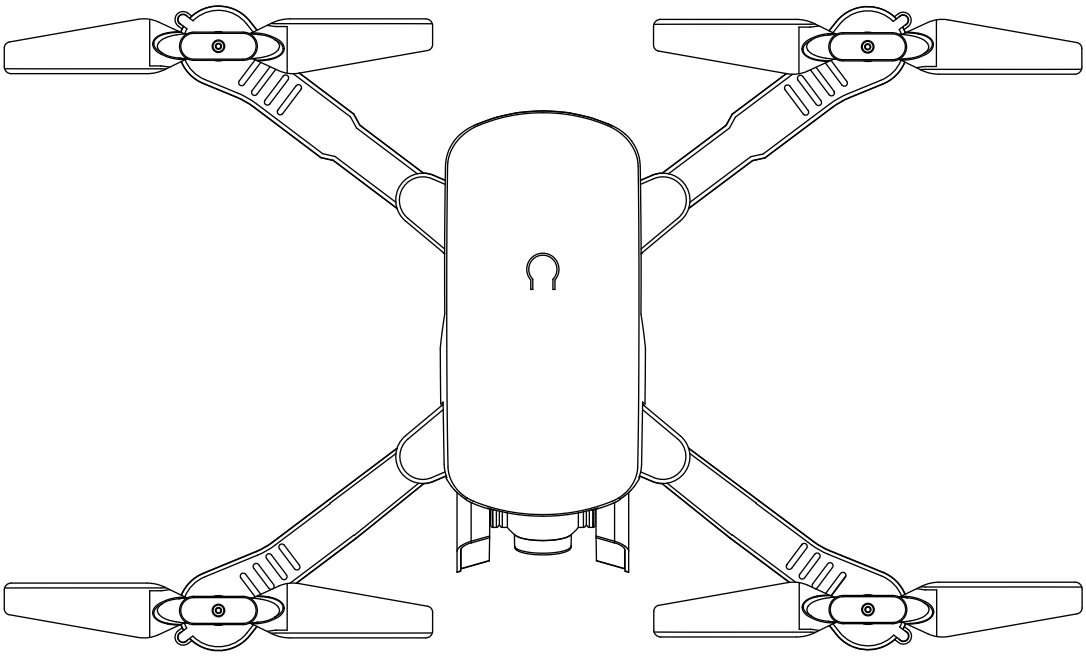
TOMZON

DANGER
Only suitable
for age 14+

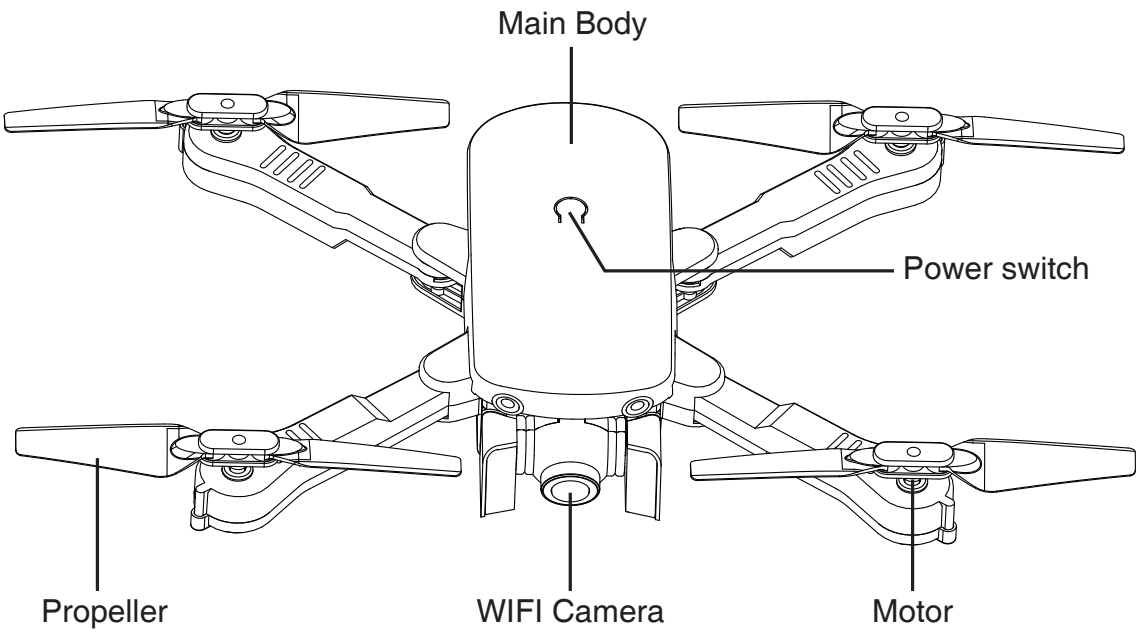
D25 User Manual

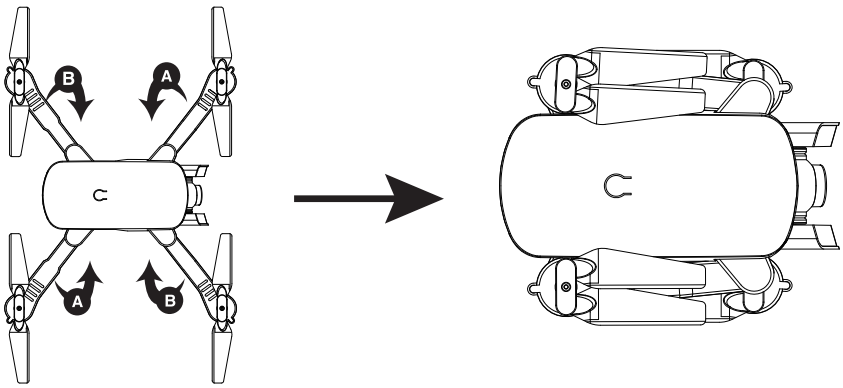


Warning:

The drone is for flying both indoors and outdoors. Please keep away from any obstacles. Keep a fixed distance from people and pets, and do not play in an unsafe environment, such as a heat source, electric wire or power line and some bad weather which may lead to loss of life and property or even electric shock. The wind level is not more than 4 levels.

The product is suitable for children over 14 years old. It is recommended that kid's playing needs an adult's supervision.





Propellers Installation

The propellers need to be replaced in relative positions on the drone. Propeller A must be installed at position A. Propeller B must be installed at position B. If the propeller is replaced in wrong position, the drone will not take off.

