

► **Specification:** Item: DY8970

Wingspan:.....	1600mm (63in)
Length:.....	1660mm (65.3in)
Wing Area:.....	48.7dm ²
Wing Loading:.....	63.6g/dm ²
Esc:.....	80A
Motor:.....	G601 5030 KV400
Servos:.....	standard*3PCS 25G*2PCS
Battery:.....	22.2V4500Mah 30C
Weight:.....	2400-2500g
Radio:.....	6ch
Propeller:.....	AP16*12-APC17*12

Warning

This RC aircraft is not a toy!
If misused, it can cause serious bodily harm and damage to property.
Fly only in open areas, preferably in official flying sites, following all instructions included with your radio and motor.
This plane is a compromise between Aerobatics and 3D flying, and not a pylon racer. It is built with a very light structure and for this reason we hardly recommend:

→ **Do NOT fly your airplane at high speeds, because this may cause structural failures or flutter due to the extremely large control surfaces.**

WARNINGS

- The product is not intended for those under 14 years of age without proper adult supervision. The product is not a toy. It is a precision machine requiring proper assembly and setup to avoid accidents and it is the responsibility of the owner to operate this product in a safe manner as it can cause serious personal injury and damage to property due to carelessness or misuse.
 - The spinning rotors on this product can be dangerous! When operating/flying, always be aware of the spinning rotors. Be careful not to let them come close to your body, other people or loose clothing. Keep your hands, fingers and any articles of clothing away from the rotors.
 - Do not attempt to disassemble or modify any of the product components without the assistance of an experienced RC user.
 - Only use the correct type of battery to operate. Using any wrong type of battery will damage the product and possibly make it dangerous to operate.
 - The motor(s) may get hot during use. Always allow 10-15 minutes between each flight for the motor to cool down. This will prolong the life of your product.
 - Choose an appropriate operating site consisting of flat, smooth ground, and clear open field. Do not operate near buildings, high voltage cable lines, or trees to ensure safety operation. Operate in safe area only, away from other people. RC models are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurring during the operation.
 - Do not operate in inclement weather, such as rain, wind, snow and darkness.
 - The product is composed of precision electrical components. It is critical to keep the product away from moisture and other contaminants. Do not allow them to get wet. Electrical damage may occur that could affect safe operation.
- Dynam RC guarantees this product to be free of manufacturing faults and material defects. This product has been checked and fine tuned individually by professional pilot and quality control pilot. The warranty does not cover any component parts damaged by use and modification. Please visit <http://www.dynam-rc.cn> for updated product information.
- This product is not a toy. It is not recommended for children under 14 years old and any minor should be accompanied by an adult when operating. This product is a precision machine that requires proper assembly and setup to avoid accidents. Failure to take caution when operating this product may result in serious injury or property damage. It is the owner's responsibility to operate this product in a safe manner. Manufacturer and its distributors are not responsible in any way for any and all bodily injury(s) and/or property damage that may occur from the use of or caused by in any way of this product.
- This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Please recycle.

Charge the Li-Po battery pack

Disconnect the battery from the charger when the charging process completed.
Do not charge the battery unattended at all time.

Lithium Polymer (LiPo) Battery Warnings

- Never charge a lithium polymer battery with a charger designed for NiCd, NiMH, or any other type of battery chemistry. Use ONLY charger designed for LiPo battery.
- Do not leave LiPo battery unattended during charging.
- Do not overcharge the battery.
- Always put the LiPo battery inside a charging protection container while charging.
- Do not allow LiPo cells to overheat at any time. Cells which reach greater than 140 Fahrenheit (60°C) will usually become damaged and will catch fire.
- Do not allow LiPo cells on or near combustible materials including paper, plastic, carpets, vinyl, leather, and wood, inside an RC model or full size automobile.
- Do not over discharge LiPo; doing so will damage the battery.
- Do not expose LiPo cell to water or moisture at any time.
- Do not store battery near open flame or heater.
- Do not assemble LiPo cells or pre-assembled packs together with other LiPo cells or packs.
- Always store LiPo battery in a secure location away from children.
- Always remove the LiPo battery if model is involved in any kind of crash. Carefully inspect the battery and connectors for even the smallest damage. CAUTION: cells may be hot!
- Do not allow the electrolyte to get into eyes or on skin. Wash affected areas immediately if they come into contact with electrolyte. Do not alter or modify connectors or wires of a LiPo battery pack.
- Always inspect the condition of the battery before charging and operating.
- Do not short circuit the LiPo battery.
- Do not have contact with a leaky/damaged battery directly.
- Do not charge battery out of recommended temperature rang (0°C-45°C)

- Use CA with accelerator to glue in the aileron hinges (be careful not to bind the hinges up with excessive glue).
- Aileron hardware kit.
- Cut the slot positions for hinges.
- Use CA to glue the servo horn in place.
- Install the elevator servo in place.
- Install the servo push rod/links.
- Use CA with accelerator to glue in the elevator hinges (be careful not to bind the hinges up with excessive glue).
- Cut out the slot for the servo horn position.
- Use CA to glue the servo horn in place.
- Rudder hardware kit.
- Install the elevator servo in place.
- Install the pushrod/links.
- Use pliers to bend the tail wheel Rod 90 degrees.
- Use CA to glue in the rod into the rudder.
- Use CA to glue in the 2 Servo horns to the rudder.
- Use CA glue to hinge the rudder to the fuselage. (be careful not to bind the hinges up with excessive glue).
- Use the provided screws to secure the tail wheel guide to the bottom of the fuselage.
- Tighten the collet to secure the tail wheel up/down position in place.
- Tighten collet to secure the wheel in position.
- Cut out the bottom air cooling outlet
- Install the Rod into the elevator
- Use a 1.6mm drill to drill the marked position on the elevator.
- Use the provided screw to secure the Rod from the above drilled hole.
- Use CA to glue in the left and right section of the elevator to the fuselage, first make sure the servo connection are correctly installed.
- Install the Rudder servo in position.
- Install rudder push/pull ball link to the wire.
- Attach the ball link to the rudder servo horns making sure the wires are tight and not slack.
- Landing gear hardware.
- Install the wheel bolt/axel to the frame.
- Tighten the collet to secure the wheel in position.
- Position the wheel pants and drill a 1.6mm hole.
- Secure the wheel pant with screws provided.
- Secure the landing gears to the fuse by screws provided.
- Glue the landing gear covering to the metal frame.
- Motor/Esc hardware.
- Install the motor mount to the fuselage.
- Install the motor to the motor mount.
- Secure ESC in place with zip ties.
- Align and secure the cowl to the fuse with screws.
- Install the backing for the spinner, making sure there is a 2mm clearance gap.
- Install the propeller.
- Install the spinner.
- Install the left and right wing in place and secure to fuselage by screws.
- Secure the canopy by thumb screws.