AURELIA
AEROSPACE

AURELIA
X6 STANDARD

Giving your ideas flight ®

| 30min / 45min (LE) flight time | Up to 5kg / 11lb payload | Up to 5km / 3mi flight range | US-Made Components |

A popular selection for professional use, the X6 Standard offers a capable platform for various applications. With a payload capacity of up to 5kg (11 lb), it can handle a range of equipment needs.

The standard batteries provide a flight time of 30 minutes, while the optional Long-Endurance (LE) batteries extend that time to 45 minutes.

The Aurelia X4 Standard is delivered ready to fly out of the box with minimal setup required. Just install your payload and take to the skies!

With more than 20 available flight modes, the Aurelia X6 Standard has a flight mode for any mission. The recently added Swarm mode allows you to fly multiple X6s together.

In QGC (the mission planning software) the operator can program flight paths using a Google Maps overlay, selecting GPS coordinates for the aircraft to fly to. The operator can also select actions such as taking a photo, dropping a payload, or surveying the area at each waypoint when an add-on is purchased such as a LiDAR, gimbal, or drop mechanism.

The Aurelia X6 Standard features extensive use of U.S-manufactured components throughout its systems, giving you the performance, reliability, versatility, and sophistication Aurelia Aerospace strives for.

Select the Cube Blue flight controller and a blue-accepted flight transmitter if you require all critical components to be US-manufactured.

The Aurelia X6 Standard is both NDAA848 and TAA compliant.

In less than 30 seconds, with a click of the button on each arm joint, the Aurelia X6 Standard can instantly fold down, allowing for quick disassembly and easy transportation.

To protect your Aurelia X6 Standard when traveling check out our custom-made Heavy Duty Travel Case with Apple AirTag, shown on page 7.

pixhawk

Every day at Aurelia Aerospace, our engineers work with clients around the world to be "giving your ideas flight". Part of what makes this possible is the open-source Ardupilot software that the Aurelia X6 Standard runs on.
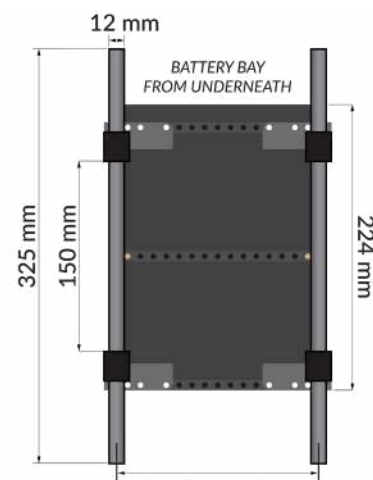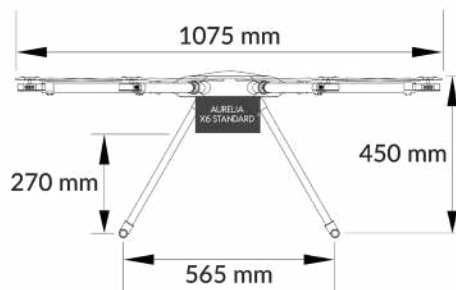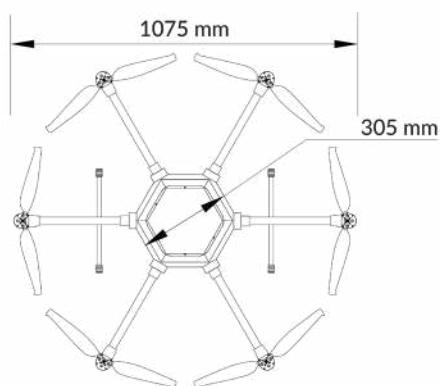
We can program the Aurelia X6 Standard to run either Ardupilot (Standard) or PX4 (optional) software. In addition to our support, extensive online documentation is available for Ardupilot and PX4 on various forums.

For Ground Station software the Aurelia X6 Standard is compatible with Mission Planner (free), QGroundControl (free), or UgCS (paid).