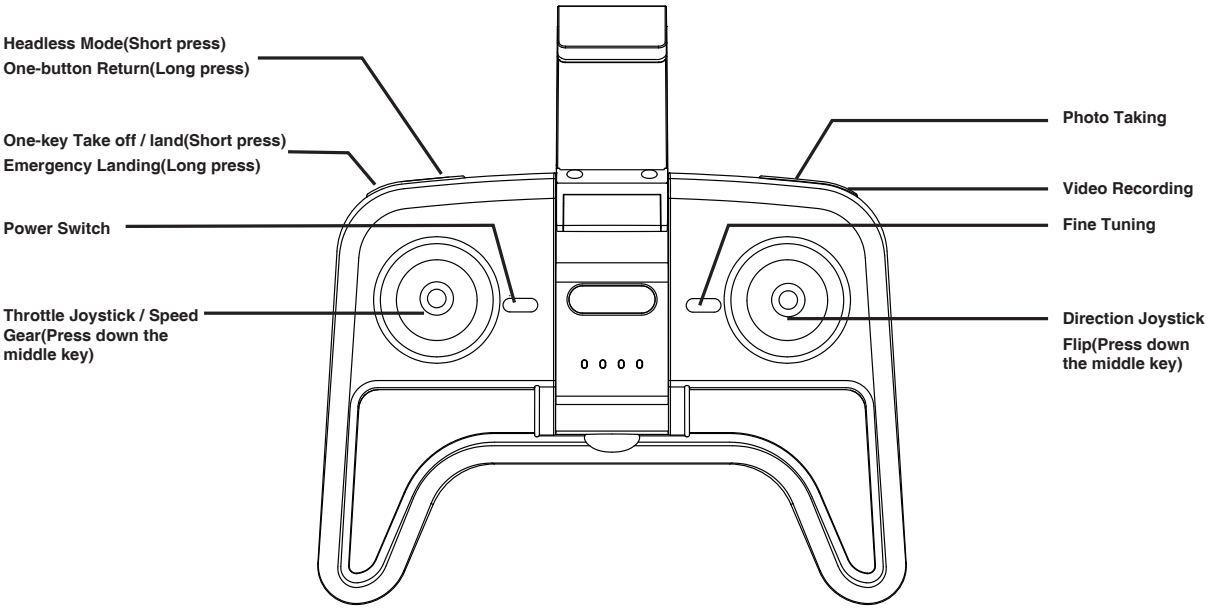
Important Notes

* This product is NOT A TOY. It may cause damage by use it wrongly.
  Please ues this priduct follow by this instruction. And please do not disassemble this product by yourself.
* This flying model requires practice before you use it. Please use the product follow by this instruction and please don't disassemble the product. Otherwise, manufacturer shall not be responsoble any damge pf the product or injury to any person.

Safety

Only fly in a safe area. Do not operate air-conditioned aircraft in or near crowds. RC aircraft is prone to accident, operation error, damage or injury caused by operator's operation error and radio interference during flight, and the pilot shall be responsible for the damage or injury during flight.

Introduction of transmitter



Battery Installation

Open the battery on the back of remote controller. Insert 3 * AA 1.5V batteries in accordance with the instructions on battery box.(Battery should be purchased separately, old and new or different types of batteries shouldn't be mixed.)

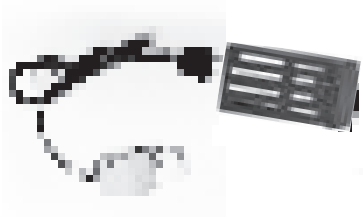
Battery Charging

Please use the packaged charging cable to charge the battery. When charging the indicator light red, and light off when the battery is fully charged. The full charging time takes about 120 minutes.

Charging Saftey Notes

* Different types of batteries or new and old batteries shall not be mixed.
* Non rechargeable batteries shall not be charged;
* Only the charger provided shall be used for charging.
* Install the battery power terminal according to the correct polarity without short circuit.
* Non rechargeable batteries cannot be charged, and rechargeable batteries can only be charged under adult supervision.

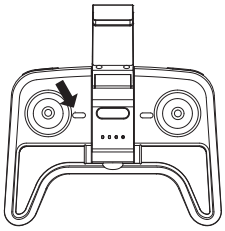
  Do not use the charged battery when charging, and do not leave when charging.
* The U.S. Environmental Protection Agency says the batteries are used.



READY TO FLY

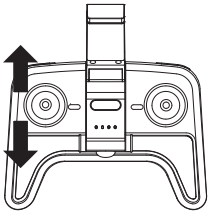
Make sure the propeller is installed correctly and fastened.

1. Press the power button to start the remote control.

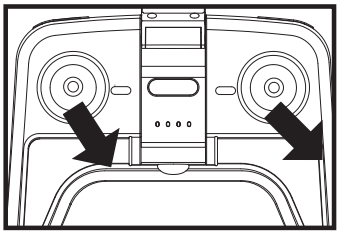


2.Frequency Pairing:

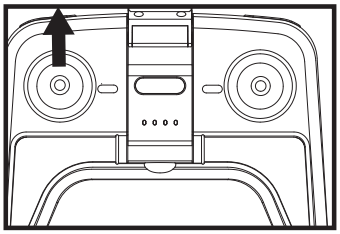
After turning on the remote controller and the drone, push the left joystick forwards and downwards successively. The drone LED lights stably, wait for a few second, the drone is ready to fly.



Take off method 1

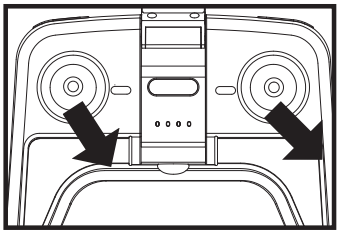


1. Put aircraft in horizontal plane, Push the left and right joysticks to down right corner as the picture shows.

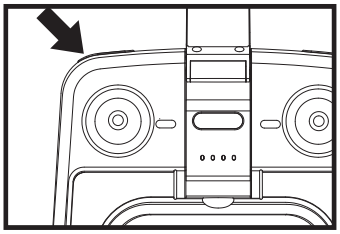


2. Pull the left joystick forwards slowly, the drone will fly up.

Take off method 2

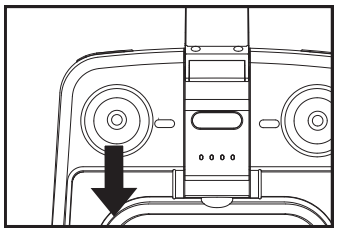


1. Put aircraft in horizontal plane, Push the left and right joysticks to down right corner as the picture shows.

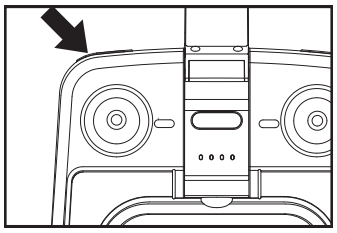


2. Press the "One-button Take off / Land" button to take off the drone.

LANDING METHOD

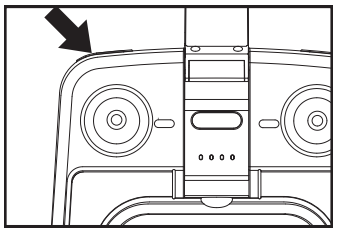


Slowly push down the throttle joystick until the drone lands. Keep the throttle joystick in the lowest position for 3 seconds. The motor stops and the drone lands successfully.



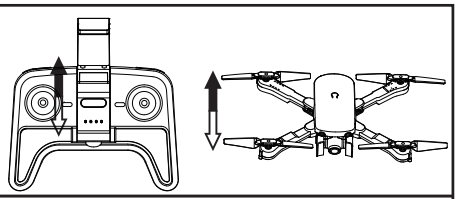
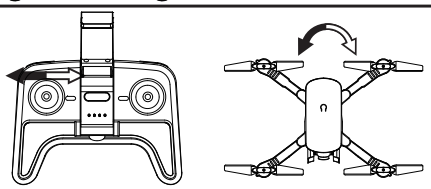
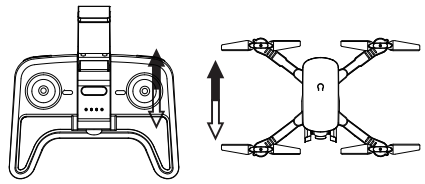
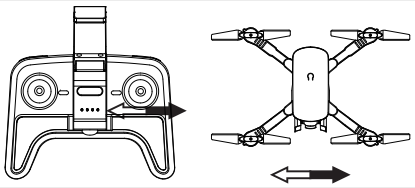
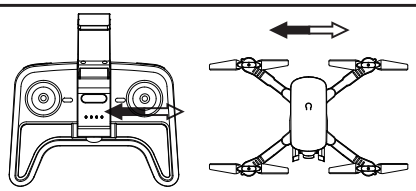
Press the “One-button Take off / land" button and the aircraft will descend automatically.

