CHEERSON®

SANLIANHUAN®

14+

USER MANUAL

NO.CX-17-TX

Available on the App Store

ANDROID APP ON Google play

Please read and follow all instructions and warnings in the manual prior to set up or use. Do not discard the manual.

Dear Customers:

We appreciate you for choosing our products.

For the safety reasons, please read the manual carefully. Keep the manual for future reference.

1.Warning

(1)This is not a toy. It is a sophisticated hobby product equipped with electronic and mechanical parts. It must be operated with caution and common sense. The pilot should take all reasonable steps in order to protect: himself, other people, animals and property. We take no responsibility for any kind of accidents which are caused by incorrect operation, or incorrect installation of parts.

(2)The product is suitable for hobbyist who are over 14 years old.

(3)Please, fly in areas where flying is permitted.

(4)We take no responsibility of operations, usage and etc. after the aircraft is sold.

(5)Please contact your local dealer for parts and repair consultations.

2 Safety Precautions

(1)It is a high-risk product and we recommend always operate it in open spaces away from people, vehicles and property. Always keep a safe distance in all directions around the device while it is in operation to avoid collisions or injury.

(2)The accidents (physical injuries or property damages) may be caused by: incorrect aircraft's parts installations; damaged aircraft's parts; defective electronic equipment; unfamiliar operations of the aircraft. The pilot should pay attention to the safety while operating the CX-17. The pilot is responsible for the accidents.

Basic aircraft specifications

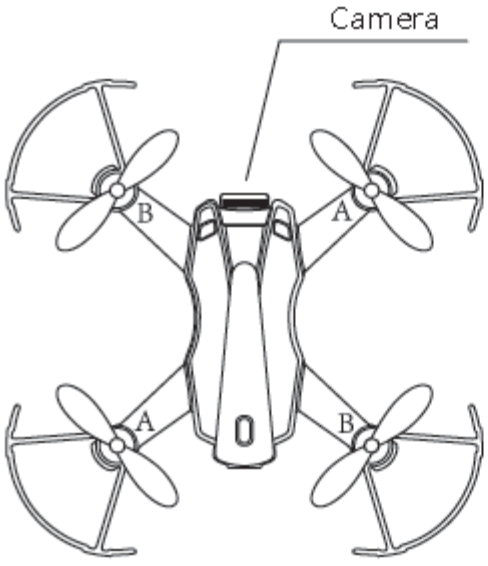
Weight (with the battery)	39g
Aircraft size (with the blade protectors)	116*112*34mm
Flying time	About 7 minutes
Suitable flying environment temperature	0-40C°
Control distance	About 30m WiFi RC distance about 25m
Maximum speed	18 km/h
Flying modes Battery	Beginners/intermidiate/ advanced; flips&rolls
Battery charging time	About 60 minutes
Charging way	USB charge connector

Camera

Picture format	PNG
Picture resolution	640*480
Video format	MP4
Video resolution	640*480
Frame rate	25fps