Ground Station Compatibility Software with Aurelia Aerospace drones

ARDUPILOT
PX4 autopilot
UgCS

SCAN TO SEE OUR DRONES IN ACTION

Need more payload space? Increase your leg height from 270mm to 430mm with the XL Leg extension. See page 7.

Empty Weight	4200g | 9.26 lb	**Battery Type**	Lithium-Polymer (LiPo) Lithium-Ion (LE)
UAV MTOW	11724g | 25.85 lb (LiPo) 12200g | 26.90 lb (LE)	**Battery Capacity**	2x 10,000 mAh (LiPo) 2x 16,000 mAh (LE)
Max Speed	56 km/h | 35 mph	**Battery Voltage**	22.2V
Max Wind Resistance	32 km/h | 20 mph	**GPS**	uBlox M9N
Max Service Ceiling	3000m ASL	**GPS Constellations**	GPS, GLONASS, Galileo, BeiDou
Compass	RM3100	**Rangefinder Accuracy**	+/- 6.0cm | 2.36 in
Redundancy	2 Accelerometers, 2 Gyroscopes, 1 Mag	**Rangefinder Range**	0 - 12m | 0 - 39 ft

1. CHOOSE YOUR BUNDLE

STARTER

- 1x Aurelia X6 Standard UAV
      Configured & Ready To Fly
- 2x Aurelia 10,000 mAh 6S 22.2V
      LiPo Batteries
      (or 2x 16,000 mAh LE Upgrade)
- 2x Firesafe Battery Storage Bags
- 1x SkyRC T200 Battery Balance Charger
- 1x Radiomaster TX16S Controller
      (or Flight Transmitter Upgrade)
- 1x Radiomaster TX16S Case
      (Radiomaster Option)
- 2x 18650 Li-Ion Controller Batteries
      (Radiomaster Option)

- 1x Drone Canopy
- 1x Aurelia Aerospace Safety Vest
- 1x Aurelia Aerospace Lanyard
- 2x Aurelia Aerospace Stickers
- 1x Cleaning Cloth + Airframe Cleaner
- 1x Mini Toolkit
- 6x Propeller Arm Holders
- 1x Ground Telemetry Radio
      (915 MHz / 433 MHz (EU))
- 1x 8GB Micro SD Card

MOST POPULAR

EXPLORER

All of the items from the Starter Bundle plus the following items:

- 1x Travel Case with AirTag
- 1x Additional Battery Set (2 pcs)
      (2x 10,000 mAh or 16,000 mAh LE)
- 2x Firesafe Battery Storage Bags
- 1x Spare Propeller Set (6 pcs)
- 3x Propeller Protection Bags
- 1x Aurelia Drone Landing Pad

ULTIMATE

All of the items from the Starter Bundle plus the following items:

- 1x Travel Case with AirTag
- 2x Additional Battery Sets (4 pcs)
      (4x 10,000 mAh or 16,000 mAh LE)
- 4x Firesafe Battery Storage Bags
- 1x Battery Fast Charger
- 2x Spare Propeller Sets (12 pcs)
- 6x Propeller Protection Bags
- 1x Aurelia Drone Landing Pad

Designed for Reliability, Sophistication, Performance, and Versatility

2. CHOOSE YOUR TRANSMITTER

Radiomaster TX16S	HereLink Black	Skydroid H16	Jeti Duplex DS-12 Blue	UXV Navigator Tab 3
(Included)	*(Upgrade)*	*(Upgrade)*	*(Blue Accepted Upgrade)*	*(Blue Accepted Upgrade)*

The included Radiomaster TX16S transmitter is perfect for learning to fly manually. However, for creating and executing automated flights with GPS waypoints, you'll need either a laptop computer to be used with the Radiomaster or a different transmitter altogether.

