CHEERSON®

14+

Instruction Manual

NO.CX-30W(R/C Version)

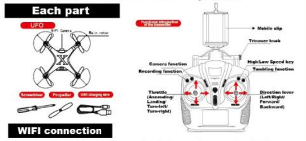
(WIFI)

Available on the App Store
Application Program Shop

Please read this instruction manual carefully before flying operation.

1.WIFI connection & Mobile Control Operation

Each part



WIFI connection

Please fly this product in the spacious indoor environment and make sure that there is no obstacle, animal or crowd nearby.

1. Download and install this software:
This software can be applied on iphone or ipad. Please go to the APP Store to download the software of cx_wifiufo.

2.Connection Instruction:
1.When switching on the power of the aircraft, the indicator of the aircraft starts quick flashing.
2.When accessing into the Setting option of the iphone or ipad, please open the WIFI and then find the file of cx_wifiufo in the Option. Connect it until the sign "√" appears, which represents successful connection, finish it and exit from the setting.
3.Open the software of cx_wifiufo in the iphone or ipad, click the icon and then access into the control interface (Note: Please keep it far away from any other WIFI environments when flying.)



Start Interface



Control Interface

Caution: Please make sure that the flying environment should be suitable for playing before flying. During the course of flying, please DO NOT let the aircraft fly beyond the eye scope.should be on the spot and give guidance to the children during the course of operating.

2. Instruction of the Control Interface:



1. Taking picture	6.Display/Hide the control interface	13/14. Trimmer for Left/ Right Rotating
2. Taking picture	7. Screen Selection	15. Throttle control
3. Picture & Video check	8. One-key tumbling (not start yet)	16/17. Turn left/Turn right Control
4. Speed Selection	9/10. Trimmer for Forward & Backward Action	18/19.Left/Right-side control
5. Control Mode of Gravity Sensor	11/12. Trimmer for Left/ Right-side flying	20/21. Forward/Backward Control

3. Function setting





Advanced Setting (Defaulted)

Advanced Setting (Defaulted)
Left/Right throttle (switch on the right-hand, switch off the left-hand)

4. Operating method

1.Manual flying control (take MODE2 for example)



(1) Throttle control: Keep pressing the throttle to control and push the ball upward, the motor will keep rotating. The higher you push the ball, the faster the motor will be rotating (that is to say, it will fly higher); If the ball goes down, the motor will slow the speed. The lower the ball, the slower the motor will be rotating.



(2) Aileron (left/right) control: When the aileron-controlling ball moves to the left, the UFO will fly to the left. When the aileron-controlling ball moves to the right, the UFO will fly to the right.



(3) Lift (Forward/Backward) Control: When the lift-controlling ball moves upward, the UFO will fly forward. When the lift-controlling ball moves downward, the UFO will fly backward.



(4) Steering Control: When the direction-controlling ball moves to the left, the head of the UFO will rotate to the left. When the direction-controlling ball moves to the right, the head of the UFO will rotate to the right.

2. Gravity-Sensor Control (take mode 2 for example)
Touch the control key of Gravity Sensor on the flying control interface on the mobile. In the case of "ON" state, it will show the colorful icon. In the case of "OFF" state, it will show the grey icon. As the picture shown below:

When the Gravity Sensor is in the state of OFF



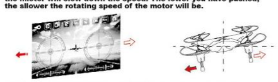
When the Gravity Sensor is in the state of ON



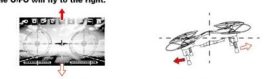
When the state icon for Gravity Sensor control switch key shows Colorful, the lifting lever and aileron control has already been switched into Gravity Sensor Control (you can operate it by single hand). This time the direction control is as below:



a) Throttle Control: Keep pressing the throttle controlling ball and push the ball upward, the motor will be rotating. The higher you have pushed, the faster the rotating speed of the motor (i.e. flying higher); Keep pressing the throttle controlling ball and push the ball down, the motor will slow down the speed. The lower you have pushed, the slower the rotating speed of the motor will be.



b) Aileron (left/right) Control: When the mobile tilts to the left, the UFO will fly to the left. When the mobile tilts to the right, the UFO will fly to the right.



c) Lifting (Forward/Backward) Control: When the mobile tilts forward, the UFO will fly forward. When the mobile tilts backward, the UFO will fly backward.



d) Steering Control: When the direction-controlling ball moves to the left, the head of the UFO will be rotating to the left. When the direction-controlling ball moves to the right, the head of the UFO will be rotating to the right.

3. Caution:
(1) If you can not search the WI-FI, please close the WI-FI and then re-connect it.
(2) If you need to replace the batteries, please completely exit from the control software and then select the corresponding network to connect. When successfully connecting it, please re-start this software.
(3) The maximum control radius of the WI-FI is 25 meters. Please DO NOT fly it beyond this scope.

Appendix: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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter dout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

5. WIFI Control & Operation

1.Preparation before taking off

① Load the batteries in the transmitter as per the picture shown.
② Please place the aircraft on the level surface.
③ Please make sure that you need to keep at least one meter away from the tail part of the aircraft (facing to the tail propeller).
④ Please confirm once again to make sure the flying place should be far away from the crowd or animal or any other obstacles.
⑤ Please switch on the power of the transmitter and the indicator will start flashing. In the meantime, please connect it with the aircraft. When you hear the sound of "Di, Di", it represents the decoding has been successfully finished and the aircraft can take off normally.