1.Box contents

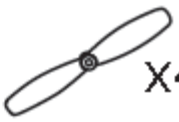
CX-17



Blade Wrench

x1

Blades



x4

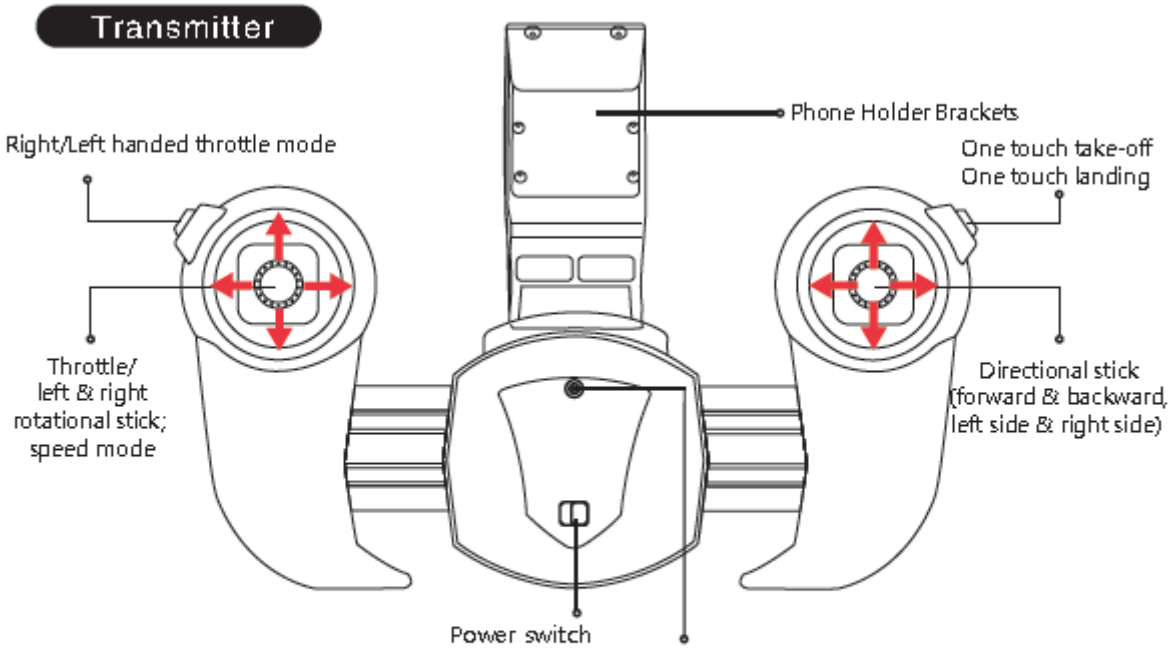
USB charging cable

x1

Manual

x1

Transmitter



(Left handed throttle mode)

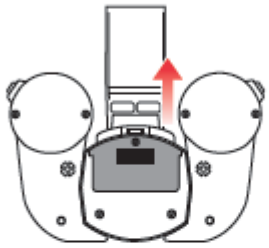
SWITCHING TO RIGHT HANDED THROTTLE MODE:
PRESS THE KEY: RIGHT/LEFT HANDED THROTTLE MODE
TURN ON THE POWER OF THE TRANSMITTER AND IT WILL ENTER THE RIGHT HANDEDTHROTTLE MODE.

2.Transmitter battery installation

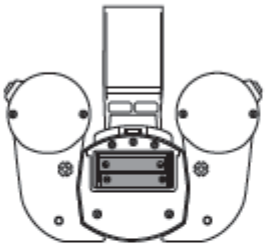
① Transmitter battery installation

Pay attention to the polarity of the batteries.

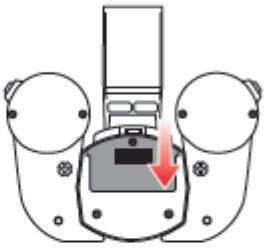
1.Open the battery protective cover of the transmitter.



2.Install 2 1.5V alkaline "AAA" batteries and close the protective cover of the battery.

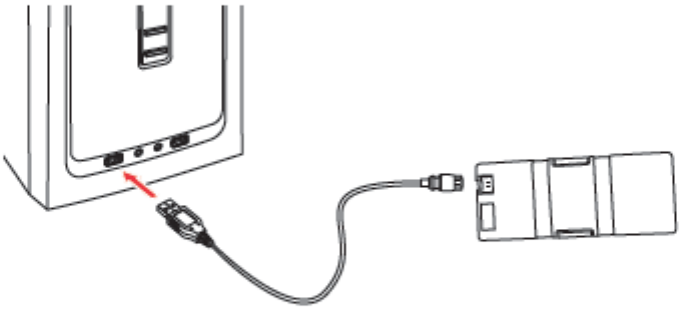


Note: alkaline batteries are not included.



② Charging aircraft battery

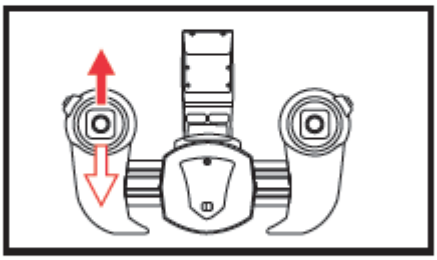
Connect the battery to the charger. Insert the charger into computer USB port or othe USB chargers ports. When charging, the USB light indicator will be on. Unplug the charger when the light is off. The USB charging cable can be connected to Apple chargers and other smart phone chargers. It also can be charged using portable batteries and car phone charges. Only standard +5+0.5v USB chargers are supported.



