① FCS-H500 Main controller guideline

①	To roundly cruise flight mode	⑨	To check voltage(connect with power board)	⑯	Connect with forth way brushless ESC
②	To hyper IOC	⑩	Data transmission(connect DEVO-RX705)	⑰	Connect with third way brushless ESC
③	To one key to take off	⑪	Jumper port, when regular receiver is need, insert random equipped bind plug pls.	⑱	Connect with second way brushless ESC
④	Control Mode Switch	⑫	To link LED	⑲	Connect with first way brushless ESC
⑤	To control Rudder	⑬	To link GPS module(red white blue black four color cable)	⑳	Upgrade channel
⑥	To control Throttle	⑭	Connect with sixth way brushless ESC	㉑	Data communcation port
⑦	To control Elevator (forward & backward)	⑮	Connect with fifth way brushless ESC	㉒	To link Compass (red black double color cable)
⑧	To control Aileron (leftward & rightward)				

② DEVO RX705 Receiver guideling

Telemetry connector(connect with single white line)
DATA BUS: data transmission(connect with FCS-H500 Main Controller)
AUX1: One key to take off(no need to connect)
AUX2: Hyper IOC(no need to connect)
AUX3: Roundly cruise flight mode(no need to connect)
AUX4: To connect the servo of landing skid
AUX5: Connect Gimbal, ROLL
AUX6: Connect Gimbal, PIT
AUX7: Connect camera controller/Clear fix ID code(When clear fix ID code is need, insert random equipped bind plug pls).

③ Instruction for knobs of G-3D gimbal

PIT: Set up gimbal tilt angle(control angle range -135°~ 90°), please refer to the mid-point as starting point, proper adjust the knob in counterclockwise direction.

ROLL: Set up gimbal rolling angle(control angle range 45°~ 45°), please refer to the mid-point as starting point, proper adjust the knob in counterclockwise direction.

TALI H500
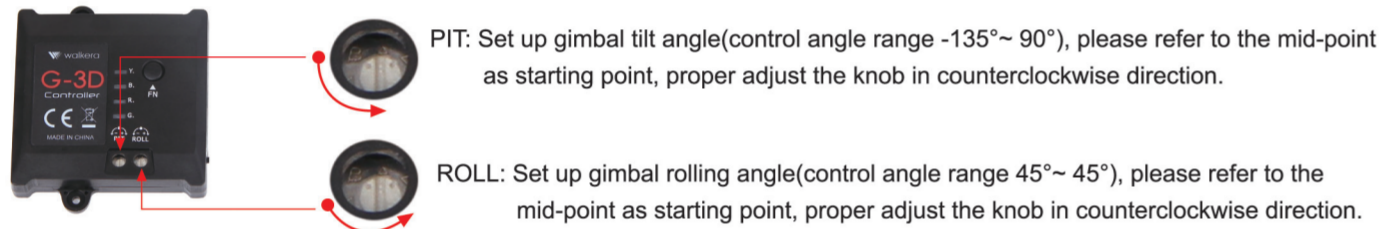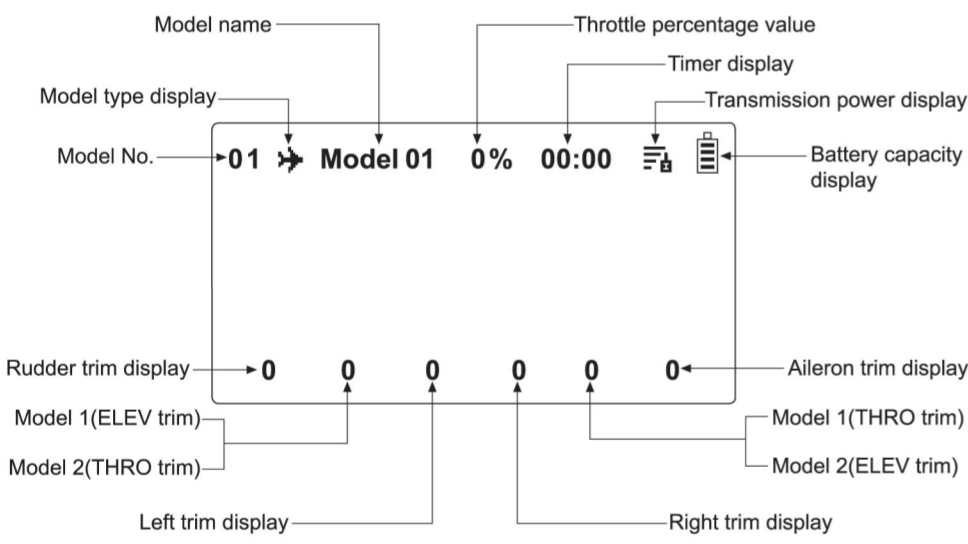## GPS SYSTEM