EMERGENCY LANDING



When the aircraft encountered obstacles or emergency, long press the emergency landing button for 3 seconds, the aircraft can be emergency landing.

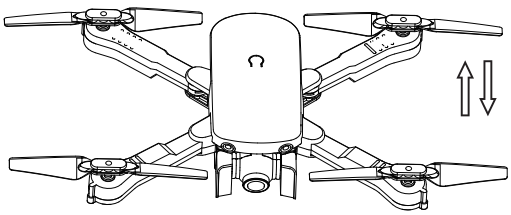
Flying controlled and fine tuning

Ascend/ descend	When the left throttle joystick push up or pull down, the quadcoper is ascending or descending.	
Turning	When push the throttle joystick left / right, the drone will turn left / right.	
Forward/ backward	When push the throttle joystick forwards / backwards, the drone will fly forwards / backwards.	
Side flight	When push the throttle joystick left / right, the drone will perform left / right flying.	
Side flight fine tuning	When the quadcopter is hovering, and the quadcopter is deviate to left or right the turn the Side flight fine tuning to right or left until the quadcopter keeps balance.	

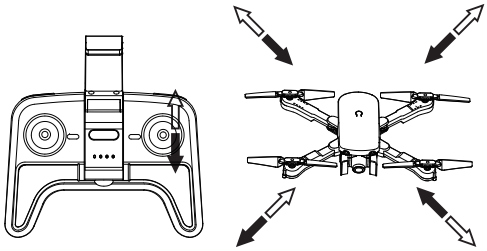
Headless mode: the drone will remember the direction of the nose-facing direction when power on. Please make sure that the nose-facing direction is just in front of your sight. After you switch to headless mode, no matter where your drone's face is pointing, control the left joystick of the remote control to the left, it will always let the drone fly to the left in your current perspective. In other words, headless mode will make the aircraft fly according to the current orientation of the operator rather than its own facing direction.

Flying Operation

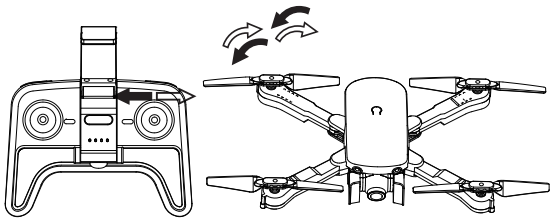
1. Acceleration operation: slowly push the throttle joystick until the quadcoper takes off from the ground and hover in the air, and then pull back the throttle joystick until the quadcopter slowly descends. Repeat until you can control throttle joystick smoothly.



2. Drone forwards and backwards: when the drone is hovering in the air, push the right joystick forwards / backwards and the drone will fly forwards / backwards correspondingly.

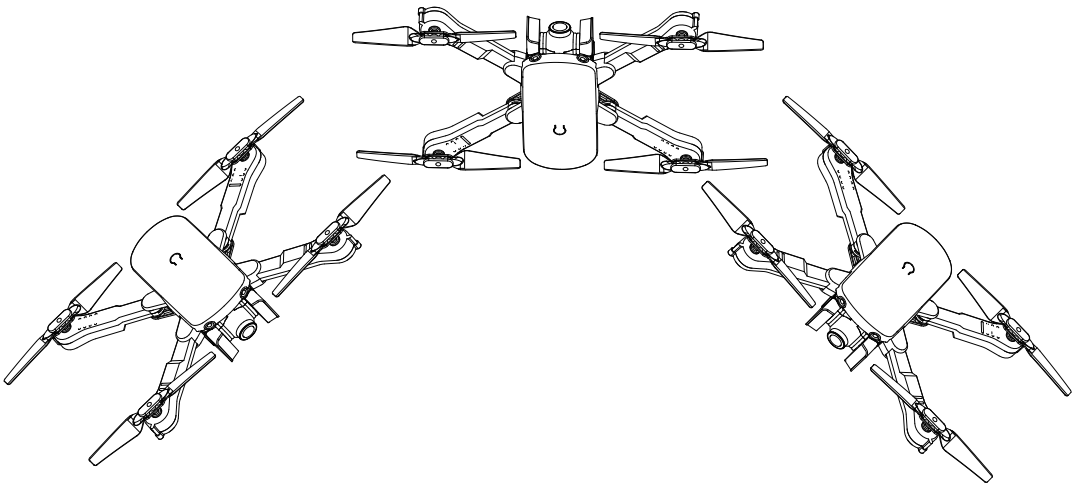


3. Steering operation: when the drone is hovering in the air, push the right joystick left / right and the drone will perform left / right side flight.



4.3 One button 3D Flip the drone

Press down the middle key and hold it, then push the joystick to the left / right and the drone will roll to the left / right.



Tips:

1. When frequency pairing, keep the quad in a horizontal position so that it can match quickly and begin to fly steadily, 2-3m away from the people and other ojects.
2. Indoor flight: please choose a spacious and barrier-free place for flying pets and personnel.
3. Outdoor flight: please choose the flight with good weather such as warm, sunshine and no wind.

Note:

1. Do not fly in extreme weather, otherwise, the drone may be damaged. Extreme hot or cold weather may affect flight performance.
2. Do not fly in moderate or strong wind weather, otherwise it will affect your flight or interfere with your flight control. In strong wings, your aircraft will disappear or be damaged.

Common problem and solution instruction

Problem	Cause	Solution
Can not take off	Battery of quadcopter is not charged completely	Recharge the drone battery
	Main blades rotate too slow	Push up the throttle stick
The blades are not running	Main blade and motor are assembled cohesively	Pull the main blade up to keep in an appropriate state with motor
Main blade rotate but can not take off	Quadcopter battery depleted	Charge or Replace with fully charged battery
	Deformed main blades	Replace main blades
	The blade A and blade B are installed mistakenly.	The blade A and blade B should be installed correctly.
Motor do not respond to throttle stick, recever LED flashed	Drone battery power is depleted.	Fully charge the battery or replace with a fully charged battery
Motors are not running	Get stuck with somthing	Take out the objects that stuck in the motors
	Transmitter fail to connect Drone	Refresh the Drone
	Motor damage or motor line break	Change motor or check the line inside
Out of control	Exceed the effective control distance	Control distance beyond 60m(without interference)
	The throttle stick isn't pulled to the end to complete pairing frequency and the Drone automatically rise	Throttle stick should be pulled to the end during pairing frequency
The Drone was violently shaking or lurched sideways	Main blade be out of shape	Replace the blade
The drone always turns right	The fine-tuning adjustment needs to be done	Do the fine-tuning adjustment
	Damaged main blade	Replace main blade
	Damaged motor	Replace the motor
The drone is still moving forward when hovering after fine tuning	Gyroscope not in horizontal position	Do the fine tuning after drone is hovering stably

