Operational Description

SKYSPORT is a proportional radio unit, Transmitter controls the run of motor and the swing of the servo on the Receiver PCB to drive additional set by outputting control commands.

Transmitter & Receiver:

1. Place the battery DC12V (8X1.5V, 5#) in the battery box of Transmitter.
2. Connect Receiver with 7.2V-12V rechargeable battery.
3. Connect the Receiver with the two servo and motor per requirement.
4. Use the matched crystals with same frequency (27.XXXMHz) for Transmitter and Receiver.
5. The LED is on while the power switch on Transmitter is ON, and LED is off and Transmitter doesn't work while the power switch is OFF.
6. Motor startup and operation: The motor on Receiver operate correctly from stopping to running at full speed by the control commands which is output from Transmitter controller. The max output current of motor on Receiver need to be more than10A. The max output power of motor can not exceed 80% when operating correctly, it may reach 100% for 5 seconds when pressing the trigger switch SW2 on TX. (Note: The motor controller on TX must be operated from min to max so that the motor on Receiver will startup and run correctly.)
7. Transmitter control servo hierarchically: Transmitter control the run and rotating angle of CH1 and Ch2 servo on Receiver hierarchically with controller. While the controller on Transmitter is center, levers of the two servos are also at the middle position. While the controller on Transmitter is not center, the levers of the two servos can be tuned to the center position by adjusting the trim beside the controller. Also the rotating angle of the two servos can be tuned by the switch on Transmitter. While the switch SW3 is ON, two servos rotate at full angle; and while SW3 is OFF, the servos rotate half angle.
8. Max radio range: more than 200m（ in open air and with TX antenna full-extended. RX antenna is 3m from ground vertically.）.