deVention

Match with DEVO F12E Radio Setting Guide

④ DEVO F12E Radio Setting

4.1 Boot Screen(Main interface)

Model name — Throttle percentage value
Model type display — Timer display — Transmission power display
Model No. —

01 ✈ Model 01   0%   00:00 — Battery capacity display

→0   0   0   0   0   0

Rudder trim display — Aileron trim display
Model 1(ELEV trim) — Model 1(THRO trim)
Model 2(THRO trim) — Model 2(ELEV trim)
Left trim display — Right trim display

4.2 Model Select

Main interface —ENT→ Main Menu —UP/DN ENT→ Model Menu —UP/DN ENT→ Model Select
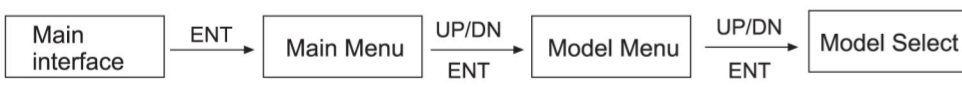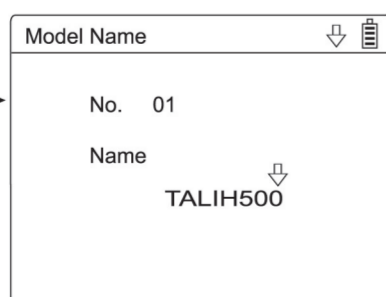
Press UP or DN button to select the stored model No. For example "Model 01", press EXT to return back "Model Menu" after finished.

Model Select	⇩ 🔋
✓ 01 ✈ Model 01	
02 ⊶ Model 02	
03 ⊶ Model 03	
04 ⊶ Model 04	
05 ⊶ Model 05	
06 ⊶ Model 06	
07 ⊶ Model 07	
08 ⊶ Model 08	

4.3 Model Name

Model Menu —UP/DN→ Model Name —ENT→
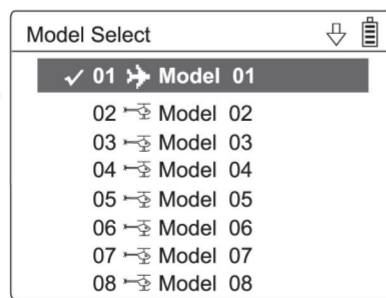
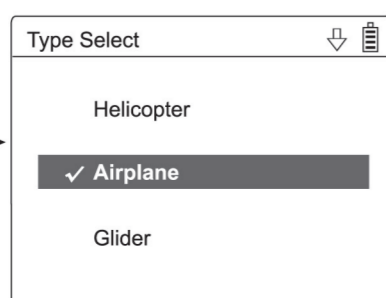| Model Name	⇩ 🔋
No. 01	
Name	
TALIH500	