DRONE
Flying weight: 115g
Flight time: about 12 minutes
Working ambient temperature: 0~40° C
Working frequency: 2.402 - 2.483GHz

CAMERA
Maximum resolution: 4096*2160
Controllable range of rotation: +0° - 90°
Video resolution: 1920*1080P
Picture format: JPG
Video format: MP4

REMOTE CONTROLLER
Working frequency: 2.402 - 2.483GHz
Maximum effective distance of signal: 60m (under environment with no interference and no occlusion)
Operating voltage / current: 3.7 V / 0.15 A

CHARGER
Rated input: 5V⎓1A
Rated output: 3.7V⎓1A

BATTERY
Capacity: 1100mAh
Voltage: 3.7V
Working environment temperature: -10~40°C

TOMZON	
Model	D25
Manufacturer	DeepSea Innovation Co., LTD
Working frequency	2.402 - 2.483GHz
Battery information	Capacity: 1100mAh, 3.7V
Adapter information	Input: DC 5V-1A
	Output: 3.7V-1A
Address	3rd Floor, Building 4, Silicon Valley Courtyard, Qingquan Road, Shenzhen, CN
EC REP: DST Co., Ltd. Fifth Floor 3 Gower Street,London,WC1E 6HA,UK	

⚠ WARNING

DANGER
Only suitable for age 14+

Warning: The product should only be used by adults and children over 14 years. Adult supervision is required for children under 14 years.
Hinweis: Dieses Produkt ist für die Erwachsene und die Kinder ab 14 Jahren. Die Kinder unter 14 Jahren müssen von Erwachsenen beaufsichtigt werden.
Avertissement: Ce produit est destiné aux adultes et aux enfants de plus de 14 ans. Les enfants de moins de 14 ans doivent être surveillés par des adultes.
Avvertimento: questo prodotto è destinato all'uso per i adulti e bambini di età superiore ai 14 anni. I bambini di età inferiore ai 14 anni devono essere sorvegliati da un adulto.
Advertencia: Este producto es para adultos y niños mayores de 14 años. Los niños menores de 14 años deben ser supervisados por adultos.
警告：この製品は、大人と14歳以上の子供には使用対象です。14歳未満の子供は大人の監視が必要です。

0-3

TOMZON

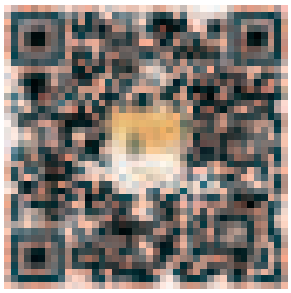
App Instruction

- **App installation instructions**
- **Reminders**
- **Operation interface**
  (1) introduction to the operation interface
  (2) control mode
  (3) interface mode
  (4) function icon
- **MV interface**

App installation instructions

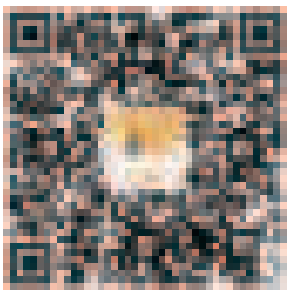
1. Install the mobile client

Please scan the QR code below and download the mobile App on the corresponding website. (you can also search for “ **Tomzon-T** ” in the app marketplace for downloads)



iOS

Android（china）



Android（other）

2. Connect aircraft WiFi

（1）Turn on the aircraft;

（2）Looking for aircraft hot spots in mobile phon“setting-wireless LAN”;

（3）Click the network(no password), an the phone will be connected automatically.

3. The recommended model configuration

(1) iOS

Configuration	Recommended	Optimal
Product model	iPhone 5S/iPhoneSE/iPhone 6S and above	iPhone 7 and above
System version	iOS 8.0 and above	iOS 9.0 and above

(2) Audroid

Configuration	Recommended	Optimal
The CPU model	Snapdragon 630 and above Samsung Exynos 7420 and above Hair division Helio X25 and above Kirin 950 and above	Snapdragon 835 and above Samsung Exynos 8895 and above Hair division Helio X30 and above Kirin 970 and above
System version	Android 5.0 and above	Android 8.0 and above
Memory size	3G and above	6G and above
CPU usage	Occupancy rate of 25% and below	Occupancy rate of 10% and below

Please clear memory of the background program in time to reduce the CPU usage.

Reminder 1

A drone can only be connected with one phone at per flight.

Important Notes:

To ensure a better recognition when perform the hand-gesture functions:
1. Please face to the camera rightly;
2. Please perform these functions in a good light environment;
3. The distance between your hands and the camera should be about 2m.

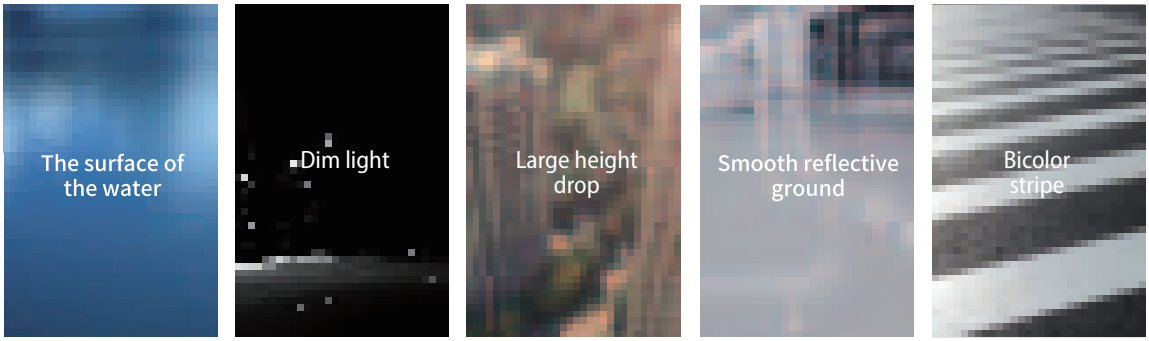
Some situation may result in a low camera recognition:
1. Low light or backlighting;
2. Under weak WiFi signal or the signal is interference.

Image stabilization function(some phone models do not support this feature)

1. Requirements for mobile devices: It is recommended to use the “best configuration” mobile phone of “recommended model configuration” in the manual;
2. It can only be strated under 720P image transmission;
3. When in the anti-shake mode, gesture recognition is turned off The hand-geature modes can not be performed under anti-shake mode.
4. Starting the master following mode and plam following mode or entering MV recording will make the App exit anti-shake function.
5. The anti-shake mode is not working when use the bottom camera.

