# CHUBORY X11 Pro Drone USER MANUAL



## WARNING:

- When taking off, make eure that the operator is 3 meters away from the drone, and keep far away from any crowds and property.
- The players must operate the drone as required by the instructions. Pay attention to the Right safety and understand the accident liability caused by your own negligence!

Please read this manual carefulty before operation and keep it properly for future reference.



Trank you for purchasing our draws. Planes read of methodoline and warrings constally before operating. Places also seen fire instruction method to fidure reference and married process.

### MEDRIANT

- 1. This product is not a row, it is a precision device, integrating machinery and electronics with an electronical such legit frequency between the requires control assembly, and debugging to avoid any excitaint. The user should operate and useful this product is a laboratory and incorrect approach, it may cause excitous egyly or deriving property. It can also be lost due to incorrect approach.
- This product is suitable for who is expenenting in operating those and ago no less than 14 years.
- In the event of a problem during using, ispeciting, or maintenance, please contact the look sales asset or retailer or keep in touch with the responsible staff of our company.
- Simple parts are included with this product. Please place it beguns the couch of the choline.
  In avoid a CHCHING HAZARD or parts being statement equilibrate.

#### INTRODUCTION SAFETY PRECAUTIONS

This RCC flying wooder can be disregerized when in one, phose make turn you been if for away from any persons or specialized when bying, it scened maladation, poor conditions, or users, not favorable with operation may usual derings to the thore or signer people or may cause an onespectual assistant. Please pay close affection to flying safety and it aim to recognize more deringency, conditions which may cause an accordant day to just lawn explication.

. Keep If far muss from any structures or crowds.

This RC those may vary eligibly in apool or sensitivity while thing will can cause polential danger. Therefore, phose heap it for away their crows, havilings, trees, structures, high collage wire, etc. Please also accedifying in adverse weather conditions such as may escalated aborns, and high winds to ensure safety of the user, any epectation, and surface conditions and surrounded property.

Keep II away from any most environment.

The inside of the district is composed of many precision electronic and nechanical parts. Therefore, presse my to avoid any ricesture or eater content from entering the main body of the drone as it may clock a treatistism of the nechanical and executivity parts and thus cause at accident.

Only operate with included parts for intended use.

Please use the original parts for any re-equipping or insonance to ensure thing safety. Please operate and use only under the social of the product function permitted. Using us approved parts will vold warranty. On ret use for any flegal purpose at use travel the social of which your local lives and regulations have allocated.

Avoid controlling it independently

New oters may have certain difficulties throug the early stages of learning to operate this stress. Please by to avoid operating the stone above. Within avoidable, sheaps operate the attenue united the publishes of a more experienced user.

Do not operate under the influence of drugs or alcohol.

Please operate this R/C drone according to your new state and flying skill. Any fallow, but mental state, or incurred operation may increase the probability of accelerate risk.

Please keep a rafe datance from drone when using top speed.

When the strong is Tring, people keep the drops for from the operator and any surmaniling persons or objects on as not to cause danger or danage.

+Bruns it in a upol, dry place

The RIC stone is composed at material such as metal, files; plastic, electronics, etc. Thursdays, pleased issued a sealy front any fixed source said avoid protograph expressive to direct switight. Excussive heat expenses can repose dislating and datings.

## KNOW YOUR X-PRO



- 1. HD common and Girebat 4 Motor
  - 5. Propeller
- 2. Drone top cover 6. Litham baltery
- 3. Battery power lights 7. Drune bollom cover
- B. Logic 9. LED lights (Front: white and rediffack; hiw and rediffolions: white) 10. Tradicty (Degrees 4 seconds take usuall)

## **ACCESSORIES**



8811 Drove x1. (battery included)



Riemante Control x1 thattery not included)



User Marsual at



WaFi Instruction x7



Screw Driver x1



USB Charging the s1

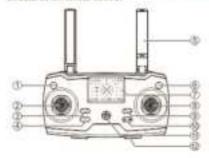


Estra propeters st 2 much of L., R.

Note Prices check the number of accessoring carefully jos shown above). Pressa provide proof of purchase and sortact the store for replacement if any messing parts.