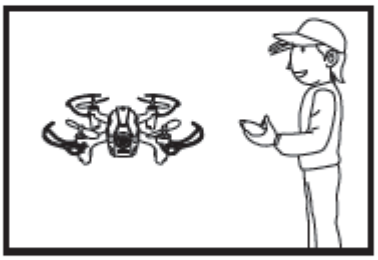
③ Attention

Charging time: about 60 minutes.
Flying time: about 7 minutes.
Flashing lights on the aircraft indicate low voltage of the battery. Descend and recharge the aircraft battery.

④ Pairing



1. Turn on the aircraft and put it on a flat level surface. Turn the transmitter on: it will beep once; move the throttle stick fully up (beep) and fully down (beep). The aircraft' s lights will stop flashing indicating successful pairing.



2. The aircraft is ready for the flight.

⑤ Download Software

IOS Phone Software Download Instructions

1.Download and Install the Software

Please download and install the software CX-17WIFI from APP Store, or scan the two-dimensional code.

2.WIFI Connection Instruction

1.Turn the aircraft on and the lights on the aircraft will flash rapidly.

2.Turn on WIFI and connect CX-17WIFI. When the "√" appears indicating successful connection then exit the setting.

3.Open the software CX-17WIFI on your iPhone or iPad, then click the icon to enter the control interface.

Android Phone Software Download Instructions

1.Download and Install the Software

Overseas User: Please download and install the software CX-17 WIFI through the Google Play Store, or scan the two-dimensional code, to download and install.

China User: Please download the software CX-17WIFI through alternative way, or scan the two-dimensional code, to download and install.

IOS APP

GooglePlay

ANDROID APP
FOR MAINLAND CHINA USER

2.WIFI Connection Instruction

1.Turn the aircraft on and the lights on the aircraft will flash rapidly.

2.Turn on WIFI and connect with CX-17WIFI. When the "√" appears indicating successful connection then exit the setting.

3.Open the software CX-17WIFI on your phone, then click the icon to enter the control interface.

Warning

(1) When flying, keep away from other WIFI signals as far as possible.
(2) Turn off WIFI and reconnect it if there is no WIFI signal found in search menu.
(3) Please completely exit the software when you need to change the battery. Choose the corresponding network for connection. Turn on the software again after successful connection.
(4) WIFI range may reach 25 meters. Please do not exceed the flying range to keep normal flying.

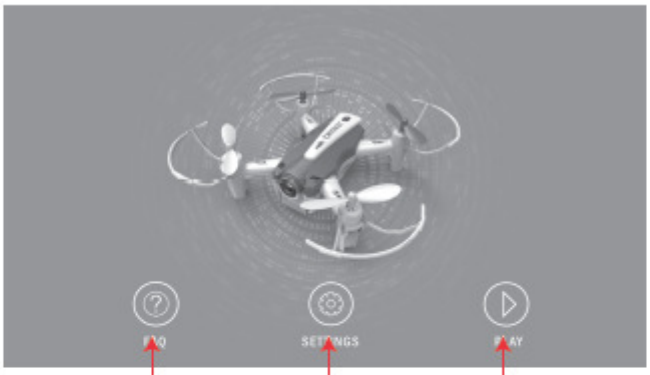
1.Open the CX-17WIFI App.

2.Click play to enter the controller interface.

3. Controller interface.

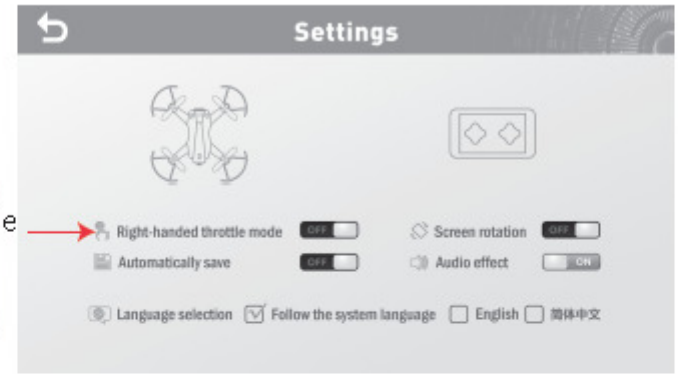
※ Pair the aircraft with transmitter, then to the smart phones WiFi. Click the icon to switch the App interface off/on.