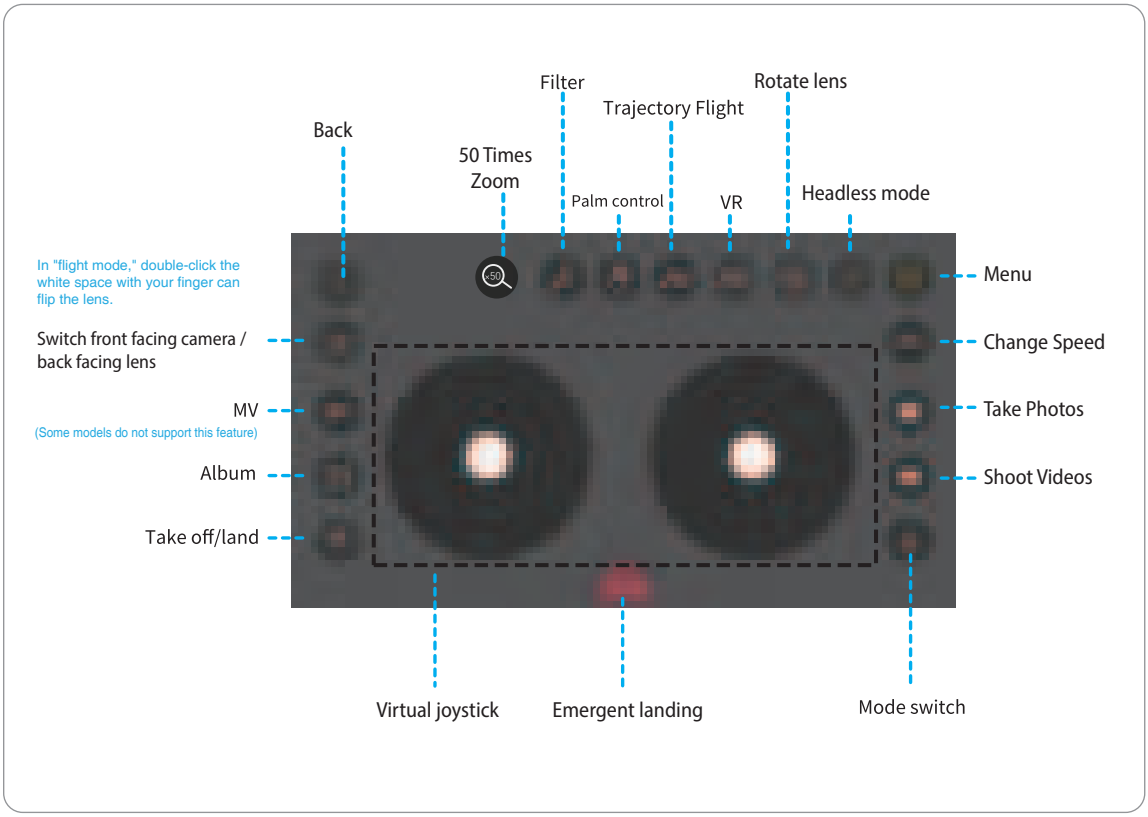
Reminder 2

When flying in the following environment, the drone's fixed-pointed hovering may not be performed successfully.



Operation interface

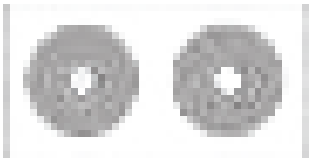
1. Introduction to operation interface



2. Control Mode

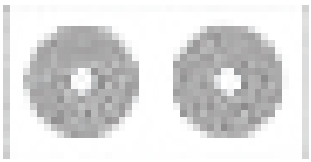
- The controlling mode can be changed in "Setting".

Virtual Joystick Mode



In this mode, the left virtual stick controls the drone up, down, turning left and turning right. The right virtual stick controls forward, backward, left side flight and right side flight.(These operations are under left-hand throttle mode, if the drone is under right-hand throttle mode, then the left and right stick's function should be exchanged)

Hidden Mode



In this mode, the left virtual stick controls up, down, turning left and turning right of the drone; The right virtual stick controls forward, backward, left side flight and right side flight. (Take an example of left-hand throttle mode)

When the thumb touches the phone's screen, it displays the control panel. With the thumb off the screen, the drive is hidden.

3. Interface Mode - Flight Mode

Flight Mode

In flight mode, a number of visual recognition operations can be performed.

Yeah Gestures to Take a Picture: Hold a "Yeah gesture" in front of the camera about 2m; when the camera recognizes the gesture; countdown 3s, the camera begins to take a picture.

Gun-Box Geature to Record a Video: Hold your hands in front of the chin and make a Gun-Box geature in front of the camera, when the camera recognizes the gesture, it starts recording, and the camera recognizes the gesture again to end video recording.(The break between the 2 recognition should more than 3s)

Hand Gesture to Record a Video: Put your single hands face the camera about 2m, when the camera recognizes the gesture, it starts recording, and the camera recognizes the gesture again to end video recording.(The break between the 2 recognition should more than 3s)

Illustration on the Functions of Icon

Other Functional Icon

Perspective conversion 

Perspective conversion

Click the „switch lens„ button to switch the following four functional states in order:

(1) front lens;
(2) bottom camera;
(3) picture in picture;
(4) split screen.

If the button "switch lens" is not clicked, the default function is normal front-lens function.

*PIP（Picture in picture）

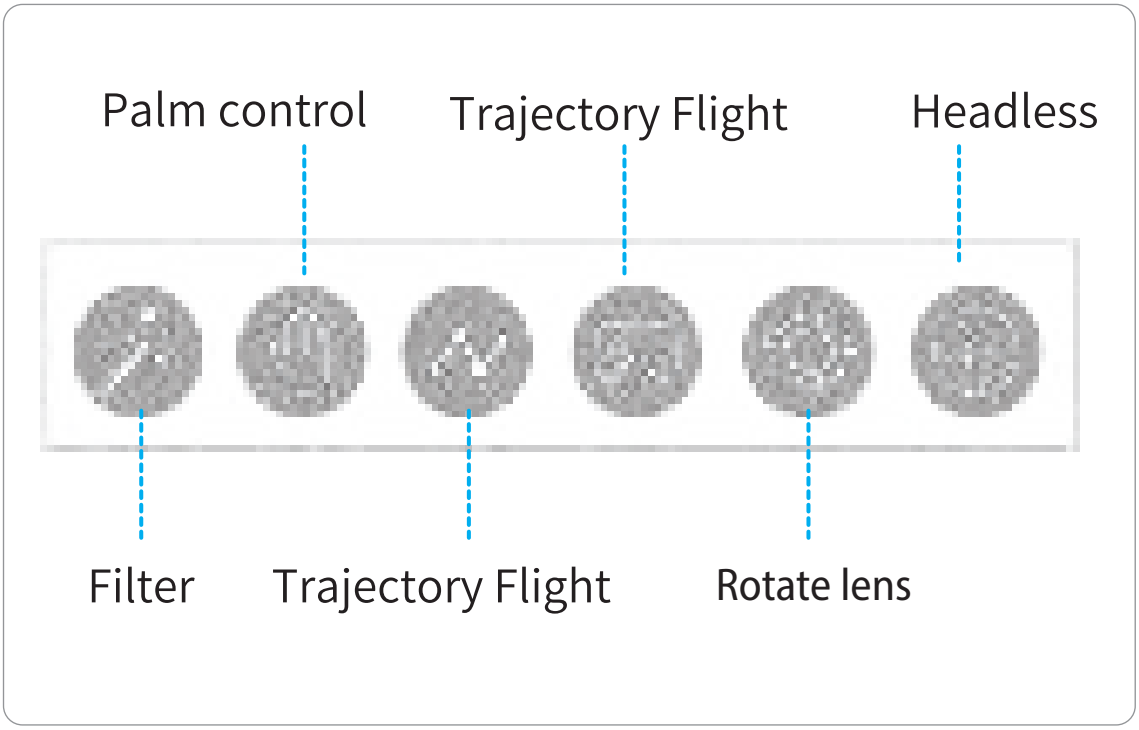
In the "picture in picture", you can view the real-time transmission both from the front camera and the bottom camera together.