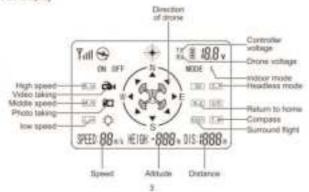
## KNOW YOUR REMOTE CONTROL

#### Structures of remate control



- 1. Burround fight
- 2 Left joyotick/3 Speeds mode (Press down)
- 3. Plandess mode (Alphees 3 seconds)/ Return To Home
- Start (untrick)
- 5 Attenta
- 6. Corpora
- Y. LCD display
- R. Right joysticki First turning (Preise down)
- B. One key ascend? deciment (Abrouse E. auergeld)
- 10. Photo/Wideo Odepress 2 secureto)
- tt. Priver swech (depress 4 seconds)
- 12. Holder for phone
- 13. Camera upward
- 14. Camera thownward

## LCD Disclay



## LITHIUM BUTTERY BUSTRUCTION

Remote control battery installation:

Open the battery count and Heart the 3 AA batteress correctly according to the electropic instructions. (Betterins not included)





## Battery charging for drone







2. Take not harbory.



3. Correct offsam traffory and USB charging interface by USB stvarger



EXPTRICT BUILDING

- There is a contain risk when using liftium battery. It may cause fee, fooly many or properly less. Users must be were of the roles and take full responsibility of using nathery improperty.
- If buttery leakage decurs, please avoid contacting your eyes and eith with electricists. Once it happens, please wash your eyes with clear water and exect medical uses
- Please remove the plug immeriality if you sense any prouter areat, note or smog.

## Battery charging:

- Passar use the charger from original factory to ensure your sale usage.
- Do not charge dilated or outworn battery.
- . Do not over charge battery. Please unditagible charger once fully charged.
- Do not charge the hallery rest to inflammation, such as carpet, timber floor or wood furniture or on the surface of electro-conductive objects.
- Please stazys keep on eye on the battery when charging.
- . Do not charge battery which not cool down yet.
- The charging temperature should be believed 0°C to 40°C.
- •Rechargeable butleries are to be removed from the product before being changed
- Exhausted batteries are to be removed from the product.
- . Supply instruments are not to be short consider.
- The ballary chargers used with the toy are to be requirely expressed for durage. to the need, plug, enclosure and other parts, and in the exact of such damage they must not be used until the damage has been repend.
- Non-recharguable batteries for remote control are not to be recharged.

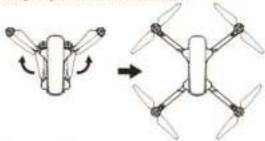
#### Battery recycling

Do not dispose the battery on costs rubbinst: Please familiarize yourself will the incutgettinge disposal restrict and disposal if according to the special requirement.

## PRE-FLIGHT PREPARATION

#### 1. Unfold the drone

First unfold the front two arms (Near the camera), then extend the back two arms. When making folding, fold the back arms first, then the front.



#### 2. Propellers installation







Press down the propeller with the crankshaft and ACREW IL

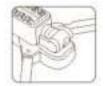


Note: When matering or momenting the propeller, please its not exact force on the properly to avoid distriction.

#### 3. Open the cover of gimbal

Press the clas of the girdust sower and remove it.





### 4. The method to assemble clip on phone







Olp the phone.

### 5. Install APP software and APP operation refer to WIFI INSTRUCTION

#### Pairing controller and drone

- . Place the draws on a level surface, degrees the switch it seconds and switch on it. the rest LEO lights flash.
- . Then switch on the controller, the red lights on the shore go sail. The white and blue lights start to flash, the paiving between controller and drone is successful sutometically.







- A Note: 1. After ewitch the drove, if no operation for 5 minutes, the drove will lies; durinaris and riesel in instant.
  - 2. If no operation for 10 remotes, the motors will alarm and prompt the operator to shut them.

#### 7. Gyro calibration

Gyrn contration could be applied to ensure drone by vertically. Fush the two psysticks to the right corner in the same time. When there are sounds of Dir on controller and the white and blue lights on the drone are quickly fash, then give calibration was successful. Drose must be placed on a level surface and remain stationary while shiftheating.





### 7. Compass (magnetometer) calibration

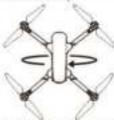
After Gyro calibration, you need to do compass cathrollon by two steps, press the compass key. The choice including faths begin to flash quickly.