Controller Interface



Startup Interface

By default, it is in left handed throttle mode.
Turn on right handed throttle



Controller interface

1.Return
2.Take picture
3.Take video
4.View pictures/videos
5.Gravity sensing control
6.One touch balance calibration
7.Adjust sensitivity
8.VR split-screen
9.Rotate the monitor
10.Controller interface off/on
11.Trajectory flying
12/13.Rotational yaw
14/15.Ascend/descend
16.One touch take-off
17.One touch front flips
18.Selfie mode
19.One touch landing
20/21.Forward/backward
22/23.Left/Right (aileron)
24/25.Yaw trim
26/27.Aileron trim

One touch take-off

Place aircraft on a flat level surface and click the one touch take-off icon. After taking off it can hover and keep height at approx. 1.5m above the ground.

One touch landing

After clicking one touch landing icon, the aircraft will gradually loose height and automatically land.

One touch flips & rolls

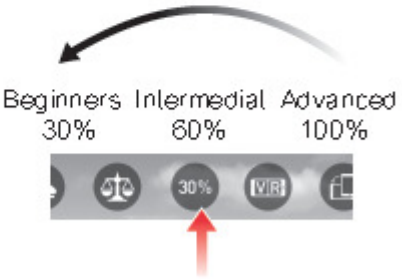
When hovering click the one touch front flips icon, the aircraft will flip forward.

One touch balance calibration

If you encounter any unstable flying, place the aircraft on the flat level surface and click the one touch balance calibration icon. The LED indicators on the aircraft will flash constantly, indicating the successful calibration.

Fly Modes Settings

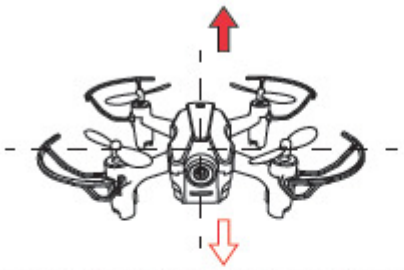
You can fly in 3 different modes and it is defaulted at beginners mode 30%.
Beginners mode - 30%
Intermediate mode - 60%
Advanced mode - 100%
To change modes click the sensitivity icon. The higher the sensitivity, the quicker the aircraft will respond.



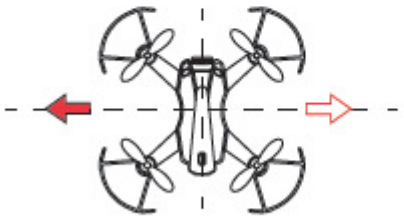
3.Operations

1.Manual flying control (left handed throttle mode)

(1)Ascend/descend control: when the throttle stick is moved up, the rotors will rotate faster and the aircraft will ascend; when the throttle stick is moved down, the rotors will rotate slower and the aircraft will descend.

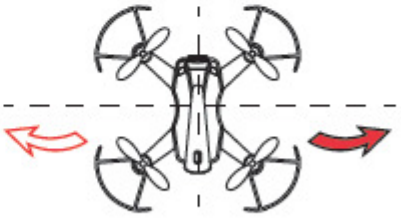


(2)Left/right side control: when the aileron/directional stick is moved left, the aircraft will fly to the left side; when the aileron/directional stick is moved right, the aircraft will fly to the right side.



(3)Forward/backward control: when the elevator/directional stick is moved up, the aircraft will fly forward; when it is moved down the aircraft will fly backward.

(4)Rotational/yaw control: when the throttle stick is moved to the left, the aircraft will rotate to the left; when it is moved to the right, the aircraft will rotate to the right.



Trim Settings

(1)Forward/backward trim: if the aircraft drifts forwards or backwards, while trying to hover adjust the trim setting until it gets stable hovering.
(2)Left/right side fly trim: if the aircraft drifts to the left or to the right, while trying to hover adjust the trim setting until it gets stable hovering.
(3)Rotational trim: if the aircraft rotates to the left or to the right, while trying to hover adjust the trim setting until it gets stable hovering.