- 16 channels
- 4.3" Color Display to view live telemetry data from the aircraft
- Compatible with OpenTX
- High-Quality Hall Sensor Gimbals
- Ability to swap radio modules allowing you to use longer-range radios such as the RFD900 TX Mod

Unleash the full potential of your drone with the HereLink Black Ground Station. This popular flight transmitter transforms your drone operations from basic flying to strategic missions with an all-in-one solution. The HereLink Black empowers you in the following key features:

- 3 Functions in 1 unit - view live HD video feed at all times, manually fly the aircraft, and program auto missions using a Google Maps overlay
- See the live aircraft location on a Google Maps interface
- 2 mini HDMI video ports allow you to have two cameras connected and switch between the video feeds
- 6 customizable buttons for functions
- Flight range up to 5 km (3.1 mi). *(Please consider that with any Aurelia Aircraft, the max. flight range is 5km (3.1 mi) each way due to the battery capacity of the drone)*
- AES-128 Encryption
- This upgrade replaces the TX16S transmitter with the HereLink Black + HD Camera

Go beyond basic flight with the Skydroid H16 Ground Station. Looking for a ground station that offers more than just the essentials? The Skydroid H16 steps up as a pilot-friendly alternative to complex systems. Here's why the H16 might be the perfect fit for you:

- 7-inch HD highlight display, which is a large and one of the brightest screens of any transmitter option
- RJ45 Ethernet port available
- Independent joystick and additional switches for better gimbal and payload control
- 3 Functions in 1 unit. View live video feed, manually fly or program auto missions
- Touchscreen for ease of use
- QGroundControl & Mission Planner installed
- Flight range up to 5 km (3.1 mi) *(Please consider that with any Aurelia Aircraft, the max. flight range is 5km (3.1 mi) each way due to the battery capacity of the drone)*
- AES-128 Encryption
- This upgrade replaces the TX16S transmitter with the Skydroid H16 + HD Camera

Take full control with the Jeti Duplex DS-12 Transmitter. The Jeti Duplex DS-12 is a pilot favorite for a reason. This versatile transmitter offers a blue-accepted, economical and above all, a powerful combination of features that elevate your drone operation:

- NDAA Compliant transmitter
- Advanced user interface
- Dual-band Connectivity (2.4GHz/900MHz)
- Real-time Telemetry
- Flight range up to 5 km (3.1 mi). *(Please consider that with any Aurelia Aircraft, the max. flight range is 5km (3.1 mi) each way due to the battery capacity of the drone)*
- Sunlight-readable color LCD with its wide viewing angle offers nearly perfect visibility
- Blue-approved compatibility for governments/institutions
- AES-128 Encryption
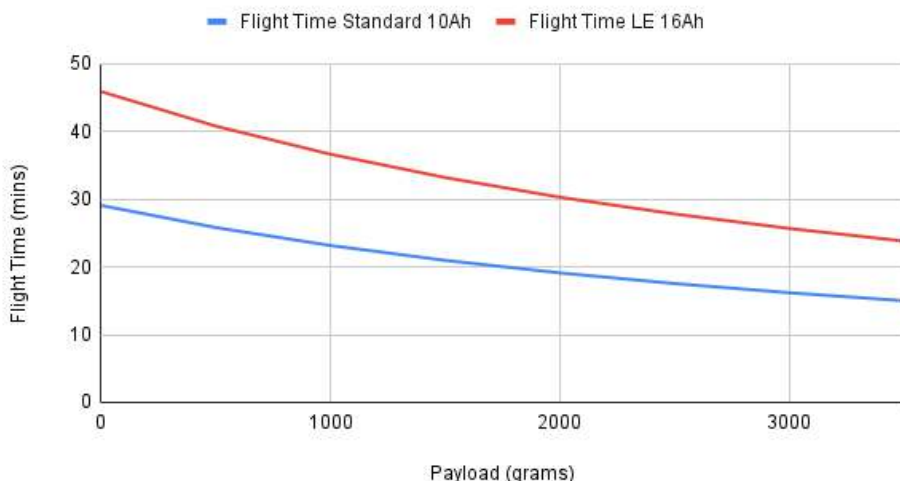- This upgrade replaces the Radiomaster TX16S transmitter with the Jeti DS-12 Blue