 Keep the drawle level and pick up it about 1M height then rutate 3 circles, there is a DI sound and first red and white lights on drawle will turn to solid, the tack lights keep tracking quickly.





From the buttom, hold the drave base-up about 1M height and notate it 3 context. there is a DI sound and horz white lights and task blue light start flashing/all the red. lights turn off), compass calibration is okay.



If the GPS calibration is successful before the company calibration, after the company, calibration, the white and blue lights of the choice will stay on.



## A. Non

- 1. To fly of GPS mode, make sure the GPS signal number is more the 1014/5.
- After ouccaseding GPS calibration, well for 2 minutes to take off, the return to home will be more accurate.

## FLY SAFE







Fly in opier areas

Martain trui

Fly below 150M













Avoid flying over or near obstactes, provids, high over voltage power lines, trees, depuir or bodies; of water, Do not fly near storing electromagnetic sourcass, such as power lines and base stations, as it may affect the oriboard compasse.













Do not use the drone in adverse enabler conditions, such as rain, show, fog and wirst speeds exceeding 10 m/s or 22/mph.







No By zone

Stay away from the rotating propetiers and motors.

## START YOUR FLIGHT



- 1. Only can change remote combolier or mobile phone APP to operate the
- 2. The drawn is not equipped with obstacle-evolderon. please choose a open and wide source for the fight!

#### 1. Take off and landing

Take off: After company calibration , press the key "START" to

smock the drone and post forward the left joyebox to feature drone taxe-on. or just press one key ascend to fly.

Landing: Pull down left grystox to realize drone descending or depress 3 seconds. one key descend to land the drone.



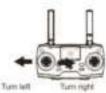
#### 2. Basic flight

The left psyclick controls the flying altitude and direction change and the right psyclickis to control the (Erections Sight).

## Left joystick



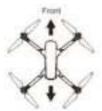


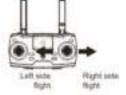




## Flight joyalick









## 3. Fine-tuning function:

- When deviating from course, press down "Fine-tuning" key (Right joyetick) for calibration until the dione is back to normal.
- Press down Fine funing key (Right rocker) than move the right joyattals to front. back, left or right to fine tuning the By direction of the abone.







- 1. Fine ture front f more drifting back:
- 2. First tyrie back if drone drifting front.
- 3. First ture left if drone criting right.
- Fine tune right if strong drifting left.



After pressing the Fine-buting less (Flight rucker), if there is no operation within 3 successful will sprice the fire-leving mode automatically

4. Set 3 speeds mode

Press down 3 speeds mode button (Left joystick), you can hear corresponding aconds, the drove is set 3 speeds mode.



5. Headless made

Digitims 3 accords the "Hamiless trook" key, the controller make accords DCS and blue lightle (back) on shore alort to flesh, shows in now at headless mode, this self look the drune lightly direction, that means no matter which dreation the drune self light always remorables the first self direction. Pressing "Headless mode" 3 seconds again, not this mode.



#### 6. Return to home (RTH)

The return to home (HTH) function brings the drone back to the last recorded home paint. The set 3 types of RTH: Smart RTH / Lose-battery RTH / Faitures RTH

#### Smart RTH

Press the key return to home, there is DI sounds on the controller and the white and, blue spits on the strone start is fash, the drone will return to the take off point. Press the key again, will the mode.



### Low-buttery RTH

- Low-furtiery RTH is suggested when the stone future future; level is low. The stone will fly tack to where away from you about 20 m. You can util control your shore. Pull the invalok cover to fund the drone in a safe way.
- When the drove is under low voltage, the controller will make long "DED" sound, and all the Indicator lights that, white and taked on the drove self flash. LCD somen RX indicates the softage is less than TTV. (Depending on the environment, the value will be vary).

#### Faithafe RTH

Orone will writer faithful HTH mode if the signal of the controller is finit, thorse by took to the record point. Related the controller to the drone if share files into your view. Pull the costs of country for the controller to the drone if share files into your view. Pull the costs of country for the drone in a safe area.

