BLUE JAY FPV

Take aerial videos and photos with HD Camera

● Headless Hold ● One Button Take Off / Landing ● Altitude Hold Mode
● 360° Flips ● High / Low Speed Mode ● Low Battery Alarm

Altitude
Hold Mode

U45W

Instruction Manual

Ages 14+

Table of Contents

Important Statement

(1) This product is not a toy but a piece of complicated equipment which is integrated with professional knowledge by mechanic, electronic, air mechanics, high-frequency emission etc. It should be installed and adjusted correctly to avoid accidents. The user must always operate in a safe manner. We undertake no liability for human injury or property damage caused by improper operation, as we have no control over setup, use and operation of this drone.

(2) This drone is suitable for experienced RC drone users aged 14 years or above. Not safe for users under the age of 14 to use.

(3) The flying field must be legally approved by your local government.

(4) UDI RC has entrusted the distributor to provide technical support and after-sale service.
If you have any questions about use, operation, repair etc., please contact USA Toyz at support@usatoyz.com

Safety Precautions:

Improper assembly, broken main drone, defective electronic equipment, or unskilled operation may cause unpredictable accidents such as drone damage or human injury. Pleas pay special attention to the following safety procedures:

(1) Flying Area

The flying field must be legally approved by your local government. Do not fly the drone near in the airport. Keep far away from the airport more than 3.10 miles when flying a RC drone. Flying field must spacious enough and we suggest at least 26.24ft (length)*26.24ft (width)*16.40ft (height).

(2) Keep away from humid environment

The drone is made of precise electronic components. Humidity or water vapor may damage electronic components causing accidents.

(3) Safe operation

Please operate the RC drone in accordance with your flying skills. User fatigue, listlessness, and improper operation may increase the rate of accidents.

(4) Keep away from rotating parts

Rotating parts can cause serious injury and damage. Keep face and body away from rotating motors.

(5) Keep away from heat

The RC drone is made of metal, fiber, plastic, electronic components etc. Keep away from heat and direct sunshine to avoid distortion and damage.

(6) Please do not touch the hot motor to avoid being burnt.

LiPo Battery Care Instructions

Temperature

• Heat is a known factor. If a battery is pushed beyond 60ºC during discharging or charging, problems could occur due to metallic lithium generation, which damages the cell.

• After a flight, you may find your batteries are warm to touch. It may be a good idea to give the batteries a chance to cool down a little before recharging.

Storage:

• Please store batteries at normal room temperature and avoid direct exposure to sunlight or heat. When storing LiPo / Li-Ion batteries for any length of time, they should ideally be stored at a temperature of between 5ºC & 27ºC.

• If you have a battery pack sitting on the shelf, fully charged, never try topping it up till it has been partially or fully discharged!

Usage:

• There should be a time interval between charging and using battery.

• Please make sure you time your flights to leave about 20% power remaining in the batteries (instead of completely draining them down) as that would prolong battery life and you can enjoy more cycles!
If the battery is pushed beyond its limits, the battery could get hot and the performance will drop.

• When using the battery for a long time, the quantity of heat of your battery will increase. If it is sealed, the air inside will inflate rapidly causing heating.

Charging:

• Do NOT overcharge the battery. It may cause overheating and in turn this overheating could damage the unit.

• Never try charging a pack that has been crashed or is damaged, you run the risk of fire! Cells that are obviously swollen or have physical damage should never be used and careful disposal is required, especially if the cells are swollen.

• Try plugging in another charger if one is available and see if the issue persists. If the charger is defective you should discard it immediately and process a warranty return if still under warranty or contact our support team at support@force1rc.com so we can arrange to ship you a replacement charger and/or batteries.

• Remove the battery from the device, inspect the battery and battery connections.

• Ensure there is no damaged to the battery, battery pins or contacts on the device.

• If you have damage to the battery or charging pins, please discontinue use and contact us at support@force1rc.com for repair/ replacement.

• After crashing the quadcopter please check battery connectors and battery properly. If any part is damaged get spare parts from a UDI reseller.

• Please use genuine factory spare parts replacements from UDI RC or Force1RC only.

4

CHARGING INSTUCTIONS FOR DRONE BATTERY

- Connect the drone battery with USB cable first and then choose one of the method as below picture shown to connect with USB plug.

- The red USB indicator light keeps bright when charging. And the light turns green when fully charged.