2.Gravity sensor control (left handed throttle mode)

The gravity sensor control is defaulted to OFF status. It will turn blue after clicking the icon, indicating ON status.

When the gravity sensor is on, you still need to move the throttle stick to control the height and rotational direction. You can use the phone to control the aircraft left/right, forward/backward.

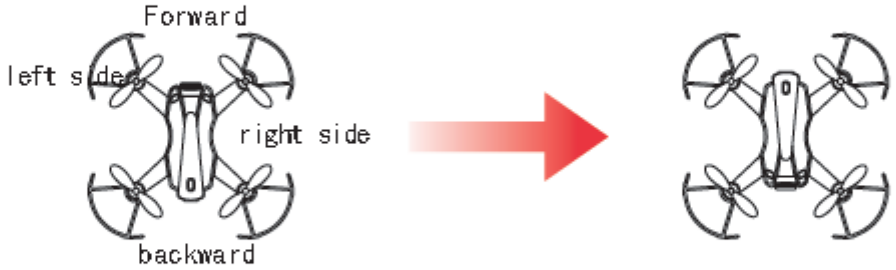
(1)Left/right side control: when the phone slopes to the left the aircraft will fly to the left; when the phone slopes to the right the aircraft will fly to the right.

(2)Forwards/backwards control: when the phone slopes forward, the aircraft will fly forwards; when it slopes backward, the aircraft will fly to backwards.

3.Selfie mode control

The selfie mode function is defaulted to OFF status. It will turn blue after clicking the icon, indicating ON status.

Note: the aircraft should be kept stable when selecting selfie mode. The front of the aircraft should be facing forward. After selecting the selfie mode, the aircraft automatically does a 180 degree turn, to face the pilot.



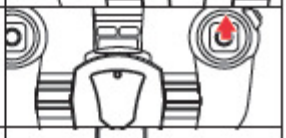
Selfie mode OFF. Selfie mode ON.

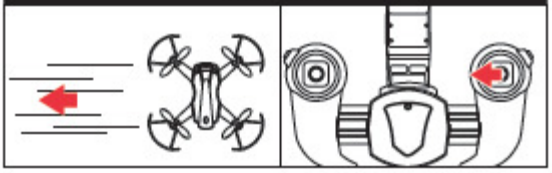
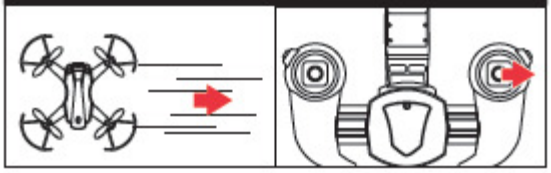
4.Trajectory flying

Clock the icon of trajectory flying and it will turn blue, indicating it is ON. Controller sticks on APP will be concealed. Draw a line on the APP interface.

Note: The ratio of trajectory flight is affected by the speed selection icon. Try to use in spacious surroundings without obstacles.

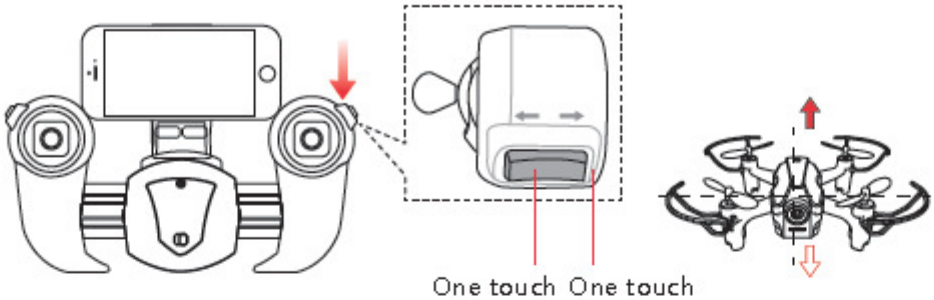
4.Controlling with Transmitter

Operations			
Ascend		When the throttle stick is pushed up, the blades will spin faster causing the aircraft to ascend.	
Descend		When the throttle stick is pushed down, the blades will spin slower causing the aircraft to descend.	
Left rotation		When the throttle stick is moved left, the aircraft will rotate to the left.	
Right rotation		When the throttle stick is moved right, the aircraft will rotate to the right.	
Forward		When the directional stick is moved up, the aircraft will fly forward.	
Backward		When the directional stick is moved down, the aircraft will fly backward.	