#### 7. sumound flight

- At flight mode press surround flight key (pic.1), the shore looks for its direction automatically.
- Push the right psystick left from the drame by summed counterclockwise. (pc. 2).
- Push the right joystick right front, the drone fly surround clockwise. (pic. 1)



#### 8: Follow me

Foliow invertigate refer to WIFI ENSTRUCTION.

#### 9. Way point flight

Way point flight function refer to WIFI INSTRUCTION.

#### 50. Photo/video taking

- Press "Photo" key on controller to take ofero.
- Depress 3 seconds "Video" lery on controller to searl video taking and depress again to finish.
- Players can view photos and videou in APP or save them on the SD card and read.
  them with a sand reader: SD card and card reader need to be purchased separately.



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# INSTRUCTION (FOR X-PRO)

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## Software installation instructions

#### 1. Install the APP.

Please scan the groods below and download the mobile App on the corresponding website.





KOB.

Andrest/Toogle

- 2. Connect Aircraft WiFi
- (1) Turn on the arrorat power;
- (2) Looking for aroust not spots " sixtrell: "in mobile phone "cetting-wireless LAN":
- (3) Click the retwork (no password), and the phone will be concecled autometrosit;
- 3. The recommended model configuration

#### (1) (05

Conference	Personal	Optional (Secured 195)
Product model	Ffore 6 and above	Phone 7 and above
System version	IOS 9/5 and above	405 9.0 and shove

## (2) Anthoid

Continue		Option Shapper (N)
The CPU model	Briagstragon 830 and above Barnaung Enymns 7428 and above than division Heliq X25 and above Kinn 850 and above	Snapdragon 625 and above Samuring Exprox 6925 and above Mar division Help X30 and above Help 970 and above
Eyelen yerker	Anstrone It if servi above	Android 8:0 and above
Memory size	3G and above	8G and above
OPU mage	Occupancy rate of 25% and between	Disagrancy rate of 10% and below

Clean up the background program, which can effectively reduce the CPC usage.

Tight, Your resides Wi-PI reseals to expoort IEEE 802.11 bight band WLAN.

# Warm Precautions

When the simust is in the following environment, the fixed-point howevery effect is not gived.

Note When the worall is in the lottowing environment, the optical flow of the lower lates is not good enough to hover, which will make it difficult for the extralt to fig smoothly, and the body will be shaken.









## Control Interface-Home

Tom off



# Control interface-control page



## Control interface-function description ( 1 )

WiFi Display chart signal strength:

Satelitle signals | Represents current flight mode and number of satellities; Sontillation means that the current mode is the optical

flow point, without the function of returning, following,

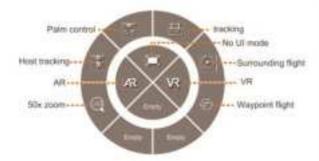
circling and pointing.

Battery: The battery status of the sircyaft.

 2:4 grid indicates the normal power, which can operate the returning, following, circling and pointing flight functions normally in the mode.

(2) 1 grid (Sicker state) represents the current law power state, and the aricraft will perform the automatic course revenue function. There is no following circling and pointing flight function in law power state.

## Control exterface-function description (1)



Pass correct. Click (Pains Control) in systeal New mode, and the assurant

will follow the pains of your hand to fly up and down. (See

the extension description for distalls)

Host tracking. Chick the button in the optical flow mode, the arcroft will

follow the target person flight. (See the extension description

fed obstacle

First part of the country or many the part of the party.

50x zoon After opening, indust the zoon multiples of the lens view

by adjusting the right slide car. After the view is enlarged, the finger slides the visual range of the recoditio view on

the finger skilles the visual range of the recoditio view on the screen.

tracking: In 5 mode, click this buffer and the annuft will follow:

the phone.

No Ul mode : Mide repr-essential Ul controls:

Surrounding flight: the arcraft none will fly around cockwise

or countercheckwise with this current position of the arroraft as the center. During the surround process, you can

constact the rise. Salt, Narward, and reverse to educat.

A Clim into VR mode

Waypoint fight - the arcraft will fly according to the bication-

selected on the map:

Holder Tien on the front pamera partitif opretoller.

## \*Expansion description



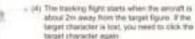
(1) Blue candidate books for the target person appears on the screen.



