Storm Drone 4 v3

with CC3D Flight Controller

USER MANUAL

V1.0

DISCLAIMER

Please read this disclaimer carefully before using this product. This product is a hobby with motors but not a toy which is not suitable for people under the age of 18. By using this product, you hereby agree to this disclaimer and signify that you have read them fully. You agreed that you are responsible for your own conduct and content while using this product, and for any consequences thereof.

Before you fly the drone

1) Make sure all connections are good, and keep children and animals away during flying, firmware update, system calibration and parameter setup.

2) Always fly the drone away from unsafe conditions, such as obstacles, crowds, high-voltage lines, etc.

3) Do not use in bad weathers such as rainy day, snow, windy (more than moderate breeze), hail, lighting, tornadoes, hurricanes etc.

4) Check whether the propellers and the motors are installed correctly and firmly before flight. Make sure the rotation direction of each propeller is correct.

5) Check whether all parts of the drone are in good condition before flight. Do not fly with aging or broken parts.

6) Never overcharge LiPo batteries. Do not charge above 4.2V per cell. When the battery is fully charged, disconnect it from the charger. Never leave the battery charger unattended during charging.

7) Never discharge batteries to below 3.3V per cell

8) Remove batteries when not using the drone.

Package Includes

1. Fully Assembled Storm Drone 4 Flying Platform (CC3D)
2. RadioLink 2.4Ghz AT9 Radio System w/ R9D 9-Ch Receiver
3. 11.1V 2200mah 35C Li-Po Battery
4. 6pcs Clockwise Blade Propeller (4 of them are spare parts)
5. 6pcs Counter-Clockwise Blade Propeller (4 of them are spare parts)
6. SKYRC E3 Battery Charger
7. 2.0 mm Hex Wrench
8. 10mm Hex Nut Driver Driver (for motor cap)
9. Battery Anti-Slip Mat
10. Battery Strap X 2
11. Battery Voltage Display

Quick Start

2. Switch E : Up

1. Switch G : Up for "Slow" mode

Up
E
Down

Up
G
Down

AT9
RadioLink

3. Throttle Down
Mode 2 : Left Stick

4. Power On

DIGITAL RADIO CONTROL SYSTEM

5. Place the drone on flat surface

6. Insert battery, then connect it to the drone

7. Check Battery Level
4.2V per cell = Full
(Set alarm to 3.6V or above)

8. Unlock the system (Left stick : Lower Right)

9. Rotors are spinning, you can fly now

10. When the Battery Voltage Display starts
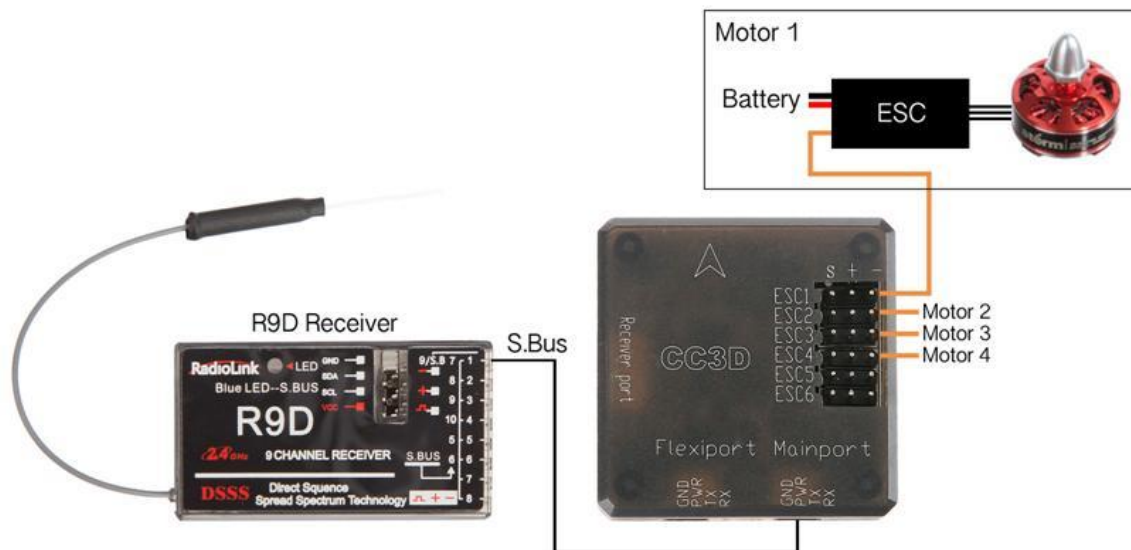to beep (Low battery), please land asap

Control

Switch G
Up is SLOW Mode
Middle is NORMAL Mode
Down is FAST Mode

Up
G
Down

UP
TURN LEFT   TURN RIGHT
DOWN
FORWARD
LEFT   RIGHT
BACKWARD

Power Switch

MODE 2 (LEFT THROTTLE)
Standard

Switch G
Up is SLOW Mode
Middle is NORMAL Mode
Down is FAST Mode

Up
G
Down

FORWARD
TURN LEFT   TURN RIGHT
BACKWARD
UP
LEFT   RIGHT
DOWN

Power Switch

MODE 1 (RIGHT THROTTLE)

Circuit Diagram

FAQ
Lost connection with radio controller

If you're the drone cannot response to the radio controller stick travel, the connection between radio controller and receiver may lost and you can try to re-bind them by following the procedure below:

Press the switch inside the receiver **twice** with small screwdrivers to make LED indicator turns **PURPLE** to set the control mode to D Bus Mode. (*Skip this step if it is default in Purple light*)
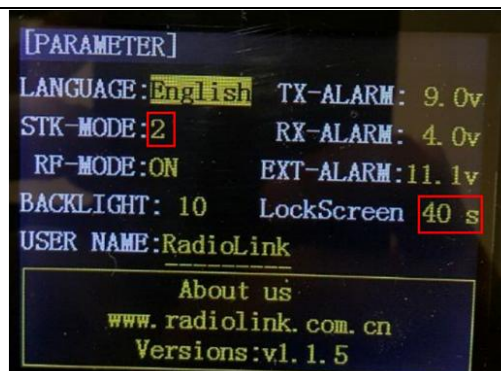

Use the small screwdrivers to press and hold the switch inside the receiver until it is flashing with light in **Blue** and **Purple**, Switch on the radio controller, it will start searching for available receiver. Receiver will stop flashing while the bind process complete and the radio controller will the signal strength on the screen
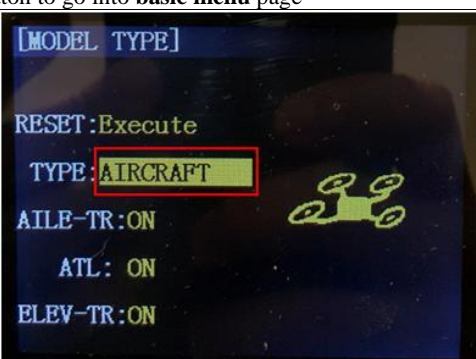
Radio Controller Parameters

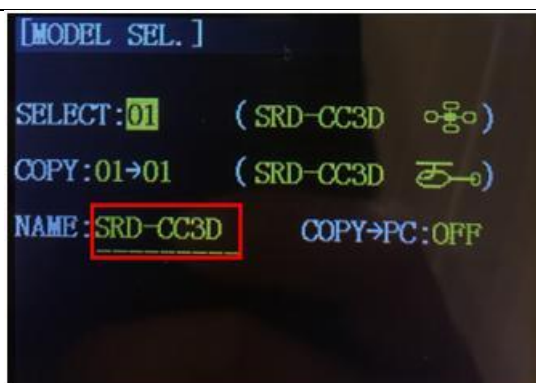If you reset your radio controller (AT9) setting, you can apply the setting below:

1) Press and Hold the controller wheel (With wordings "**PUSH**") to unlock the manual. Press and Hold **Mode** Button to go into **basic menu** page
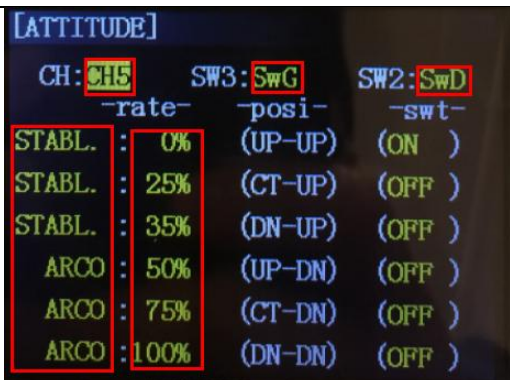

2) **[STK-MODE] = 2** (Stick Mode)
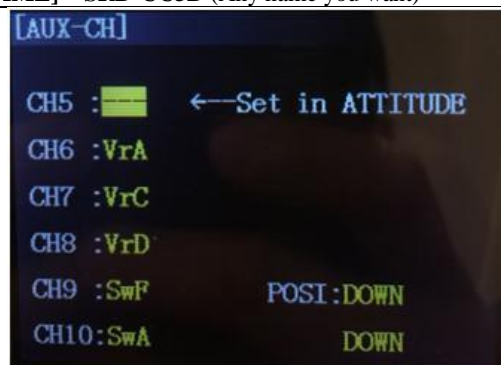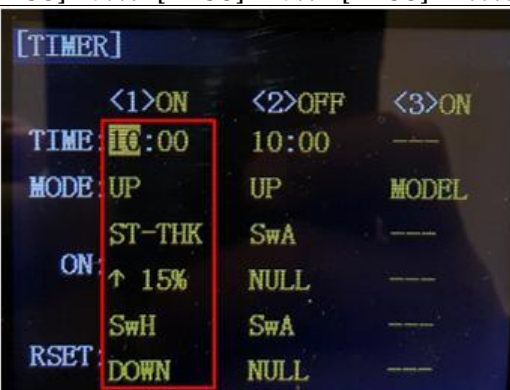   **[LockScreen] = 30s** (Time to lock screen)

3) **[TYPE] = AIRCRAFT**

4) **[SELECT] = 01**
   [NAME] = SRD-CC3D (Any name you want)

5) Go to **[AUX-CH]** -> **ATTITUDE**, apply the setting below:
   [CH] = CH5   [SW3] = SwG   [SW2] = SwD
   [STABL.] = 0% [STABL.] = 25% [STABL.] = 35%
   [ARCO] = 50%   [ARCO] = 75%   [ARCO] = 100%

6) **[CH5] = ------- [CH6] = VrA [CH7] = VrC**
   [CH8] = VrD [CH9] = SwF [CH10] = SwA

7) **[1] [TIME] = 10:00**
   [1] [MODE] = UP
   [1] [ON][1] = ST-THK (Using Throttle Stick to start the timer)
   [1][ON] [2] = 15% (Move the indicator over the value, set throttle stick to around 15%, Press and hold "Push" button to recognize the throttle value and move the wheel to change the arrow sign)
   [1][RESET] [1] = SwH (Using Switch H to responsible for the reset timer action)
   [1][RESET] [2] = DOWN (Using Switch H's down action to reset the timer)