*split screen

In the split screen function, you can view the real-time picture captured by the front lens and the bottom lens simultaneously through the left and right screens.

After the picture in picture/split screen is opened, if MV mode is started at this time, MV video of two shots can be recorded simultaneously.

Other Functional Icon



Trajectory Flight

With this function, draw a trajectory in the frame on the right side of the screen, and the aircraft will fly according to this trajectory.

Headless

In this mode, the original directions of the aircraft will be redefined;

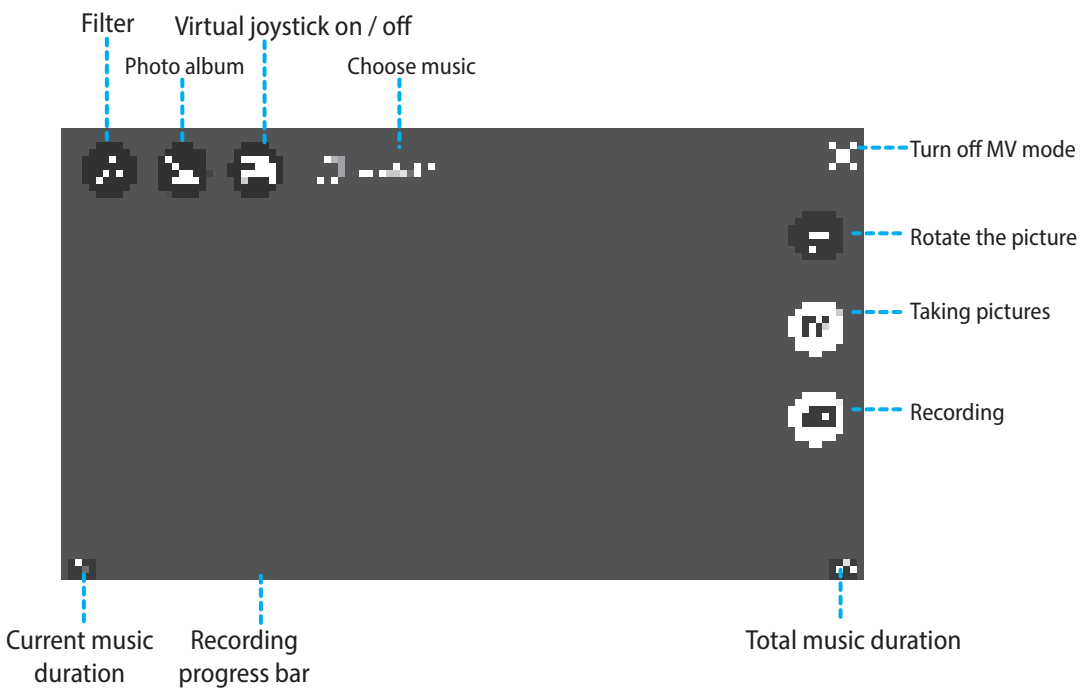
Under this mode, the drone's flight direction is corresponding to the operation's operation direction rather than the drone's nose direction.

The MV interface

Introduction to MV interface

* Rotating picture

Click this button to enable the Rotate Screen feature. At this point, the finger swipes on the screen to rotate the image; if the finger double-clicks anywhere on the screen, the image can be magnified in an instant (this feature also applies when recording video).



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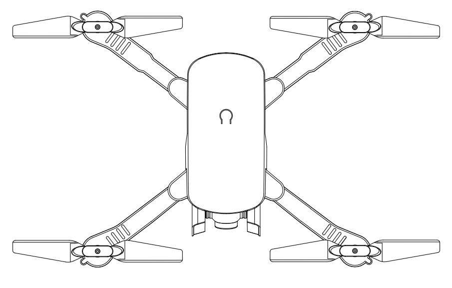
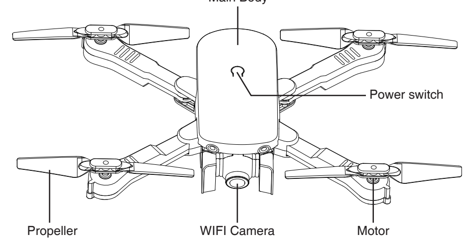
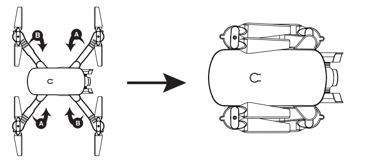


Warning:

The drone is for flying both indoors and outdoors. Please keep away from any obstacles. Keep a fixed distance from people and pets, and do not play in an unsafe environment, such as a heat source, electric wire or power line and some bad weather which may lead to loss of life and property or even electric shock. The wind level is not more than 4 levels.

The product is suitable for children over 14 years old. It is recommended that kid's playing needs an adult's supervision.





Propellers Installation

The propellers need to be replaced in relative positions on the drone. Propeller A must be installed at position A. Propeller B must be installed at position B. If the propeller is replaced in wrong position, the drone will not take off.

Important Notes

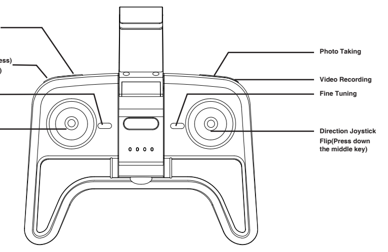
* This product is NOT A TOY. It may cause damage by use it wrongly. Please uses this priduct follow by this instruction. And please do not disassemble this product by yourself.

* This flying model requires practice before you use it. Please use the product follow by this instruction and please don't disassemble the product. Otherwise, manufacturer shall not be responsoble any damge pf the product or injury to any person.

Safety

Only fly in a safe area. Do not operate air-conditioned aircraft in or near crowds. RC aircraft is prone to accident, operation error, damage or injury caused by operator's operation error and radio interference during flight, and the pilot shall be responsible for the damage or injury during flight.

Introduction of transmitter



Headless Mode(Short press)
One-button Return(Long press)
One-key Take off / land(Short press)
Emergency Landing(Long press)
Power Switch
Throttle Joystick / Speed Gear(Press down the middle key)
Photo Taking
Video Recording
Fine Tuning
Direction Joystick
Flip(Press down the middle key)

Battery Installation

Open the battery on the back of remote controller. Insert 3 * AA 1.5V batteries in accordance with the instructions on battery box.(Battery should be purchased separately, old and new or different types of batteries shouldn't be mixed.)

Battery Charging

Please use the packaged charging cable to charge the battery. When charging the indicator light red, and light off when the battery is fully charged. The full charging time takes about 120 minutes.

Charging Saftey Notes

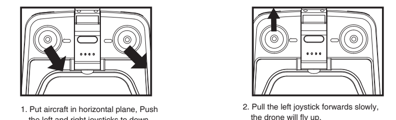
* Different types of batteries or new and old batteries shall not be mixed.
* Non rechargeable batteries shall not be charged;
* Only the charger provided shall be used for charging.
* Install the battery power terminal according to the correct polarity without short circuit.
* Non rechargeable batteries cannot be charged, and rechargeable batteries can only be charged under adult supervision.
Do not use the charged battery when charging, and do not leave when charging.
* The U.S. Environmental Protection Agency says the batteries are used.

READY TO FLY Make sure the propeller is installed correctly and fastened.