Press UP or DN button to select the characters which need to be changed, Named model as "TALIH500". Press EXT to return "Model Menu".
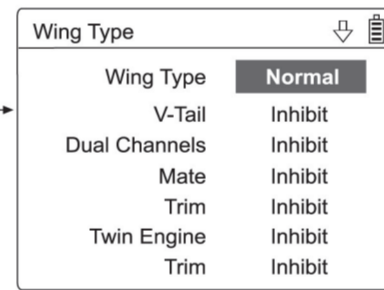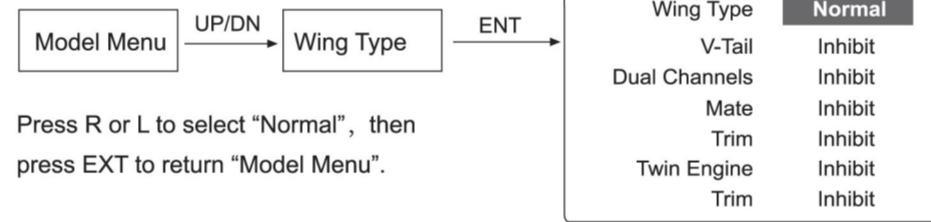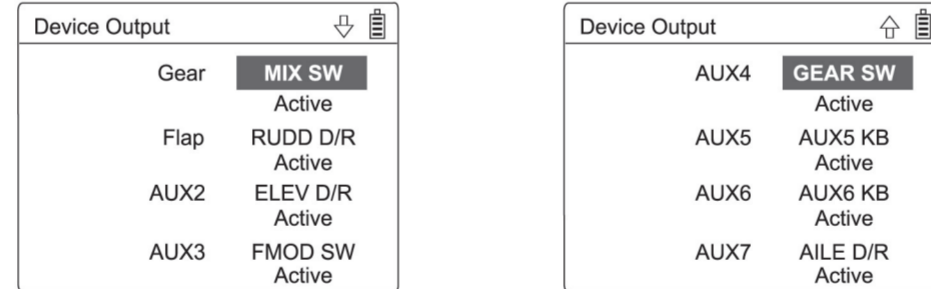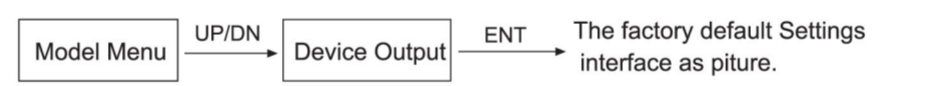
4.4 Type Select

Model Menu —UP/DN→ Type Select —ENT→

Type Select	⇩ 🔋
Helicopter	
✓ Airplane	
Glider	

Select the model type by R or L button, and confirmed with ENT, once finished will return to "Model Menu" automatically
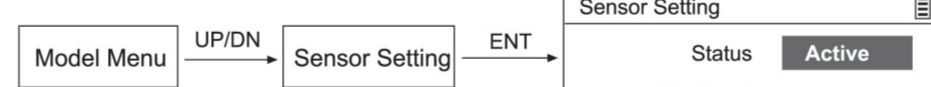
4.5 Wing Type

Model Menu —UP/DN→ Wing Type —ENT→
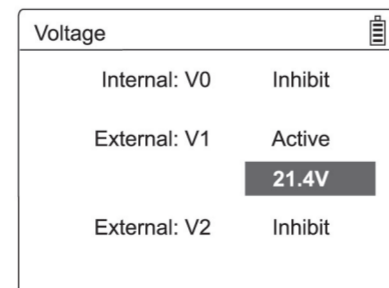
Press R or L to select "Normal", then press EXT to return "Model Menu".

Wing Type	⇩ 🔋
Wing Type	**Normal**
V-Tail	Inhibit
Dual Channels	Inhibit
Mate	Inhibit
Trim	Inhibit
Twin Engine	Inhibit
Trim	Inhibit

4.6 Device Output

Model Menu —UP/DN→ Device Output —ENT→ The factory default Settings interface as piture.

Device Output	⇩ 🔋
Gear	**MIX SW** Active
Flap	RUDD D/R Active
AUX2	ELEV D/R Active
AUX3	FMOD SW Active

Device Output	⇧ 🔋
AUX4	**GEAR SW** Active
AUX5	AUX5 KB Active
AUX6	AUX6 KB Active
AUX7	AILE D/R Active

Press EXT to return back "Model Menu" after finished.

4.7 Sensor Setting

Model Menu —UP/DN→ Sensor Setting —ENT→

Press R or L to select "Active".

| Sensor Setting	🔋
Status	**Active**
No Signal	Inhibit
Sensor Submenu	
	Voltage
	Temperature
	GPS Setting

(1) Voltage Setting
Press UP or DN to select Voltage in the Sensor Setting. Press ENT to enter Voltage interface.