- Average charging time: 50 minutes

- For faster charging, it is recommended to use a adapter with 5V 2A output current (not included) to charge the battery
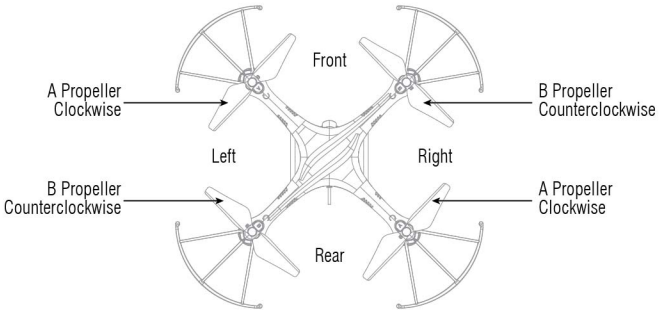

Phone Charger

Power Bank

Computer Charging

Car Charger

Drone Battery
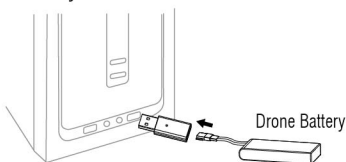
Li-Po Battery Disposal & Recycling

Wasted Lithium-Polymer batteries must not be placed with household trash.
Please contact local environmental or waste agency or the supplier of your
model or your nearest Li-Po battery recycling center.

# Drone and Transmitter Overview

Drone

Front

A Propeller
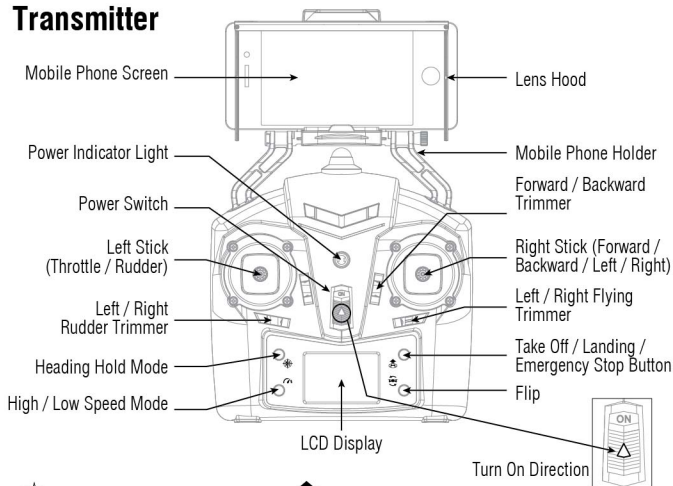Clockwise

B Propeller
Counterclockwise

Left

Right

B Propeller
Counterclockwise

A Propeller
Clockwise

Rear

Max Image

Specifications

Drone Size	14.21" x 13.97" x 4.21"	Charging Time for Drone Battery	60~80 mins
Drone Weight	0.28lbs (4.48oz)	Max Flying Distance/Radius	300 ft.
Propeller Diameter	5.75"	Max Image Transmission Distance/Radius	300 ft.
Flying Time	7~8mins	Camera Resolution	1280x720P
Drone Battery	3.7V 500mAh		

Exploded View
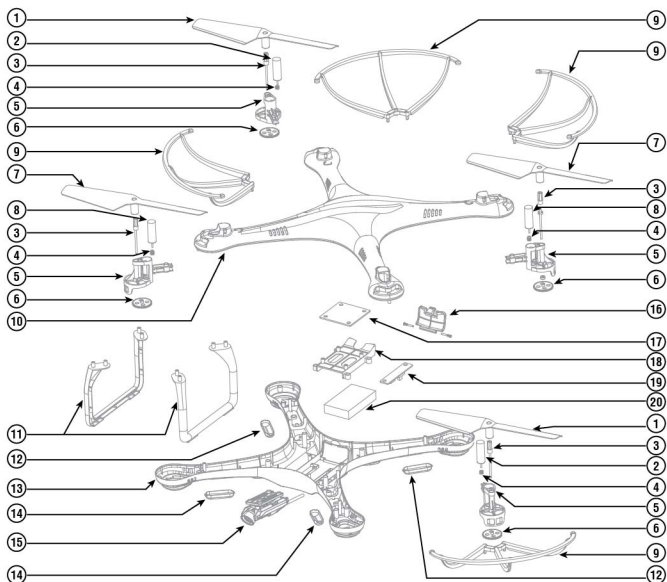
No.	Name	No.	Name
1	A Propeller (Clockwise)	11	Landing Gear
2	Clockwise Motor (Red and Blue Wire)	12	Rear Lamp Cover (Orange)
3	Drive Shaft	13	Lower Cover
4	Motor Gear	14	Front Lamp Cover (Green)
5	Motor Holder	15	WiFi Camera
6	Drive Gear	16	Battery Cover
7	B Propeller (Counterclockwise)	17	Receiving Board
8	Counterclockwise Motor (Black and White Wire)	18	Main Casing
9	Propeller Guard	19	Switch Board
10	Upper Cover	20	Drone Battery

Transmitter

Mobile Phone Screen — Lens Hood

Power Indicator Light — Mobile Phone Holder

Power Switch — Forward / Backward Trimmer

Left Stick (Throttle / Rudder) — Right Stick (Forward / Backward / Left / Right)

Left / Right Rudder Trimmer — Left / Right Flying Trimmer

Heading Hold Mode — Take Off / Landing / Emergency Stop Button

High / Low Speed Mode — Flip

LCD Display

Turn On Direction

ON

Heading Hold Icon

Take Off / Landing / Emergency Stop Icon

High / Low Speed Mode Icon

Flip Mode Icon

Note: Smart phone is not included.