Upgrade your drone bundle with the UXV Navigator Tab 3. This transmitter offers a comprehensive ground control solution for your drone. It provides features for both manual and automated flight operations. The transmitter has the following key features:

- NDAA Compliant transmitter
- NDAA 848 / TAA Compliant
- 8-inch bright HD Display to operate in bright light conditions
- USB-C and Wi-Fi connectivity
- 3-in-1 unit. View live HD video feed, manually fly the aircraft, and program auto missions on a Google Maps interface
- Flight range up to 5 km (3.1 mi). *(Please consider that with any Aurelia Aircraft, the max. flight range is 5km (3.1 mi) each way due to the battery capacity of the drone)*
- AES-256 Encryption
- A camera can be purchased separately if required
- This upgrade replaces the TX16S transmitter

3. CHOOSE YOUR BATTERIES

Flight Time vs. Payload X6 Standard

Keep in mind that the heavier your payload on the aircraft, the more the flight time will be reduced.

The X6 Standard Long-Endurance (LE) battery upgrade uses the latest battery technology to increase the flight time of the Aurelia X6 Standard from 30 to 45 minutes.

4. CHOOSE YOUR FLIGHT CONTROLLER

Cube Orange
with ADS-B
(Included)

A Popular Choice for Reliable Flight Control. The Cube Orange is a widely recognized flight controller, known for its dependable performance, and often comes standard with many drones. An additional perk is the optional carrier board equipped with a 1090 ADS-B uAvionix module. This module provides valuable situational awareness by displaying nearby aircraft within a 12-mile (20km) range.

Cube Blue
with ADS-B
(Upgrade)

While functionally identical to the Cube Orange, the Cube Blue is manufactured in the United States, specifically targeting operators who require a US-made flight controller option. This includes government and military applications.

5. ADD DRONE SERVICES

Aurelia Assist Lifetime Membership

- Includes flight simulator software to practice flying on a computer *(Only works on Windows through the Steam platform)*
- Manage flight logs & maintenance logs for regulatory compliance
- Manage pre-flight and post-flight checklists
- Order spare parts & accessories
- Interactive map with no-fly zones and other restricted airspace
- View a live detailed weather report
- View a digital copy of the user manual at all times

2-Year Extended Warranty

Upgrade to a 2-Year Warranty for Extra Peace of Mind. The standard warranty covers your drone for 6 months. By adding the 2-Year Extended Warranty, you'll receive comprehensive coverage for a total of 2 years from the date of purchase. This extended warranty safeguards you against malfunctions due to faulty parts or manufacturing defects for the entire 2-year period, with unlimited operating hours.

6. CHOOSE YOUR PAYLOAD

Payload Release
Mechanism

Choose Your Gimbal
Gremsy Mio / T3 / T7

Horizontal Liquid
Spraying Kit

Water
Sampling System

Various Companion
Computer Options

MicaSense
RedX-Edge-MX

Pick Your
Camera

Seed Spreading
Application

We have a much wider range of accessories and options that might not be listed in this brochure. In case you have any other requirements for your drone setup or project, please reach out to us.

Travel Case + AirTag	Travel Case Wheels + Handle Only	Drone Canopy	Propeller Set (6 pcs)
X6 Standard Extra Battery Set	X6 Standard LE Battery Set Upgrade	Battery Fast Charger	X6 Standard XL Leg Extension
Retracting Landing Gear	RFD900X Telemetry Upgrade	2-Year Extended Warranty	X6 Standard Servicing Kit 101
Obstacle Avoidance LIDAR	Reach M+ PPK Mapping Kit	RTK Kit	PX4 Setup
Aurelia Aerospace Safety Vest	Aurelia Aerospace Transmitter Lanyard	LED Strobe Light	Drone Landing Pad

OUR DRONES

Looking for a drone that adapts to your needs? Aurelia Aerospace offers versatile platforms in various sizes, all designed for a wide range of applications.

Explore them now!