Voltage	🔋
Internal: V0	Inhibit
External: V1	Active
	21.4V
External: V2	Inhibit

Internal shows the Radio battery voltage.
External shows the aircraft battery voltage.

TALI H500 default setting is 21.4V, please fly back the copter when you get a warning asap.

(2) GPS Receive Setting
Press UP or DN to select GPS setting on the Sensor Setting interface, then press ENT to enter GPS Setting interface.

GPS Setting	🔋
Altitude Type	**Relative**
Speed Unit	Km/h
Date Type	DD-MM-YY
Time Zone	UTC+08:00
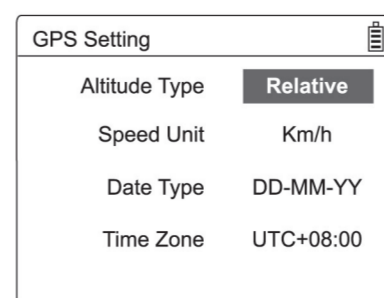
(2.1) Altitude Type setting:
Press R or L to select Absolute or Relative.

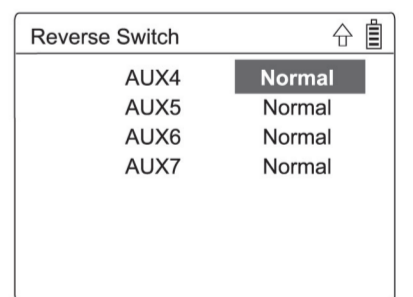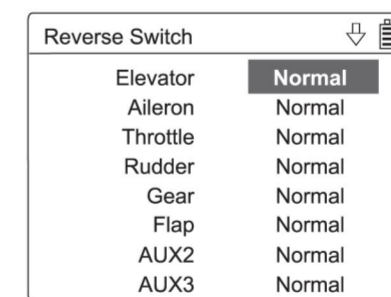**(2.2) Speed Unit setting:**
Press R or L to select Km/h or Knote.

(2.3) Date Type setting:
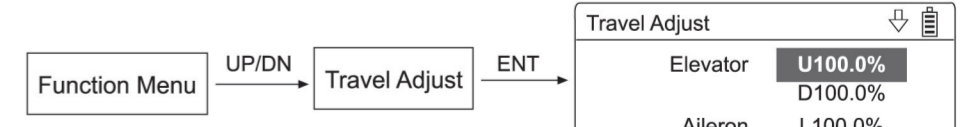Press R or L to select DD-MM-YY\ MM-DD-YY\ YY-MM-DD.

(2.4) Time Zone:
Press R or L to select Time Zone, then press EXT to return "Main Menu".

4.8 Reverse Switch

Main Menu —UP/DN ENT→ Function Menu —UP/DN ENT→ Reverse Switch —ENT→ The factory default Settings interface as piture.

Reverse Switch	⇩ 🔋
Elevator	**Normal**
Aileron	Normal
Throttle	Normal
Rudder	Normal
Gear	Normal
Flap	Normal
AUX2	Normal
AUX3	Normal

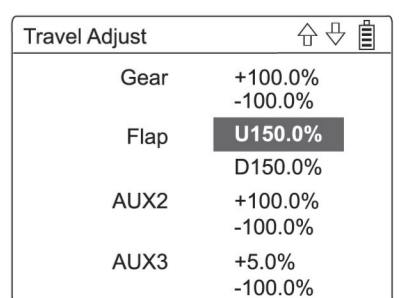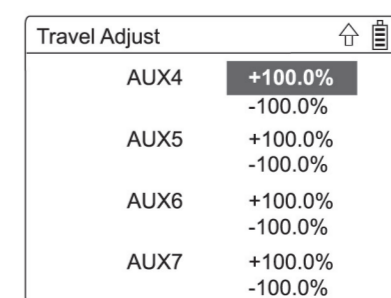| Reverse Switch	⇧ 🔋
AUX4	**Normal**
AUX5	Normal
AUX6	Normal
AUX7	Normal

Press EXT to return back "Function Menu" after finished.

