

ARES

shadow

240

INSTRUCTION MANUAL



For the most up to date Owner's Manual & Technical Information Guide, please visit www.Ares-RC.com or scan the QR code with your smart phone.



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Product specifications are subject to change without notice. Due to ongoing development, the actual product may vary from images shown.

This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

This product is not a toy! (14+) Recommended for ages 14 and up. Adult supervision required for ages under 18 years old. Contains small parts, keep out of reach of children 3 years of age and younger.

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MADE IN CHINA

Main Features

- Full size 2.4GHz 4-channel transmitter
- Dual rates and digital trims
- 360° Flip button
- 780mAh 3.7V LiPo battery
- AC wall charger
- Bright LED lights for easy orientation
- Spare set of props included
- Supports WiFi FPV camera (sold separately)
- Supports some QX130 accessories (sold separately)

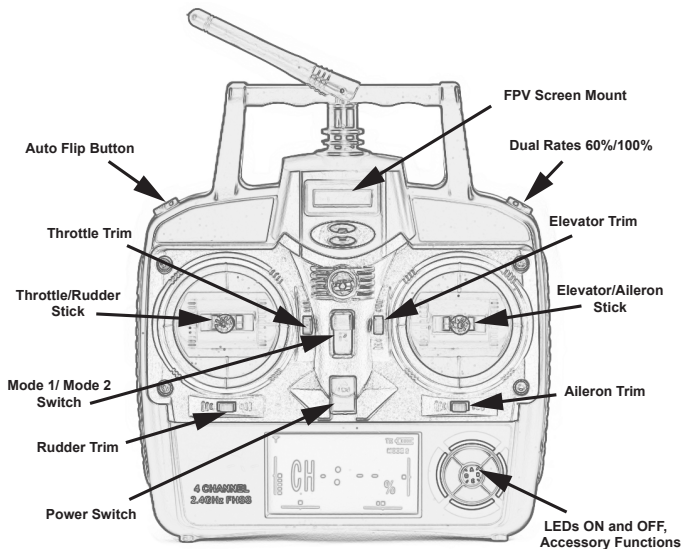
Specifications

- Rotor diameter: 140mm (5-1/2")
- Height: 65mm (2-1/2")
- Weight: 110g (3.9 oz.)
- Motors: 8520 Coreless (4)
- Battery: 1S 3.7V 780mAh 20C Lithium Polymer
- Charger: 110-220V AC wall-charger
- Transmitter: 4-channel 2.4GHz
- On-Board Electronics: 5-in-1 control board

Install Transmitter Batteries

- Open the battery compartment door on the rear of the transmitter
- Install 4 fresh AA batteries
- Make sure to maintain the correct polarity as indicated in the battery box
- Turn the transmitter ON to check that installation is correct

Mode 2 Transmitter Functions



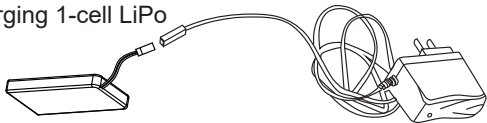
Safety Precautions

1. Please read and follow the instructions carefully.
2. Fly the quadcopter in an open area and within your line of sight.
3. Never fly the quadcopter in crowded areas near people or animals in order to prevent personal injury or property damage.
4. Do not attempt to modify the quadcopter.
5. Keep away from small children as small parts can create a choking hazard.
6. Maintain a safe distance from the quadcopter when flying to avoid injury.
7. Do not dispose of batteries in a fire.
8. Do not dispose of batteries in the trash. Only recycle in an environmentally safe and approved fashion.
9. Never subject the quadcopter to wet conditions, this can lead to malfunctions and parts failure not covered under warranty.

Charging the LiPo Battery

1. Plug the AC charger into the mains power.
2. The green LED will light indicating power is being supplied.
3. Plug the JST connector into the charger. Be careful to maintain the correct plug orientation. The LED will change to red indicating that charging is taking place.
4. The LED will return to green when charge is complete.

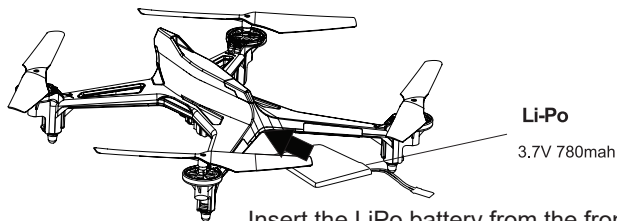
NOTE: The supplied charger is suitable for charging 1-cell LiPo batteries ONLY.



CAUTION: Never leave LiPo batteries unattended during the charge process.