(2) On the agreen, but your finger to select the target character.



(3) After the target person is looked; the blue box will furn rest. Make sure the red box target character is in the mobile of the sureer



When the red frame is repri than 20% of the human area. the best affect part by achieved

#### Palm Control

- (1) Click the (Pulm Control) button in the uplicel flow mosts:
- (2) Facing the conversities. nivies one hand horizontally:
- (3) When the parm is in the red frame on the App, move the pain genty.

(A) At the deep and age (A) (A) follow the pains of the hand to By sat and down:

When the distance between the pain and the cometa is about him the control effect in book.

## Control interface-function description ( [ )



consected return. One-club return: by \$ mode, slok to return.

flore with one leav-



ressert MV

MV - Cack the button to open the 50's inhirfness

lens can be subbled.



second Belich less

Switch lane: The front lang and the lower



\*\*\*\*\* Photo/video

Photovydan: Click the fruitter to take a photoaccording to the current lane. (front lens or bottom lens); long : press the butter to switch to



SALARAS APROPE

Album: Can view photos and visions.

Calhera.

## \*Multi-lens function description



#### Switzh lens

Careers switching and multi-larm wirelow: (Some models support). In the expended button, you can freely switch the drone's top and bottom. corners, posture-in-picture, GRC lone Mil-Fi senzraff does not support); And combined with the mobile phone camera to realize the free combination

of multiple windows.





#### Switch lenn

Click the "swich lens" button to swich the following 3 functional states successively:

- (1) cedimary front level
- (27 shapene:
- (3) peoling within painting

If the button "weigh lens" is not clicked, the charbacili fugnitions to recented from Earth Purcetions

"PIP (Picture in picture) for fine produce in the picture, you carr view that wideo residly of the common under the encount in real

On the covered page, click to open. the "draw in picture" switch, the lower terro of the aircraft and the video screen captured by the front rens will be displayed together.

(The 48 Jens Wi-F) arresalt is real supported.)

## FCC warning:

- 1. This device should be installed and operated with minimum distance 20cm between the radiator&your body.
- 2. 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.
- 3. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 4. 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.

## Asynthic and PTZ



#### Holder

After the secret lates off, the torder will be dispayed on the eff size of the same of Africa from the delivery that the first ion of the prooff will stoke upward by a certain angles if you recent will be same the state disert. The first ions of the annual first increased to the first ions of the annual first increased to the first ions.



#### Rocker

The refit radius can sciential the supraced, downward movement, lot, and right turn of the arcsett, and the open router can control the Seward, backward recomment of the amount, and tricks also moved the arcsett transits to self-and caps.

Afterdisking Of Individual

eight operar of the somers on the

interface. When you slick to view

argifette or vitten, cours can otherw

physics or oblines to make assess

platforms through 15 or the top-

**FIGTR SOMET** 

control page, enter the aburn.

#### Cessore Phonogenium

Facing the from less, of the camera, the following questions can be triggeted to legger the automatic camera or camera function of the aircraft.



Take Photos by Yeah Crestures Alocal 2th in band of the camers of the associate, must be Yeah gottlers with one hand that After the sircosh associated by recognized the pesture. The countries of 3 percents began to take shallow.



Short Values by Palm Gentures Alpeat 2 meters in from of the around here, such five Regers and one hand flor. After the around has successfully encognized the pasters, the value self-stant.

When the genture is recognized again, elect the recording (The time difference between two manipulate of sould be closed than 2 secureties.)

#### \* Special trainsciture

To ensure that the late gets a higher recognition rate

- 1. Places are the less face to been
- 2. Please fu in a good light priving ment.
- Please conduct general recognition operation at a distance of about 2re from the serie.

In the following cases, if will result in a tree tone recognition rate.

- 1. Week light or backleger
- 2. The WIFI signal is need or the signal is discussed.

## MAV emerhions

#### Country lower

Photo abbath: Mounted lane: Choose waster



#### Plantering picture

Chick this higher to enable the Nutries discreen habiture. At this parts, the finger welfare on this parts the fall the mage, if the larger discrete close anywhere on the present the trage can be magnified in an interest this habiture rise algorites when recentling victims.

#### \*Chance receiv

Resum to the MV imerbook



Tride down to choose more types of music