4.9 Servo Travel Adjust

Function Menu —UP/DN→ Travel Adjust —ENT→

Travel Adjust	⇩ 🔋
Elevator	**U100.0%** D100.0%
Aileron	L100.0% R100.0%
Throttle	H100.0% L100.0%
Rudder	L100.0% R100.0%

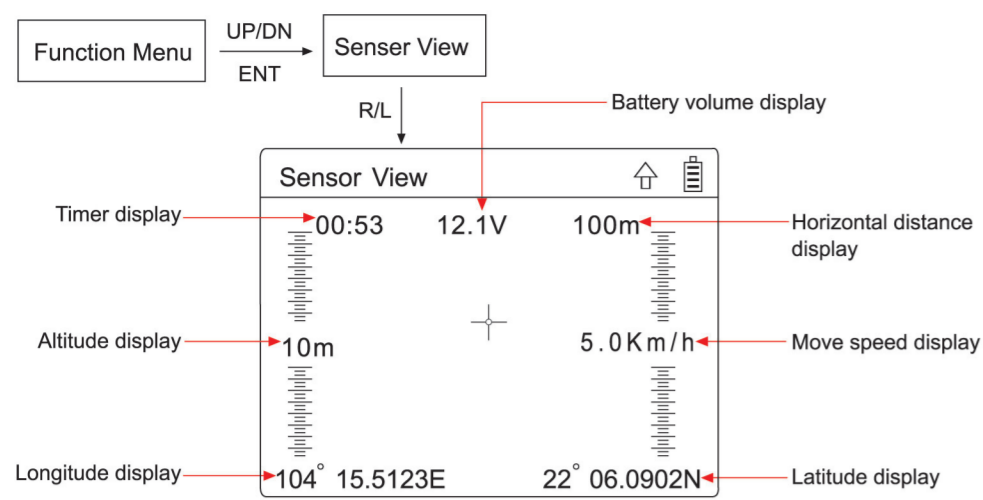Press UP or DN to select Flap channel, Press R or L to set as **U150.0% and D150.0%**.

Press UP or DN to select AUX3 channel, press R or L to set **+5.0%(5 means Roundly cruise flying radius is 5 metre) and -100.0%**, then press EXT to return Function Menu.

Travel Adjust	⇩ 🔋
AUX4	**+100.0%** -100.0%
AUX5	+100.0% -100.0%
AUX6	+100.0% -100.0%
AUX7	+100.0% -100.0%

Travel Adjust	⇧ 🔋
Gear	+100.0% -100.0%
Flap	**U150.0%** D150.0%
AUX2	+100.0% -100.0%
AUX3	+5.0% -100.0%

4.10 Senser View

Function Menu →(UP/DN / ENT)→ Senser View

Sensor View display:
- Battery volume display
- Timer display: 00:53
- 12.1V
- Horizontal distance display: 100m
- Altitude display: 10m
- Move speed display: 5.0Km/h
- Longitude display: 104° 15.5123E
- Latitude display: 22° 06.0902N

Press R or L to select viewport display. When set the image as background, Information will be displayed on the image.