High / Low Speed Mode Indication

Strong/Weak Emission Signal

MODE1

Transmitter Battery Indication

THRO TRIM

50%

Forward / Backward Trimming Indication

Left / Right Rudder Trimming Indication

Left / Right Flying Trimming Indication

Throttle Display
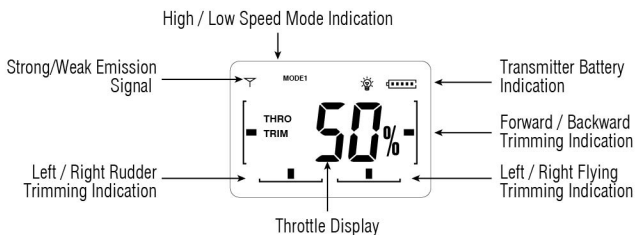
Brief Introduction for Button Functions

Left Stick	Move the Stick to forward / backward / left / right to fly the drone up / down / turn left / turn right.
Right Stick	Move the Stick to forward / backward / left / right to fly the drone forward / backward / left / right.
Left / Right Rudder Trimmer	Move the button till the drone becomes balance if the drone rotates to the left or right.
Forward / Backward Trimmer	Move the button till the drone becomes balance if the drone drifts forward or backward.
Left / Right Flying Trimmer	Move the button till the drone becomes balance if the drone tilts to the left or right.
Power Switch	Push up the power switch to turn on the transmitter, and pull down to turn off.
Heading Hold Mode	Press the button to enter heading hold mode, and press again to exit from heading hold mode.
High / Low Speed Mode	Press this button to switch to High / Low Speed.
Take Off / Landing / Emergency Stop Button	Press the button and the drone will fly up automatically. Press the button again and the drone will landing on the ground automatically. Press and hold the button more than 1s, the drone propellers will stop and fall down immediately.
AFlip Mode	Press this button to do 360°flip.

Transmitter Battery Installation:

Open the battery cover at the back of the transmitter and install 4 AA
alkaline batteries (not included) in accordance with electrode instructions.

Loosen the screw using the
enclosed screwdriver and
open the battery cover.
Tighten the screw after
installing the batteries.

Battery Cover

4 x AA (1.5V)
Alkaline Batteries
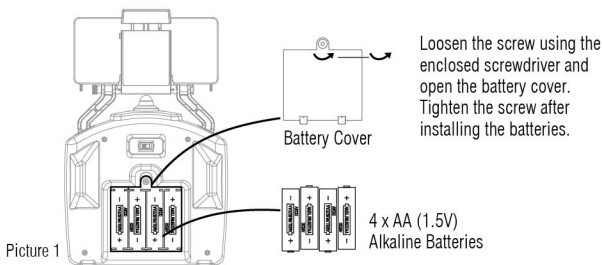
Picture 1

Caution: 1. Make sure the batteries are installed correctly by matching the electrodes.
2. Do not mix new and old batteries.
3. Do not mix different kinds of batteries.

Attaching your Mobile Phone to Transmitter

1. Press the self-locking switch on the top right side of the mobile holder
   and push theholder to a fully open position (Picture 2).

2. Place the mobile phone facing frontward position, pull the mobile phone
   holder down, and press tightly as possible to secure the mobile phone
   and transmitter.(Picture 3)
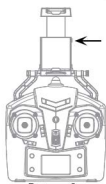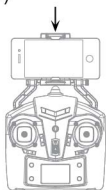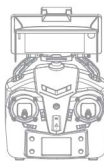
Picture 2   Picture 3   Picture 4

3. Insert the lens hood into the slot and make sure the lower edge of the
lens hood is as close to the mobile phone as possible (Picture 4).

Pre-flight Checklist

1. Flying area must be spacious. We suggest at least 26ft x 26ft x 18ft of flying space.

2. Make sure the drone battery and transmitter battery are fully charged.

3. Make sure the Left Stick of the transmitter in the middle position.

4. Please follow the power on and off instructions closely. Turn on the transmitter
   power first then turn on the drone power before flying. Turn off the drone power
   first and then turn off the transmitter power when you're finished flying. Improper
   powering on and off may cause the drone to fly out of control and crash.

5. Make sure the connection is solid between battery and motor etc. The ongoing vibrations
   may cause a bad connection to the power terminal which could make the drone fly out
   of control.

Pre-flight Operation Instruction

Frequency Pairing

1. Turn on the transmitter switch (Picture 5) and the power indicator light flashes rapidly. Push the Left Stick all the way down to the lowest position and then release. The Left Stick will back to the middle position automatically. (Picture 6 / 7) The power indicator light flashes slowly, which indicates the transmitter is ready for frequency pairing.

2. Install the battery to the mounted box in the drone and then power on the drone.

3. Put the drone on the flat surface, the drone body lights turn from flashing to solid bright, which indicates successful frequency pairing.

