

DYS-3A Manual Instruction

1.Specification

- *Continuous current: 3A
- *Peppersistent current: 5A
- *Compliant with Lithium Battery :1
- *compliant with Ni-Mh battery:Not
- *Dimensions(L*W*H):13*11*4mm

Functions & Features

- *Achieve positive rotation and rollback through regulating motor wires.
- *Advanced heuristic algorithm applied to meet the requirements for motors with different number of magnetic poles.
- *Secure galvanization Function: Once electrified, the motor won't be started immediately no matter where the throttle rocker on remote controller is put.
- *Lost remote controlled signal protection: When the signal transmitted between emitter and receiver is bad or instable, the aero model may be out of control. The protection program will be started after 4 seconds, and make the motor slow down. If signal recovered in the 4 seconds, it will work in previous condition.
- *Cooling down can be achieved by limiting the power when it's reaching 105 °C.If cooling down failed, the power supply will be cut off gradually. Now, you have to wait the temperature dropping back to normal and galvanize again to have the normal service.
- *Battery protection: Power supply will be cut off gradually when the electric quantity on singular battery is found less than 3.1V, When power quantity is recovered, turn off the throttle and resume it to have normal service again.
- *Overload protection: Power supply will be immediately cut off when an instant high-current appears at starting. You can galvanize again to resume the normal service.
- *Halted run protection: If propeller is locked, the max power output is limited at 39%.

Instruction-Throttle settings

Follow the next guide to deploy the max and min settings of throttle, when you first use or change emitter/ receiver.

The following steps tell you how to make the max and min throttle settings

- *Put the throttle on the highest position, galvanization, keeping it for10 seconds, a long beep comes to record the max throttle settings.
- *Put the throttle on the lowest position, keeping it for 3 seconds, a long beep comes to record the min throttle settings.
- *Seriarte beeps come to indicate normal operations are available.

Error messages

- *One beep warning per second after galvanization indicates the controlled signal is lost or the rocker is NOT in the middle point. If the beep warning comes once every 2 seconds, it means the voltage exceeds rated value.
- *A sudden low output power limit in the run indicates the over-heat protection or battery protection is on.
- *A sudden cease of the output power in the run indicates the signal is lost or the temperature of ESC is over heated or battery protection is on.