4.11 Video Setting

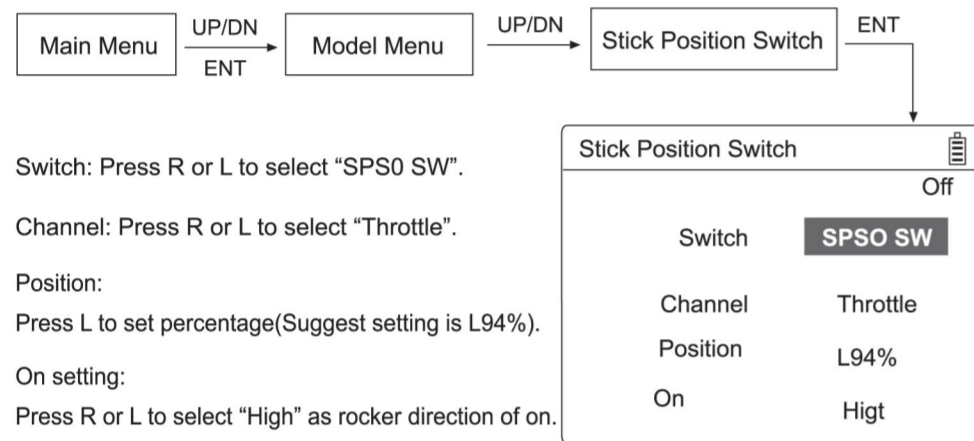Main Menu →(UP/DN / ENT)→ System Menu →(UP/DN)→ Video Setting →(ENT)→
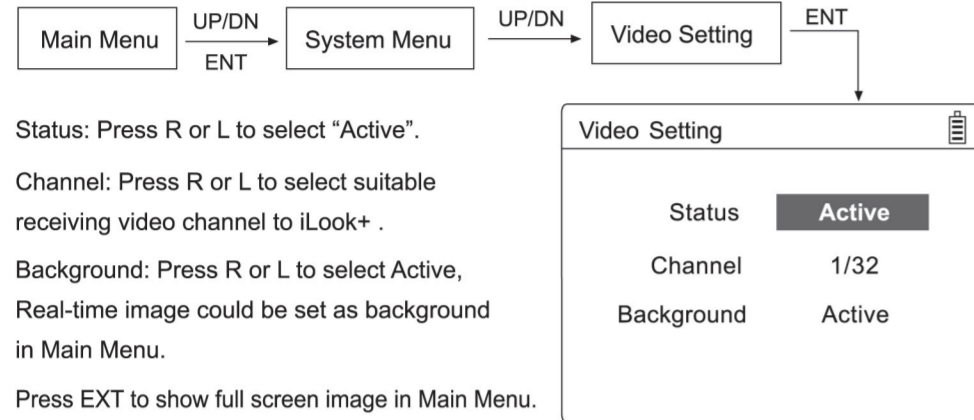
Status: Press R or L to select "Active".

Channel: Press R or L to select suitable receiving video channel to iLook+ .

Background: Press R or L to select Active, Real-time image could be set as background in Main Menu.

Press EXT to show full screen image in Main Menu.

Video Setting
- Status: Active
- Channel: 1/32
- Background: Active

4.12 Timer Setting

Main Menu →(UP/DN / ENT)→ Model Menu →(UP/DN)→ Stick Position Switch →(ENT)→

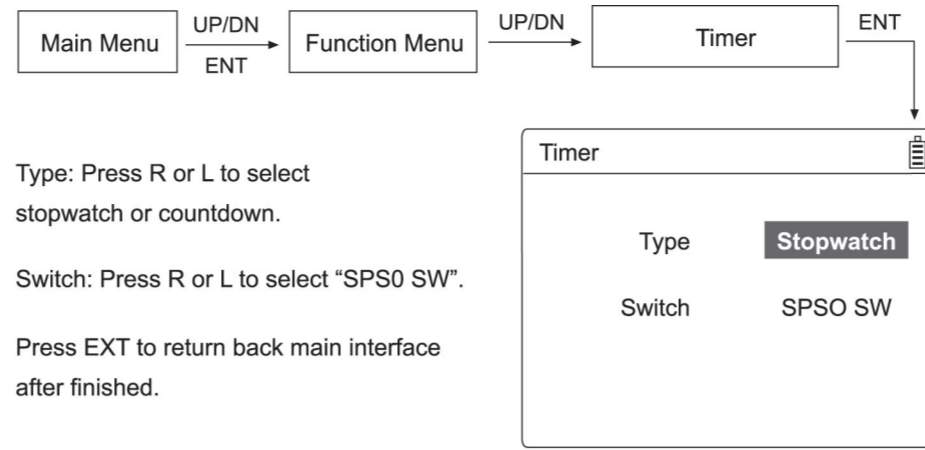Switch: Press R or L to select "SPS0 SW".

Channel: Press R or L to select "Throttle".

Position:
Press L to set percentage(Suggest setting is L94%).

On setting:
Press R or L to select "High" as rocker direction of on.

Stick Position Switch
- Off
- Switch: SPS0 SW
- Channel: Throttle
- Position: L94%
- On: Higt

Move up and down of the throttle to check if the direction of the switch is set correctly. Then press EXT to return "Main Menu".