Important Notice: Please make sure the drone is placed on the horizontal position after powering on the drone, so that the drone can work well.

Picture 5	Picture 6	Picture 7

Checking

1. The camera is the drone front. Keep the drone front away from you.

2. Power on the drone and check the direction of the rotating propellers. The left front and right rear A propellers rotating clockwise while the right front and left rear B propellers rotating counterclockwise.

3. Move the Left Stick and Right Stick as shown (Picture 8) to start the motor and then release. Then push up the Left Stick to fly up the drone to certain altitude and then release.

Picture 8

4. Push up the Left Stick slowly to fly up the drone, and pull down the Left Stick slowly to the lowest end, then the drone will land on the ground slowly.

5. It's recommend to repeat Steps 4 above to practice.

6. Adjust relative transmitter Trimmer button to adjust the rudder if the drone tilts to one side when flying.
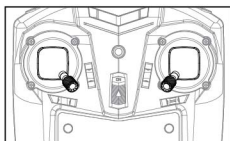
Calibration Instruction

To ensure control of your drone, it is important to always calibrate your drone with your transmitter before flying. Re-calibrating is necessary in the case of difficult operation after take off.

1. Turn off the drone switch and then turn off the transmitter power switch.

2. Turn on the transmitter switch and push the throttle stick all the way up. Now push the throttle stick down (Picture 9 & 10). The transmitter is now paired.
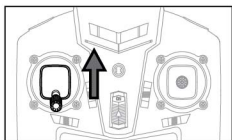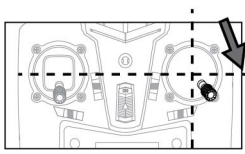

Picture 9
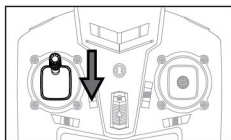
Picture 10

3. Power on the drone and place it on a flat surface in a horizontal position. The back of the drone should face the user and the front of the drone should face forward. You will hear you will hear 3 beeping noises a few seconds later, which indicates a successful pairing.
   The drone light will turn solid.

4. Do not move the Throttle Stick before successful calibration. Push the Forward/Backward/Left/Right Stick as shown below (See Picture 11). The drone light will flash, which indicates that the drone is calibrating. When the drone light remains solid, your drone is ready to fly.

Picture 11

Functions Introduction

Two Take Off Modes

1. **Two button take off:** Push the Left Stick and Right Stick as shown in Picture 12 to start the motor, release the buttons, then push up the Left Stick to fly the drone up to a certain altitude and then release the stick.
2. **One button take off:** Press the Take Off / Landing / Emergency Shut Down button, the drone will automatically fly up and remain at a flying altitude of 4 feet.
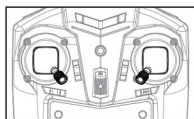
Off / Landing / Emergency Landing Button

Picture 12

Three Landing Modes

1. **Standard landing:** Push the Left Stick all the way down to the lowest position and hold it until the motors stop and the drone lands on the ground.
2. **One button landing:** Press the Take Off / Landing / Emergency Shut Down button once and the drone will automatically descend slowly until it lands on the ground.
3. **Emergency landing:** If you find yourself in a situation where you need to perform an emergency landing, press the Take Off / Landing / Emergency Shut Down button immediately and hold it for about 1 second. The motor will stop immediately and the drone will land on the ground.

Altitude Hold Mode

Altitude hold mode allows the drone to maintain a consistent altitude while still allowing the operator to use normal flying functions. This function makes flying the drone much easier for beginners and allows for better quality of aerial photography.
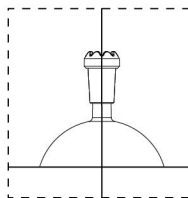
Altitude Hold Center

To activate the Altitude Hold function, push the Left Stick up or down to fly the drone up or down at a certain altitude of choice, then release the stick back to the center position as shown in the image to the right. The drone will continue to fly at the current altitude. Repeat the steps below if you want to change the drone altitude.

High / Low Speed Mode

By default, the drone is in Low Speed Mode. Press the High / Low Speed Mode button and the transmitter will beep and enter High Speed Mode.

MODE 1: Low Speed Mode is suitable for beginners.
**MODE 2:** High Speed Mode is suitable for experts.
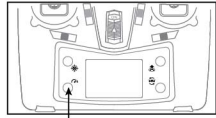
High / Low Speed Mode

Flip Mode

To do flips, first press the Flip Mode button on your controller, you will hear a constant beep noise which indicates that the drone is ready to flip. Push the Right Stick to the utmost direction of your choice and the drone will flip accordingly. After the drone performs 1 flip, the drone will automatically exit from flip mode.

