up to 26 km/h	up to 35 km/h
Load:	5 kg	5 kg	5 kg
Range:	5.5 km	4.5 km	4.0 km

Sheet 3 of 4

prohibited.

6. Simultaneous operation of multiple RPA by a single remote pilot from a single remote pilot station is prohibited.

7. 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 of DLV-2 A25 are eligible for this authorization.

**AUTHORIZATION
BASIS**

Brazilian Civil Aviation Special Regulation RBAC-E No. 94 Amdt 3, Subpart E, dated 31 March 2023.

MANUAL

RPAS Operations Manual – DLV-2 A25, Speedbird Aero, revision 10 or later.
Aircraft Maintenance Manual – DLV-2, all variants, Speedbird Aero, revision 4 or later.

Note: All manual revisions must be approved by ANAC prior to becoming effective.

**LIST OF
DOCUMENTS**

SPD_DLV-2 A25 Lista de Documentos e Controle de Revisão – rev.04 (11600116)

----- END -----

This DADS is available at ANAC website:

<https://www.gov.br/anac/pt-br/assuntos/drones/projetos-autorizados>