Preparing to Fly & Pairing

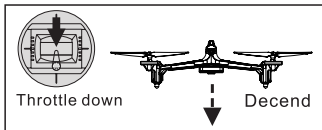
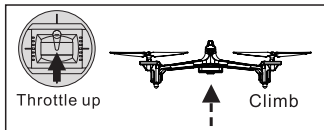
1. The Shadow 240 is designed for indoor and outdoor flight.
2. Recommended minimum flying area is 12' x 12' x 9'.
3. Make sure the LiPo battery is fully charged.
4. With the transmitter OFF and the throttle stick in its lowest position, place the transmitter near the quadcopter.
5. Insert the charged LiPo battery into the battery box and plug in.
6. Place the quadcopter on a flat surface and Do Not Move the quadcopter after this point. LEDs on the Shadow 240 will blink.
7. Switch ON the transmitter. The pairing process begins.
8. When the LEDs on the quadcopter remains solid the quadcopter is paired and ready to fly.
9. Advance the throttle slowly to rise off the ground.



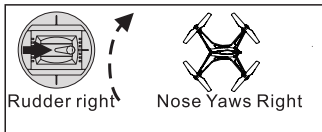
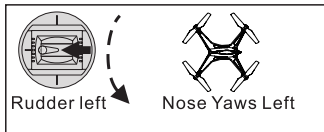
10. When the flight battery power gets low, the LEDs on the quad will begin to blink indicating that it's getting close to time to land and recharge.
11. If the quadcopter is not responding quickly enough to stick movements, switch to high rates by pressing the rate button. It is located in the top right on the transmitter.
12. After becoming familiar with the flight controls of the quadcopter and gaining confidence you will be ready to move on to flips and faster forward flight.

Flight Controls

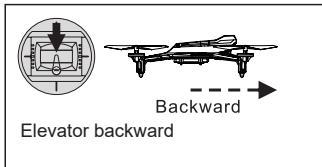
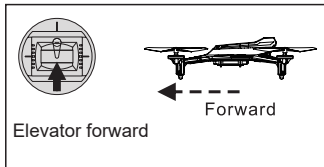
Throttle



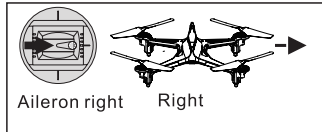
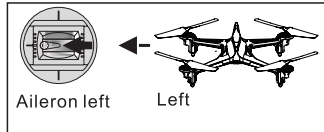
Rudder



Elevator



Aileron

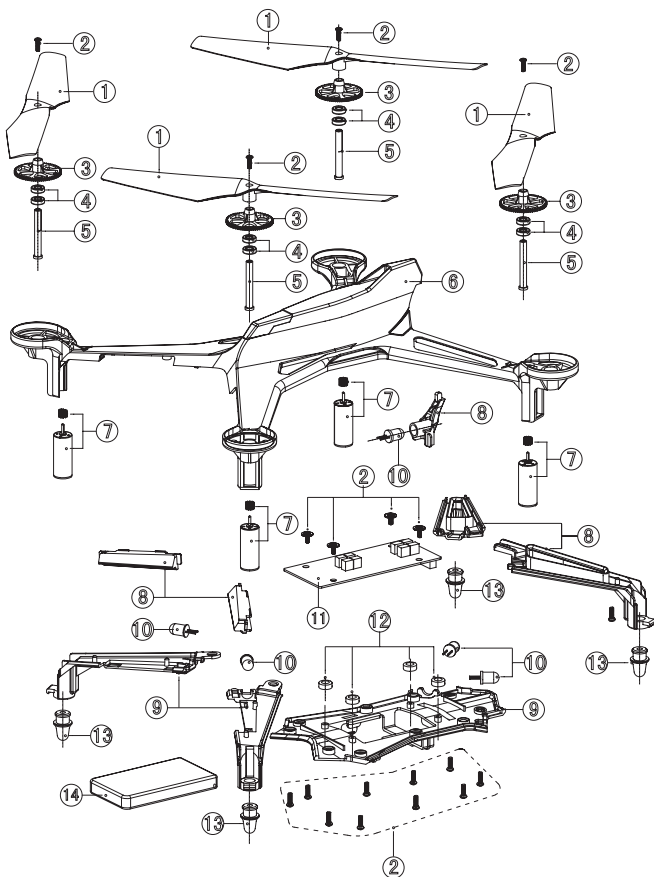


Flips and Rolls

From a stable hover, press the flip button on the left shoulder of the transmitter. You will hear a series of beeps, the flip function is active. Move the aileron/elevator stick in the direction that you want the Shadow 240 to flip.