Note: The flip function is unavailable when the drone battery is low and also during Headless Mode.
Warning: Your flying field must be spacious while performing flips.
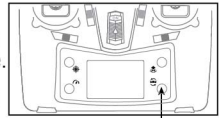
Flip Mode

Headless Mode

Drones generally have a front and back indicated by LED lights or colored propellers. Before take off, users are instructed to position the head of the drone away from the user. When flown in daylight or at a far distance, determining which side is the front or back becomes difficult.

When the drone is in Headless Mode, push the Right Stick forward/backward/left/right and the drone will fly accordingly.

Prerequisite: Position the drone in such a way that its front is your front (see Picture 1).
Tip: Do not change the orientation of the transmitter (see Picture 2) after entering headless mode.

Picture 1

Picture 2
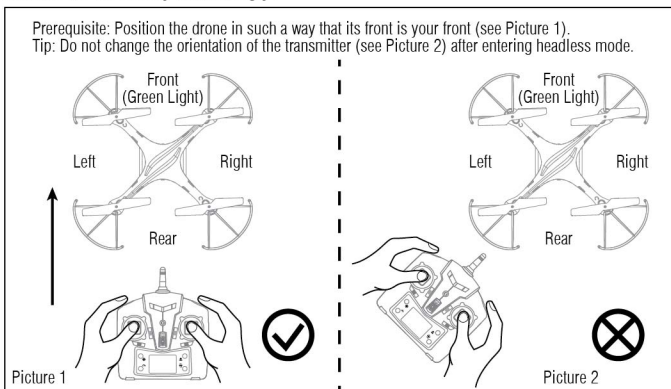
To turn on Headless Mode: Press the Headless Mode button. The LED light of your drone will flash which indicates the drone has entered Headless Mode.

To turn off Headless Mode: Press the Headless Mode button again and the drone LED lights will remain a solid light which indicates that the Headless Mode is off.

Headless Mode Button
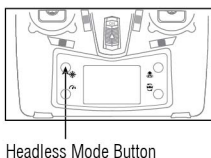
Low Battery Alarm

When the drone battery is low, the transmitter will constantly beep to remind the user to land the drone as soon as possible. The flip function will turn off automatically when the drone battery is low.

Out of Range Alarm
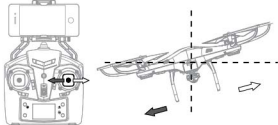
When the drone flies out of the the max remote control distance (300 ft.), the transmitter will beep to alarm the user to fly the drone back immediately. If ignored, the drone may lose control and fly away.

Motor Protection Function
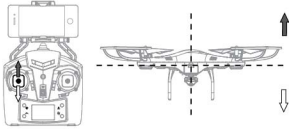
1. When the propeller is stuck, the drone body lights will flash rapidly and the Motor Protection Function will automatically turn on. The motor will then stop.

2. To turn off the Motor Protection Function, move the left stick to the lowest position. The drone body lights will turn to a solid light to signal that the drone is ready to fly.

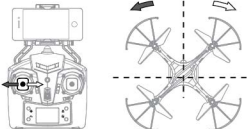14

Basic Flight Controls

(1). To fly to the left or right

Move the Right Stick to the left to fly the drone to the left, and move the Right Stick to the right to fly the drone to the right.
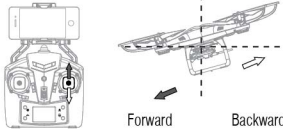
(2). To fly up or down

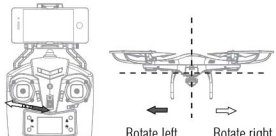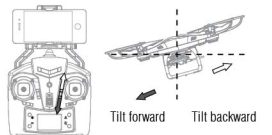Push the Left Stick up to fly the drone up, and pull the Throttle Stick down to fly the drone down.

(3). To rotate to the left or right

Move the Left Stick to the left to rotate the drone to the left, and move the Throttle Stick to the right to rotate the drone to the right.

(4). To fly forward or backward

Forward   Backward

Push the Right Stick up to fly the drone forward, and pull the Right Stick down to fly the drone backward.

(5). If the drone rotates to the left or right when taking off
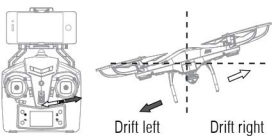
Rotate left   Rotate right

Left / Right Rudder Trim

Adjust the Left / Right Rudder Trim to the right if the drone rotates to the left when taking off, and adjust trim to the left if drone rotates to the right.

(6). If the drone tilts forward or backward when taking off

Tilt forward   Tilt backward

Forward / Backward Trim

Adjust the Forward / Backward Trim backwards if the drone drifts forward when taking off, and adjust trim forwards if drone drifts backwards

(7). If the drone tilts to the left or right when taking off

Drift left   Drift right

Left / Right Flying Trim

Adjust the Left / Right Flying Trim to the right if the drone drifts to the left when taking off, and adjust trim to the left if drone drifts to the right

Spare Parts Installation Instruction

Propeller Installation Diagram

1. Move the screw driver in a counterclockwise direction to remove the screw.

2. Pull up the propeller and take it out as shown in Picture 14.

3. Replace the damaged propeller with a new one. Aim at the propeller hole wit the screw hole, move the screw driver in clockwise direction to lock the screw.
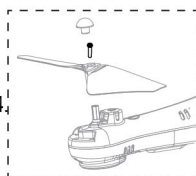
Picture 14

Propeller Guard Installation Diagram

1. Install the propeller guard to the drone and lock the propeller guard by attached screws as shown in Picture 15.
2. Remove the screw from the propeller guard and pull out the propeller guard with moderate force.