Turn left	Turn right
	

■ One touch take-off & One touch landing

One touch take-off/landing button is on the right of the transmitter.
The top button is take-off and the bottom button is automatic landing.



■SWITCHING FROM LEFT TO RIGHT HANDED THROTTLE

Press and hold the button on the left side of the transmitter, turn on the power of the transmitter and it will automatically enter the right handed throttle mode.

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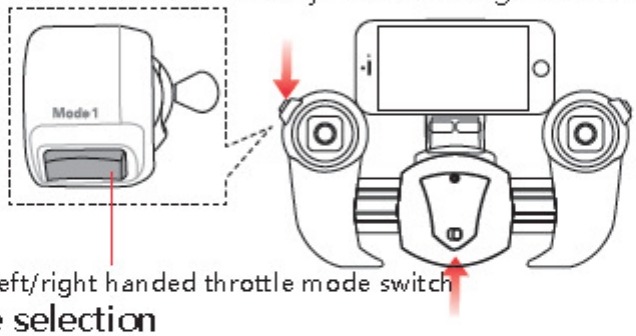


■ Low-fast mode selection

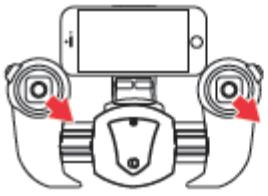
Beginners Mode	Gently press the throttle stick and the transmitter will beep once indicating beginners mode.	
Intermediate Mode	Gently press the throttle stick and the transmitter will beep twice indicating intermediate mode.	
Advanced Mode	Gently press the throttle stick and the transmitter will beep 3 times indicating advanced mode.	

■ Flips & Rolls

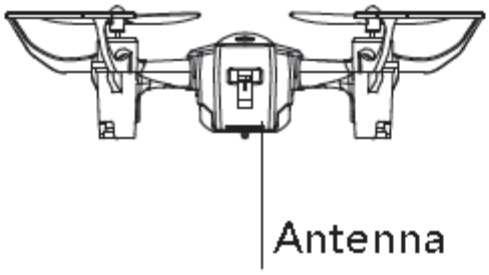
Flips and rolls can be performed in all 3 flying modes, press the directional stick and release it, the transmitter will beep once indicating the flip/roll mode is entered; use the directional stick to perform rolls and flips by moving it fast to the direction in which flip/roll is wanted.

5.Calibration of Accelerometer

If your aircraft begins to be unstable during flight or drifts quickly to one direction, please calibrate the accelerometer (left handed throttle mode).
(1)The aircraft should be placed on flat level surface.
(2)Turn on aircraft/transmitter and pair them. Push the throttle and directional sticks to the lowest right corner. The indicating lights on the aircraft will flash for 1-2 seconds, release the sticks. Wait untill the aircraft's lights stop flashing indicating successful calibration.

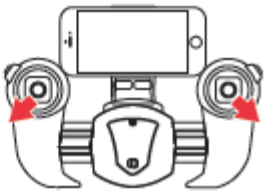


In order to strengthen the quality of the WIFI FPV signal, please place the aircraft's antenna vertically.



6.Arming and Disarming Motors

Arming: after successful pairing procedure, arm the motors by pushing both sticks at the same time (push the left stick to the bottom-left corner and the right stick to the bottom-right corner) and the motors will start spinning. Slowly push the throttle stick up and the aircraft will ascend.



Disarming: after descending the aircraft, disarm the motors by pushing both sticks at the same time (push the left stick to the bottom-left corner and the right stick to the bottom-right corner) and hold it for 2 seconds, the motors will stop spinning.

FCC Warning:
changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

CE Warning:
Hereby, Guangdong Cheerson Hobby Technology CO., LTD, declares that this aircraft is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
The full test of the EU declaration of conformity is available at the following internet address: http://www.cheersonhobby.com/
Product is selling the whole Europe.
Restriction Use: this product could be used outdoor only.