1. Press the power button to start the remote control.

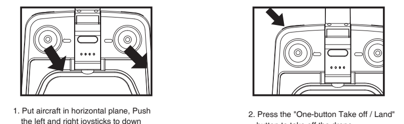
2.Frequency Pairing: After turning on the remote controller and the drone, push the left joystick forwards and downwards successively. The drone LED lights stably, wait for a few second, the drone is ready to fly.

Take off method 1



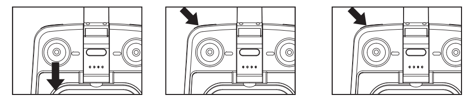
1. Put aircraft in horizontal plane, Push the left and right joysticks to down right corner as the picture shows.
2. Pull the left joystick forwards slowly, the drone will fly up.

Take off method 2



1. Put aircraft in horizontal plane, Push the left and right joysticks to down right corner as the picture shows.
2. Press the "One-button Take off / Land" button to take off the drone.

LANDING METHOD / **EMERGENCY LANDING**

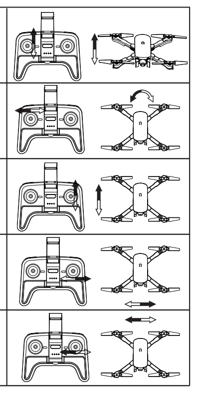


Slowly push down the throttle joystick until the drone lands. Keep the throttle joystick in the lowest position for 3 seconds. The motor stops and the drone lands successfully.

Press the "One-button Take off / land" button and the aircraft will descend automatically.

When the aircraft encountered obstacles or emergency, long press the emergency landing button for 3 seconds, the aircraft can be emergency landing.

Flying controlled and fine tuning

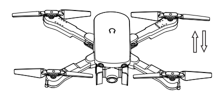


Ascend/ descend	When the left throttle joystick push up or pull down, the quadcoper is ascending or descending.	
Turning	When push the throttle joystick left / right, the drone will turn left / right.	
Forward/ backward	When push the throttle joystick forwards / backwards, the drone will fly forwards / backwards.	
Side flight	When push the throttle joystick left / right, the drone will perform left / right flying.	
Side flight fine tuning	When the quadcopter is hovering, and the quadcopter is deviate to left or right the turn the Side flight fine tuning to right or left until the quadcopter keeps balance.	

Headless mode: the drone will remember the direction of the nose-facing direction when power on. Please make sure that the nose-facing direction is just in front of your sight. After you switch to headless mode, no matter where your drone's face is pointing, control the left joystick of the remote control to the left, it will always let the drone fly to the left in your current perspective. In other words, headless mode will make the aircraft fly according to the current orientation of the operator rather than its own facing direction.

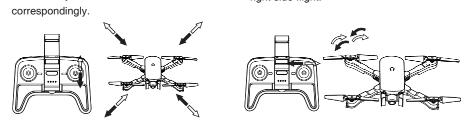
Flying Operation

1. Acceleration operation: slowly push the throttle joystick until the quadcoper takes off from the ground and hover in the air, and then pull back the throttle joystick until the quadcopter slowly descends. Repeat until you can control throttle joystick smoothly.

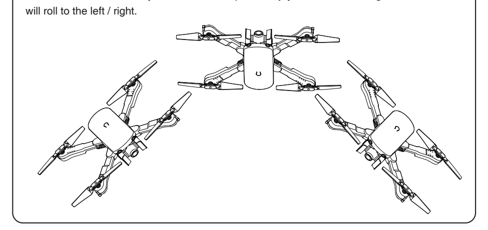


2. Drone forwards and backwards: when the drone is hovering in the air, push the right joystick forwards / backwards and the drone will fly forwards / backwards correspondingly.

3. Steering operation: when the drone is hovering in the air, push the right joystick left / right and the drone will perform left / right side flight.



4.3 One button 3D Flip the drone
Press down the middle key and hold it, then push the joystick to the left / right and the drone will roll to the left / right.



Tips:

1. When frequency pairing, keep the quad in a horizontal position so that it can match quickly and begin to fly steadily, 2-3m away from the people and other ojects.
2. Indoor flight: please choose a spacious and barrier-free place for flying pets and personnel.
3. Outdoor flight: please choose the flight with good weather such as warm, sunshine and no wind.

Note:

1. Do not fly in extreme weather, otherwise, the drone may be damaged. Extreme hot or cold weather may affect flight performance.
2. Do not fly in moderate or strong wind weather, otherwise it will affect your flight or interfere with your flight control. In strong wings, your aircraft will disappear or be damaged.

Common problem and solution instruction

Problem	Cause	Solution
Can not take off	Battery of quadcopter is not charged completely	Recharge the drone battery
	Main blades rotate too slow	Push up the throttle stick
The blades are not running	Main blade and motor are assembled cohesively	Pull the main blade up to keep in an appropriate state with motor
Main blade rotate but can not take off	Quadcopter battery depleted	Charge or Replace with fully charged battery
	Deformed main blades	Replace main blades
	The blade A and blade B are installed mistakenly.	The blade A and blade B should be installed correctly.
Motor do not respond to throttle stick, recever LED flashed	Drone battery power is depleted.	Fully charge the battery or replace with a fully charged battery
Motors are not running	Get stuck with somthing	Take out the objects that stuck in the motors
	Transmitter fail to connect Drone	Refresh the Drone
	Motor damage or motor line break	Change motor or check the line inside
Out of control	Exceed the effective control distance	Control distance beyond 60m(without interference)
	The throttle stick isn't pulled to the end to complete pairing frequency and the Drone automatically rise	Throttle stick should be pulled to the end during pairing frequency
The Drone was violently shaking or lurched sideways	Main blade be out of shape	Replace the blade
The drone always turns right	The fine-tuning adjustment needs to be done	Do the fine-tuning adjustment
	Damaged main blade	Replace main blade
	Damaged motor	Replace the motor
The drone is still moving forward when hovering after fine tuning	Gyroscope not in horizontal position	Do the fine tuning after drone is hovering stably

DRONE
Flying weight: 115g
Flight time: about 12 minutes
Working ambient temperature: 0~40° C
Working frequency: 2.402 - 2.483GHz

CAMERA
Maximum resolution: 4096*2160
Controllable range of rotation: +0° - 90°
Video resolution: 1920*1080P
Picture format: JPG
Video format: MP4

REMOTE CONTROLLER
Working frequency: 2.402 - 2.483GHz
Maximum effective distance of signal: 60m (under environment with no interference and no occlusion)
Operating voltage / current: 3.7 V / 0.15 A

CHARGER
Rated input: 5V⎓1A
Rated output: 3.7V⎓1A

BATTERY
Capacity: 1100mAh
Voltage: 3.7V
Working environment temperature: -10~40°C

TOMZON	
Model	D25
Manufacturer	DeepSea Innovation Co., LTD
Working frequency	2.402 - 2.483GHz
Battery information	Capacity: 1100mAh, 3.7V
Adapter information	Input: DC 5V-1A Output: 3.7V-1A
Address	3rd Floor, Building 4, Silicon Valley Courtyard, Qingquan Road, Shenzhen, CN
EC REP: DST Co., Ltd. Fifth Floor 3 Gower Street,London,WC1E 6HA,UK	