Note: Flying the drone without the propeller guard can improve power and flight time.
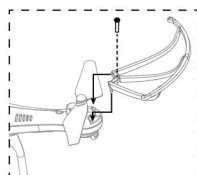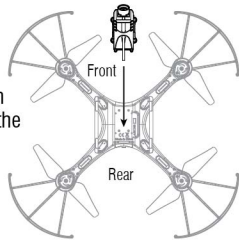

Picture 15

Camera Installation Diagram

1. To install the camera, match the upper flat portion of the camera with the notches on the bottom of the drone and gently clip into place by applying moderate pressure
2. To remove the camera, securely hold the camera and gently slide out from the drone body while applying moderate pressure

Front

Rear

Landing Gear Installation Diagram

1. To install the landing gear, insert the landing gear's pillars into the drone body holes with moderate force as the diagram shows.
2. Then secure the landing gear by affixing screws
3. To remove the landing gear, first remove the screws and then pull out the landing gear with moderate force.
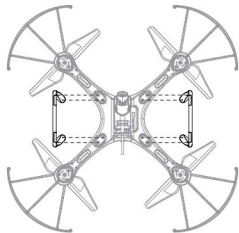
Note: Please ensure the landing gear is level when placed on the ground. Otherwise the stability of the drone would be effected.

Getting To Know Your App

1. Download and Install the APP: Flyingsee

The App is compatible with mobile phones running iOS or Android.
Please download the app from the App Store or Google Play:

1. Scan the QR code below or the QR code on the product box
   to download the App: (Picture 14, Picture 15 and Picture 16)
2. iOS system: please search Flyingsee in APP Store.
3. Android system: please search Flyingsee in Google Play.

2. Frequency Pairing between Mobile Phone and Drone WiFi:

1. Install the battery to the mounted box and power on the drone. Put the drone on
   a flat surface in a horizontal position.

2. Make sure your Wifi settings are turned on your mobile device and connect to the
   wifi name: udirc-***. Return to your home screen after successful connection.

3. Click on the Flyingsee app and click on ◀◆▶ to enter remote control interface
   to experience real time transmission.

Flyingsee

Click on the icon   Home Page   Real time Transmission Interface

4. Click on ⊕ ⊕ ◻ to enter Virtual Control Interface. At this time the
   drone LED lights will change from flashing to a solid light, which indicates
   successful frequency pairing. The drone is now ready to be controlled via APP.

Virtual Control Interface
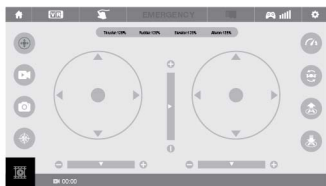
Important Tip: Ensure that the drone is on a flat surface in a horizontal position
when pairing or the drone may not pair properly.

3. Introduction for APP Icons

1. Home Page Icons

 Explore UDIRC Drone

 Help

 Learn the operation of Drone

 Media

 Remote control interface

2. Remote Control Interface

Home Page Icon

Click on the icon to go back to the home page

Virtual Reality Mode

Click on the icon to enter virtual reality mode to experience first person view (only available when using with a VR headset). Click on the icon again to exit from virtual reality mode.

Flight Route Setting Mode

When you click on this icon, it will turn red. Draw a flight route in the right area. The drone will fly according to the flight route. Click on the icon again to exit from Flight Route Setting Mode. The icon will turn white.

EMERGENCY Emergency Stop

The icon is red by default. Click this icon and the propellers will stop immediately. The drone will fall down to the ground immediately.

Tip: Do not use the emergency stop function unless in emergency situation.

SD Card

If there is no SD Card in the drone, the icon shows as . If there is an SD Card in the drone, the icon shows as .
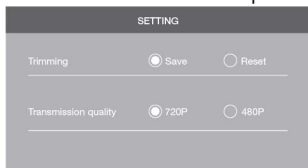
Remote Control Signal

To show the drone's WiFi signal strength.

Setting

Click on this icon to set some parameters, and click again to exit.

SETTING		
Trimming	◉ Save	◯ Reset
Transmission quality	◉ 720P	◯ 480P

Click on "Save" to save trimming setting. Choose "Reset" for factory reset.

Click on "720P" or "480P" to choose real time transmission resolution.
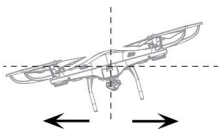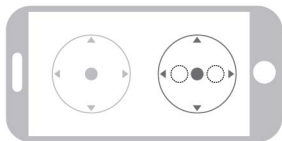
Remote Control

Virtual Control Stick

The virtual control stick is hidden by default. Click on the icon to turn on the virtual control stick.