2.Cautions on controlling

Control distance: The flying scope of the aircraft will be about 30 meters. If the controlling distance is beyond this scope, it may cause the aircraft to lose control.
WARNING: Flying it under the strong wind may cause the aircraft to fly beyond the controlling scope and thus may cause losing control of the aircraft.
Flying time: The flying time is about 5-6 minutes (If there is insufficient power with the aircraft, please replace the batteries in time or recharge the aircraft).**Please kindly refer to the instruction manual so as to make sure the correct flying operation.**

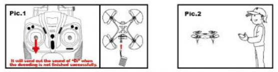


Battery loading

Caution: Please make sure the batteries should be loaded as per the correct polarity shown.



3.Decoding of the aircraft

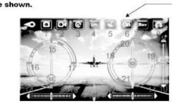


1.OFF state of the transmitter, please pull the throttle lever to the lowest position and then open the back cover of the battery compartment of the aircraft. Please well connect the battery with the power line, then close the back cover of the battery compartment, and then place it on the level ground.Switch on the transmitter and you will hear the sound of "Di, Di", which represents the decoding has been successfully finished.
(Memo: If you fail to pull the throttle lever to the lowest position, the decoding won't be made successfully.)

2.After the success of the frequency of the normal control of the aircraft

4.Connect with WIFI

1. Access into the setting option in the iphone or ipad, open the WIFI and then find the link "cx_wifiufo" to connect with until there is one tick sign "√" appeared, which represents the connection is finished successfully. When finish it, please exit from the Setting Option.
2. Open the software "cx_wifiufo" in the iphone or ipad, click the icon to access into the control panel. (Note: Please make sure this product should be kept far away from any other signal source of WIFI environment when flying.)
3.When the aircraft is controlled by the transmitter, please switch off the control interface of the mobile first. That is to say, click the "ON" icon as the picture shown.



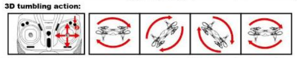
Caution: When the aircraft is controlled by the transmitter, Please make sure the transmitter should be decoded with the aircraft firstly before connecting with the WIFI of the mobile.

5.Basic flying operation

High/Low Speed Mode

Low Speed Mode	Sound of "Di" is for Low Speed Mode.	
Medium Speed Mode	Sound of "Di, Di" is for Medium Speed Mode.	
High Speed Mode	Sound of "Di, Di, Di" is for High Speed Mode.	

3D tumbling action:



Under the state of flying, press the Tumbling Key (it will send out sound of "Di, Di, Di") and reach the full speed, then pull the direction lever and you can make Forward/Backward/Left/Right Tumbling Action. In order to show the Tumbling Effect of this aircraft, we'd suggest that you disassemble the WIFI module when make the 3D flying action so as to get sufficient power.

Operating method

Ascending	When you push the left control lever upward, the hovering speed of the rotor will be increased and the aircraft will start ascending as well.	
Landing	When you pull down the control lever downward, the hovering speed of the rotor will be slowed down and the aircraft will start landing.	
Nose of the aircraft turns left	When you push slowly the left control lever to the left, the nose of the aircraft will be turning left accordingly.	
Nose of the aircraft	When you push slowly the left control lever to the right, the nose of the aircraft will be turning right accordingly.	

Forward	When you push upward the right control lever, the nose of the aircraft will be tilting downward, then the aircraft will be moving forward.	
Backward	When you push down the right control lever, the nose of the aircraft will be tilting downward, then the aircraft will be moving backward.	

Left side-flying

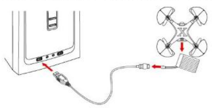
Right side-flying

Introduction on the trimming function of the trimmer

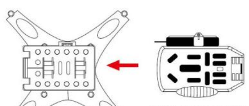
Backward trimming	Forward trimming		Downward trimming
Forward trimming	Backward trimming		Upward trimming
Left side-flying trimming			Left side-flying trimming
Right side-flying trimming			Right side-flying trimming

6. Charging of the aircraft

Remove the batteries from the aircraft and connect it with the charging wire, then insert the USB charging wire into the USB port of the computer or any USB charger. (If the USB indicator is ON, it represents that it is still under charging. If the USB indicator is OFF, it represents that it has been fully charged.) Except for the Apple charger, this USB charging wire can connect with charger or movable power for any other brands of intelligent mobile or conduct charging by connecting with any other USB port of the automobile. The voltage of the USB port connected is +5+0.5V.

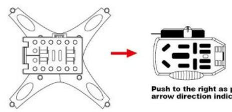


7.Disassembling method of the WIFI Module



Push forward as per the arrow direction indicated.

(Load into the WIFI Module)



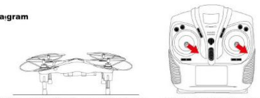
Push to the right as per the arrow direction indicated.

(Disassemble the WIFI Module)

8. Calibration of the aircraft

When the aircraft is collided or appears unstable flying, you need to conduct calibration to the aircraft.
The calibrating method is as below:
(1) When finish decoding, please adjust the High/Low Gear to the position of High while pulling the Left/Right control lever in the same time to the right down corner. Wait till the red indicator of the aircraft appears flashing, that means the calibration is successfully finished.
(2) When calibrating the aircraft, please make sure the aircraft should be placed on the level surface.

Diagram



When calibrating the aircraft, please do place it on the level surface.

Pull the Left/Right control lever in the same time to the right down corner.