⚠ WARNING — DANGER Only suitable for age 14+

Warning: The product should only be used by adults and children over 14 years. Adult supervision is required for children under 14 years.
Hinweis: Dieses Produkt ist für die Erwachsene und die Kinder ab 14 Jahren. Die Kinder unter 14 Jahren müssen von Erwachsenen beaufsichtigt werden.
Avertissement: Ce produit est destiné aux adultes et aux enfants de plus de 14 ans. Les enfants de moins de 14 ans doivent être surveillés par des adultes.
Avvertimento: questo prodotto è destinato all'uso per i adulti e bambini di età superiore ai 14 anni. I bambini di età inferiore ai 14 anni devono essere sorvegliati da un adulto.
Advertencia: Este producto es para adultos y niños mayores de 14 años. Los niños menores de 14 años deben ser supervisados por adultos.
警告: この製品は、大人と14歳以上の子供には使用対象です。14歳未満の子供は大人の監視が必要です。

正面

TOMZON

App Instruction

- **App installation instructions**
- **Reminders**
- **Operation interface**
  (1) introduction to the operation interface
  (2) control mode
  (3) interface mode
  (4) function icon
- **MV interface**

App installation instructions

1. Install the mobile client

Please scan the QR code below and download the mobile App on the corresponding website. (you can also search for " **Tomzon-T** " in the app marketplace for downloads)

iOS

Android（china） Android（other）

2. Connect aircraft WiFi

（1）Turn on the aircraft;
（2）Looking for aircraft hot spots in mobile phon "setting-wireless LAN";
（3）Click the network(no password), an the phone will be connected automatically.

3. The recommended model configuration

(1) iOS

Configuration	Recommended	Optimal
Product model	iPhone 5S/iPhoneSE/iPhone 6S and above	iPhone 7 and above
System version	iOS 8.0 and above	iOS 9.0 and above

(2) Audroid

Configuration	Recommended	Optimal
The CPU model	Snapdragon 630 and above Samsung Exynos 7420 and above Hair division Helio X25 and above Kirin 950 and above	Snapdragon 835 and above Samsung Exynos 8895 and above Hair division Helio X30 and above Kirin 970 and above
System version	Android 5.0 and above	Android 8.0 and above
Memory size	3G and above	6G and above
CPU usage	Occupancy rate of 25% and below	Occupancy rate of 10% and below

Please clear memory of the background program in time to reduce the CPU usage.

Reminder 1

A drone can only be connected with one phone at per flight.

Important Notes:

To ensure a better recognition when perform the hand-gesture functions:
1. Please face to the camera rightly;
2. Please perform these functions in a good light environment;
3. The distance between your hands and the camera should be about 2m.

Some situation may result in a low camera recognition:
1. Low light or backlighting;
2. Under weak WiFi signal or the signal is interference.

Image stabilization function(some phone models do not support this feature)

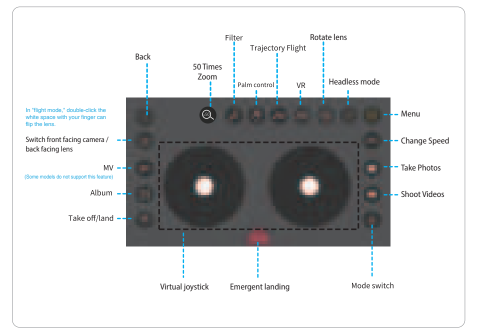
1. Requirements for mobile devices: It is recommended to use the "best configuration" mobile phone of "recommended model configuration" in the manual;
2. It can only be strated under 720P image transmission;
3. When in the anti-shake mode, gesture recognition is turned off The hand-geature modes can not be performed under anti-shake mode.
4. Starting the master following mode and plam following mode or entering MV recording will make the App exit anti-shake function.
5. The anti-shake mode is not working when use the bottom camera.

Reminder 2

When flying in the following environment, the drone's fixed-pointed hovering may not be performed successfully.

Operation interface

1. Introduction to operation interface

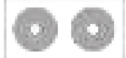


Filter
Rotate lens
Trajectory Flight
Back
50 Times Zoom
Palm control
VR
Headless mode
In "flight mode," double-click the white space with your finger can flip the lens.
Menu
Switch front facing camera / back facing lens
Change Speed
MV
(Some models do not support this feature)
Take Photos
Album
Shoot Videos
Take off/land
Virtual joystick
Emergent landing
Mode switch

2. Control Mode

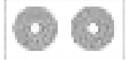
● The controlling mode can be changed in "Setting".

Virtual Joystick Mode



In this mode, the left virtual stick controls the drone up, down, turning left and turning right. The right virtual stick controls forward, backward, left side flight and right side flight.(These operations are under left-hand throttle mode, if the drone is under right-hand throttle mode, then the left and right stick's function should be exchanged)

Hidden Mode



In this mode, the left virtual stick controls up, down, turning left and turning right of the drone; The right virtual stick controls forward, backward, left side flight and right side flight. (Take an example of left-hand throttle mode)

When the thumb touches the phone's screen, it displays the control panel. With the thumb off the screen, the drive is hidden.

3. Interface Mode - Flight Mode

Flight Mode

In flight mode, a number of visual recognition operations can be performed.

Yeah Gestures to Take a Picture: Hold a "Yeah gesture" in front of the camera about 2m; when the camera recognizes the gesture; countdown 3s, the camera begins to take a picture.

Gun-Box Geature to Record a Video: Hold your hands in front of the chin and make a Gun-Box geature in front of the camera, when the camera recognizes the gesture, it starts recording, and the camera recognizes the gesture again to end video recording.(The break between the 2 recognition should more than 3s)

Hand Gesture to Record a Video: Put your single hands face the camera about 2m, when the camera recognizes the gesture, it starts recording, and the camera recognizes the gesture again to end video recording.(The break between the 2 recognition should more than 3s)

Illustration on the Functions of Icon

Other Functional Icon

Perspective conversion

Perspective conversion

Click the "switch lens" button to switch the following four functional states in order:
(1) front lens;
(2) bottom camera;
(3) picture in picture;
(4) split screen.

If the button "switch lens" is not clicked, the default function is normal front-lens function.

***PIP（Picture in picture）**

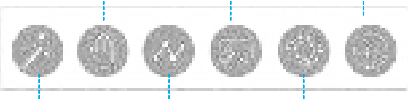
In the "picture in picture", you can view the real-time transmission both from the front camera and the bottom camera together.

***split screen**

In the split screen function, you can view the real-time picture captured by the front lens and the bottom lens simultaneously through the left and right screens.

After the picture in picture/split screen is opened, if MV mode is started at this time, MV video of two shots can be recorded simultaneously.

Other Functional Icon



Trajectory Flight

With this function, draw a trajectory in the frame on the right side of the screen, and the aircraft will fly according to this trajectory.

Headless

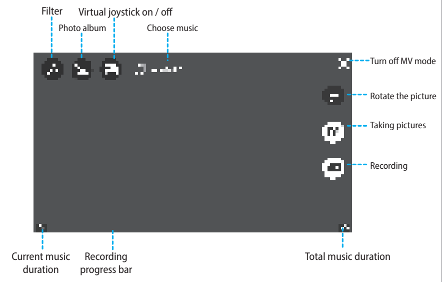
In this mode, the original directions of the aircraft will be redefined; Under this mode, the drone's flight direction is corresponding to the operation's operation direction rather than the drone's nose direction.

The MV interface

Introduction to MV interface

*** Rotating picture**

Click this button to enable the Rotate Screen feature. At this point, the finger swipes on the screen to rotate the image; if the finger double-clicks anywhere on the screen, the image can be magnified in an instant (this feature also applies when recording video).



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