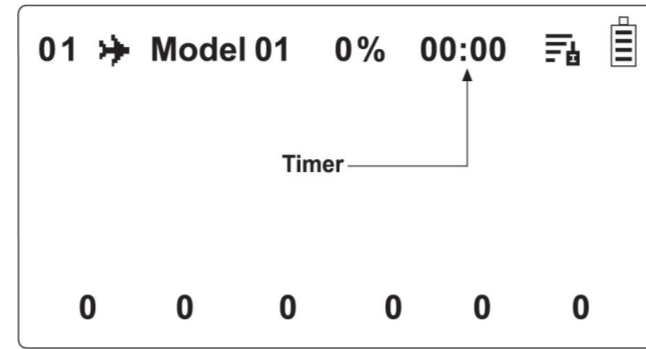Main Menu →(UP/DN / ENT)→ Function Menu →(UP/DN)→ Timer →(ENT)→

Type: Press R or L to select stopwatch or countdown.

Switch: Press R or L to select "SPS0 SW".

Press EXT to return back main interface after finished.

Timer
- Type: Stopwatch
- Switch: SPSO SW

Usage: Toggle the throttle up to L94% to start the time, toggle the throttle down to L94% to stop the time, press DN to reset.

01 ✈ Model 01   0%   00:00

Timer

0   0   0   0   0   0

---

❺ iLook+ Camera Setting

5.1 Pictures illustration

- Shutter Button
- Video/Photo Switch
- Antenna
- walkera
- iLook+
- Indicator(Red light)
- Micro SD card slot
- Power port(DC 7V-15V)

5.2 Specifications

(1) Video

a. Video Resolution: 1920 x1080 Full HD   b. FPS: 30   c. Micro High Speed SD card: Max 64G

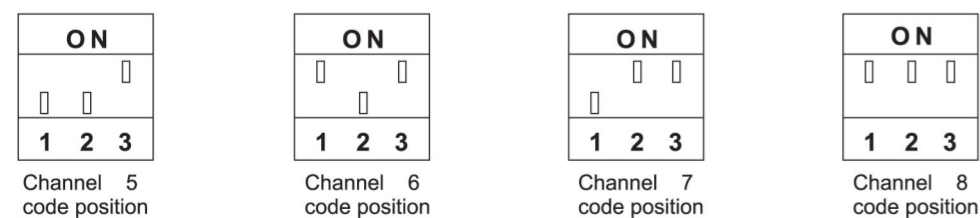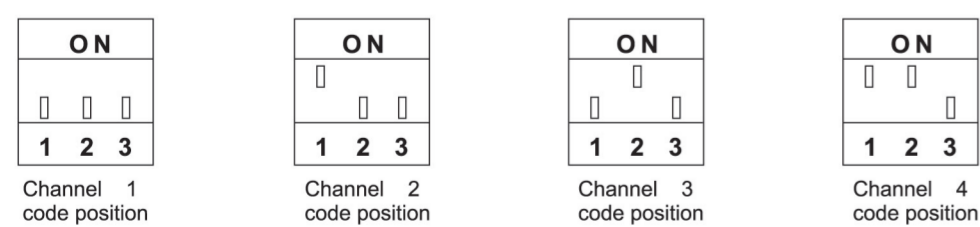d. Imaging Sensor: 3,000,000 Pixels   e. Video Format: MOV   f. Photo: 4032x3024 Pixels

(2) 5.8G wireless

a. 5.8G wireless image transmission   d. FCC Output Power≤200mW   c. CE Output Power≤25mW

d. CE Bind B section: 8 channels   e. FCC Bind B section: 4 channels

5.3 iLook+(FCC/CE) camera transmitting channel selection

There are 8 different channels can be selected. You can choose the best frequency channel according to the image quality as bellow:

Channel	1	2	3	4	5	6	7	8
Frequency	5866MHz	5847MHz	5828MHz	5809MHz	5790MHz	5771MHz	5752MHz	5733MHz

ON 1 2 3 — Channel 1 code position
ON 1 2 3 — Channel 2 code position
ON 1 2 3 — Channel 3 code position
ON 1 2 3 — Channel 4 code position
ON 1 2 3 — Channel 5 code position
ON 1 2 3 — Channel 6 code position
ON 1 2 3 — Channel 7 code position
ON 1 2 3 — Channel 8 code position

Channel code switch

Note: Only transmitting channel 2, 4, 6, 8 are available for the iLook+(FCC).