Gravity Induction Mode

Click on this icon to enter gravity induction control mode. (only available for flying left / right and forward / backward). Click on the icon again to exit from gravity induction control mode.

If the mobile phone shakes to the left / right, the Right Ball will move accordingly causing the drone to fly left / right.
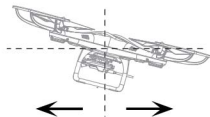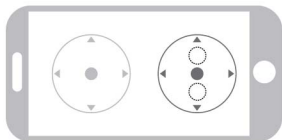
If the mobile phone shakes to forward / backward, the Right Ball will roll forward / backward, causing the drone to fly forward / backward.

Video

Click on this icon to record video. The recording time will show at the bottom of the screen. Click on this icon again to finish recording.

Photo
Click on this icon to take photo.

Heading Hold Mode
Click on this icon and it turns red, which indicates that the drone has entered Headless Mode. Click again to exit from Headless Mode. The icon turns white.

Media
Click on this icon to view or delete the aerial video and photo. Click on the arrow to exit.

High / Low Speed Mode
By default, the drone is in Low Speed Mode "L". Click on "H" to enter High Speed Mode.

Flip Mode
Click this icon, the drone will do 360° flip and the icon will turn red shortly.

One Button Take Off
Click on this icon and it turns red shortly. The drone will fly up automatically and stay flying at a altitude of 3.9 ft.

One Button Landing
Click on this icon and the icon turns red, the drone will fly down slowly and land on the ground. All propellers also will stop.

4. Calibration Instruction
If the drone becomes imbalanced after crashing during the flight, and can not be adjusted by trimmer button and cause difficult operation, please calibrate the drone.
1. Please refer to the Frequency Pairing between Mobile Phone and Drone WiFi to calibrate the drone.
2. Do not push the Left Ball before successful calibration. Move the Right Ball as the picture shown on the right. The drone body lights flash, which indicates that the drone is calibrating. When the drone body lights get solid, which indicates successful calibration and the drone is ready to be controlled.
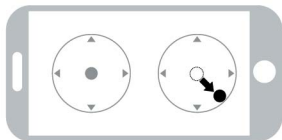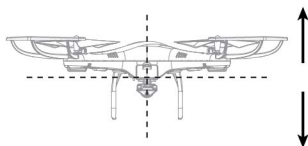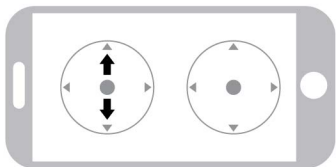
5. APP Flying Control
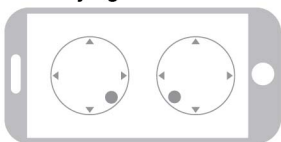
Move the Left Ball and Right Ball at the same time to start the drone as picture shown. Or click the One Button Take Off icon to start the drone.
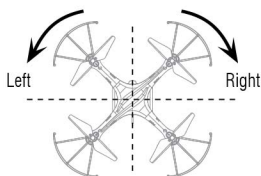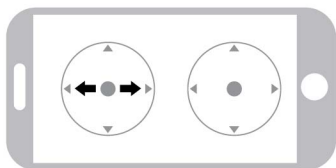
To fly up or down:

Move the Left Ball up to fly the drone up and move the Left Ball down to fly the drone back down. The drone will stay flying at appointed altitude.
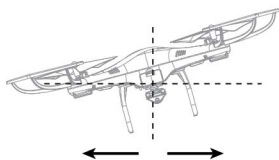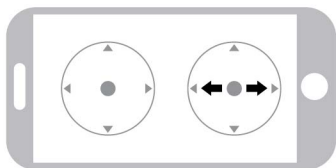

To rotate left or right:

Move the Left Ball to the left to rotate the drone to the left. Move the Left Ball to the right to rotate the drone to the right.
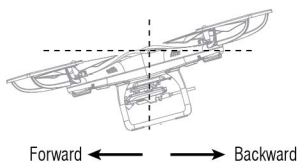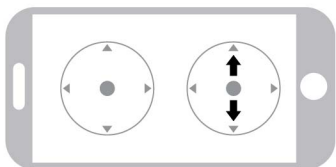

Left   Right

To fly right or left:

Move the Right Ball to the left to fly the drone to the left, and move the Right Ball to the right to fly the drone to the right.


To fly forward or backward:

Move the Right Ball up to fly the drone forward, and move the Right Ball down to fly the drone backwards.

