

UxV/35 Sturnus Quick Start

Quick Start – Thrust Test

- Case - Open the UXV35 Sturnus case and set the Sturnus Aircraft beside the Case.
- Case - Remove the Tablet, Hand Controller, LiPo Battery, Telemetry Radio.
- Case - Lift the Foam Insert to reveal the Test stand, remove test stand.
- Case - Mount the test stand to the lid of the Case, threading the 2 rods into the lid.
- Case - Fully latch the lid closed. Verify that the lid can not be opened through force.
- Hand Controller - Power on the Hand Controller (4 sec. press of central button, release)
- Hand Controller - Verify that the Flight Group: ARM switch is in the disarmed position.
- Sturnus - Insert the battery into hole of the Sturnus Lid.
- Sturnus - Secure the Sturnus to the Test Stand, secure all 4 Velcro straps tightly
- Sturnus – Connect the battery, Press the power button. Verify Power-up Beeps
- Sturnus- Tuck battery cabling within aircraft cavity. No cabling routed outside.
- Tablet - Power on the Tablet, Connect the telemetry radio to the USB of the tablet.
- Tablet - Open Mission planner from the Tablet Application Page
- Tablet – Connect to aircraft using newly visible com port (Top right of Mission Planner)
- Tablet – Observe that aircraft data/telemetry is streamed to tablet.
- Hand Controller – Move Left Analog Stick to its bottommost position
- Hand Controller – Switch to the FlightGroup:Stabilized Flight Mode
- Sturnus – Verify that the prop diameter is clear of any obstacles
- Hand Controller – Prepare for drone motors to spin, Pull Arm Switch towards operator.
- Hand Controller – Observe changes in thrust level (Left Analog Stick)
- Hand Controller – Observe changes in orientation (Right Analog Stick)

Additional Information – See Documentation

UxV/35 Sturnus Dropper Mission Test Procedure –

Highly Detailed procedure for manually executed payload drop mission

Manual Operation Manual –

Hand Controller Functionality and Usage

Mission Planning Guide –

Automated mission capabilities provided by Sturnus and Included Software

Autonomous Mission Execution -

Autonomous mission execution using the equipment included in UxV/35 Sturnus Case

Note: No Binding Button or Warder/Warden System Included

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