There is a programmed momentary power increase at the beginning of the flip maneuver. Do not begin a flip if the quad is closer than 18" from the ceiling.

Exploded View



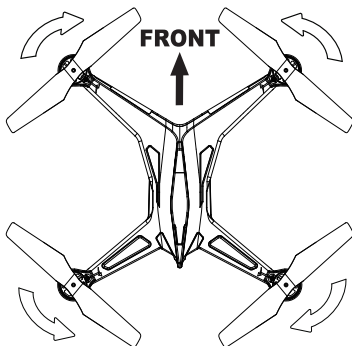
NOTE: Exploded view provided for general layout only

Accessory Plugs



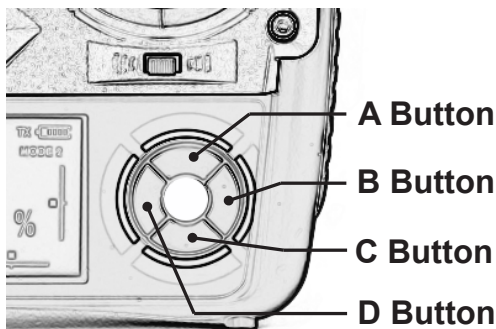
1. Video and Still camera plugs in here.
2. This plug is not used.
3. WiFi camera plugs in here.
4. Winch, Water Blaster and Bubble Blower plug in here.

Propeller Rotation



To remove/replace a propeller, unscrew the single screw on the top of the propeller and pull propeller up. Install new propeller on shaft and replace the screw.

Accessory Buttons



Video and Still Camera Accessory

A button: Starts and stops the video camera.

C button: Takes a still photo with each push

Water Blaster Accessory

C button: Press repeatedly for water blast

Bubble Blower Accessory

C button: Press repeatedly to create bubbles

Winch Accessory

Not compatible with this quad

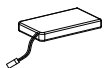
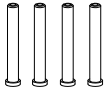
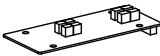
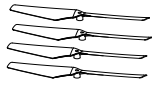
Rocket Launcher

Not compatible with this quad

LED Control

B button turns LEDs on quad On/Off

Spare Parts

 Motor Clockwise Rotation AZSQ1813	 Motor Counter Clockwise Rotation AZSQ1814	 780mAh 1-Cell 3.7V 20C LiPo AZSQ1805	 Light Covers AZSQ1822OR AZSQ1822GR
 Bearing Set (8) AZSQ1816	 Prop Shaft (4) AZSQ1815	 Body (Airframe) AZSQ1820OR AZSQ1820GR	 Bottom Covers AZSQ1821
 Main Gear Set (4) AZSQ1817	 5-in-1 Control Unit AZSQ1806	 Prop Set (4) AZSQ1818	 Ext. Landing Pads AZSQ1810
 Shock Mount Set (8) AZSQ1824	 LED Light Set AZSQ1825OR AZSQ1825GR	 Landing Pads (4) AZSQ1809	 Screw Set (16) AZSQ1819

Parts and Accessories List

AZSQ1800	Shadow 240 RTF Quadcopter
AZSQ1808	4-Ch 2.4GHz Transmitter
AZSQ1805	780mAh 1-Cell/1S 3.7V 20C LiPo Battery
AZSQ1806	5-in-1 Control Unit
AZSQ1809	Landing Pads (4)
AZSQ1810	Extended Landing Pads (4)
AZSQ1813	Motor, Clockwise Rotation
AZSQ1814	Motor, Counter-Clockwise Rotation
AZSQ1815	Propeller/Rotor Blade Shaft (4)
AZSQ1816	Bearing Set; 6x3x2mm (8)
AZSQ1817	Main Gear (4)
AZSQ1818	Propeller/Rotor Blade Set (2 White, 2 Black)
AZSQ1819	Screw Set (16)
AZSQ1820OR	Body (Airframe); Orange Print
AZSQ1820GR	Body (Airframe); Green Print
AZSQ1821	Bottom Covers (3)
AZSQ1822OR	Light Covers, Orange (3) & White (2pcs)
AZSQ1822GR	Light Covers, Green (3) & White (2pcs)
AZSQ1824	Shock Mount Set (8)
AZSQ1825OR	LED Light Set: White(2) & Orange (3)
AZSQ1825GR	LED Light Set: White(2) & Green (3)
AZSH1254	1S 3.7V LiPo, 0.5A, AC Charger

Accessories

AZSQ1826	WiFi FPV Camera and Smartphone Holder
AZSH1322	Camera w/2G Micro Memory Card & USB Card Reader
AZSH1324	Water Blaster Unit
AZSH1325	Bubble Machine Unit
AZSH1326	Winch Unit

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