5.4 Video and Photo user guide

Warm tips:

(1) Micro SD card must be inserted to the iLook+ camera before connecting the power, and took off after disconnecting the power.(Recommend to use high speed SD card)

(2) Insert MICRO SD card, the camera is powered on, the red indicator light indicates the camera is initialized, the red light goes out indicates the camera enters standby mode initialization is complete.

(3) Insert MICRO SD card, the camera is powered on, if the red indicator light blinks rapidly means formatting it is necessary.pls stir video/ photo switch to 🎥 position press shutter last for 5 sec.format after the completion of the proposed re-energized camera.

(1) Video instruction

(1.1) Radio Operation

| Switch	Transmitter setting	Instructions
AILE D/R	Model Menu ↓ Device output ↓ AUX7 ↓ AILE D/R ↓ Active	(1) It's a must to turn the switch of iLook+ to " 🎥 " position. (2) Start video: turn the AILE D/R switch from "0" position to "1" position, wait for 1-2 seconds, then return to "0" position, the camera will start to video (the red indicator keeps flash with an interval of 0.5 second). The red indication of video status can be seen on the transmitter. Stop video: turn the AILE D/R switch from "0" position to "1" position, wait for 1-2 seconds, then return to "0" position, the camera will stop video (the red indicator lights out). And the red indication of video status can not be seen on the transmitter. (3) Make sure that the video recorded will not be saved in the SD card if you haven't finished the "stop video" operation.

(1.2) Manual Operation

Turn the Video/Photo Swich to 🎥 first please, press the shutter button once, iLook+ camera starts to Video(the Red indicator flash for 0.5sec interval); Press the shutter button again, iLook+ camera stops video(The Red indicator light out).

(2) Photo instruction

Please Turn the video/photo switch to 📷 , Press the shutter button once, iLook camera Will take a photo (The Red indicator blinks once then light out), press the shutter button again, it will take another photo.

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❻ Connect charger instruction

Slide the power switch to "ON" position when charging, press the power button for 3-5 seconds till the power indicator keeps on.

- Power switch
- Power button
- Power indicator
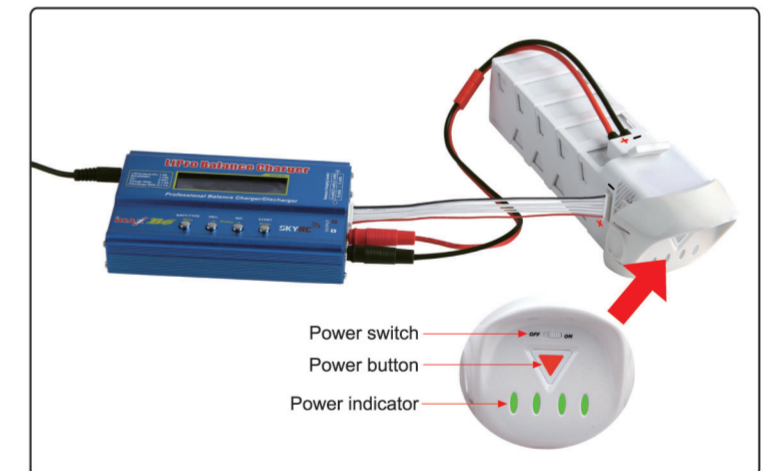
❼ Important Statement

(1) This product is not a toy. It is a piece of complicated equipment which harmoniously integrates engineering materials, mechanics, electronics, aerodynamic and high frequency radio. Correct installation and adjustment are necessary to avoid accidents taking place. The owner must always operate in a safe manner. Improper operation may result in serious property damage, bodily injury or even death.

(2) This product is suitable for experienced Aircraft pilots aged 14 years or more. All minors must be accompanied by a responsible adult when flying.

(3) The flight field should be legally approved by the local government. We accept no liability for any safety duties or fines arising from operation, usage or mis-control after the sale of the products .

(4) We consign our distributors to offer technical support and service after sale. Please contact the local distributors for problem resolution caused by usage, operation, maintenance, etc.