Forward ◄——   ——► Backward

6. Trimming Adjustment

If the drone tilts forward or backward

Click the "-" of the Forward / Backward Trimmer to adjust the drone till balance if the drone tilts forward. Click the "+" to adjust the drone till balance if the drone tilts backward.
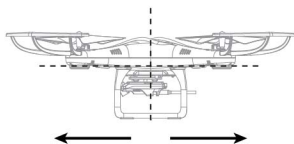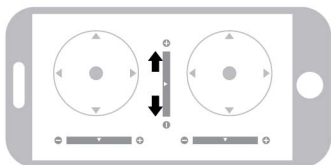
If the drone rotates to left or right

Click the "+" of the Left / Right Rudder Trimmer till balance if the drone rotates left. Click the "-" to adjust the drone till balance if the drone rotates right.
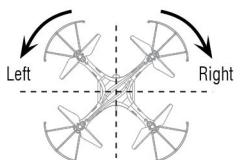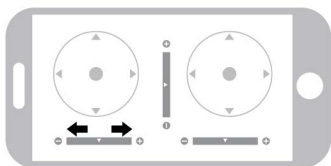
If the drone tilts to the left or right

Click the "+" of the Left / Right Flying Trimmer till balance if the drone tilts to the left. Click the "-" to adjust the drone till balance if the drone tilts to the right.
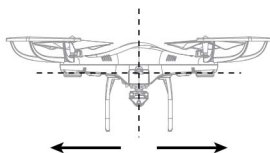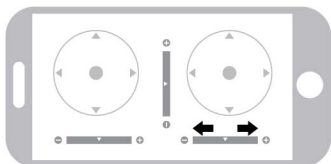
Note:
1. If you can not find the WiFi signal to connect, turn off WiFi and turn on again to search and connect.
2. The available WiFi control radius/distance is 40m, please control the drone within this range.
3. When changing control method from mobile phone to transmitter, exit from the APP.

7. Media
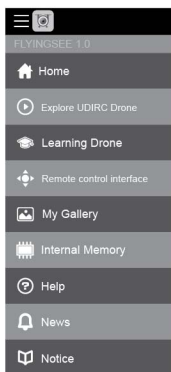
To view the photos and videos.

To view the aerial photography dates saved in the TF card.

Main Menu   Media Interface

Tip: You will need to authorize the APP to read your phone's media data. If you don't, you may be unable to view the aerial photography.

8. To take photo and record video

1. Insert the SD card to the slot in accordance with Picture 16. Make sure the metal side of the card faces up as the picture.

2. The aerial photo will be saved in your mobile phone and the SD card, while the video will only be saved in the memory card. You can download the video to the mobile phone only when the mobile phone is connecting with the drone WiFi and the memory card.

Tip: Click on the video icon to save a video when ending recording, or the video cannot be saved.

3. Power off the drone first when finishing aerial photography. Take out SD card and insert the card to a card reader. Connect the card reader with a computer USB port. After a while, view the aerial photography data from "my computer"-"mobile disk".
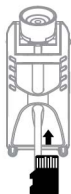
Picture 16

Tip: Please play the video or photo after coping all aerial photography data to computer and make sure the play software can support AVI format.

Basic parameter for aerial camera: Video DPI 1280*720P;
Image Size 1280*720P.

Spare Parts

For convenience, the spare parts are listed for you to choose, which can be purchased from the local seller.

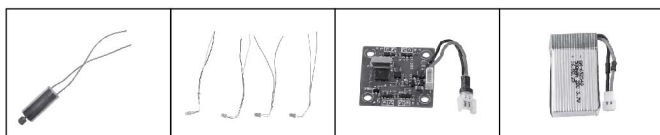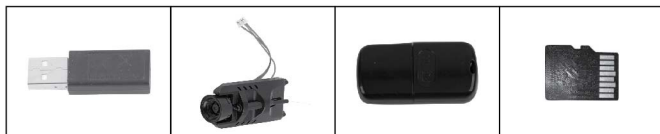|			
U45W-01 Upper Cover	U45W-02 Lower Cover	U45W-03 Propeller	U45W-04 Propeller Guard
U45W-05 Landing Gear	U45W-06 Main Casing	U45W-07 Lamp Cover	U45W-08 Clockwise Motor Parts (Red and Blue Wire)
U45W-09 Counterclockwise Motor Parts (Black and White Wire)	U45W-10 LED Lights	U45WH-11 Receiving Board	U45W-12 Drone Battery
U45W-13 USB Charger	U45W-14 Camera	U45W-15 Card Reader	U45W-16 TF Card
U45WH-17 Transmitter			

Troubleshooting Guide

No.	Problem	Problem Cause	Solution
1	The transmitter indicator light is off	1. Low battery.	1. Replace the transmitter battery.
		2. The battery positive pole and negative pole are in reverse order.	2. Install the battery in accordance with the user manual.
		3. Poor Contact.	3. Clean the dirt between the battery and the battery slice.
2	Fail to pair the drone with transmitter	1. Indicator light is off.	1. The same as above 1.2.3.
		2. There is interfering signal nearby.	2. Restart the drone and power on the transmitter.
		3. Misoperation.	3. Operate the drone step by step in accordance with the user manual.
		4. The electronic component is damaged for frequent crash.	4. To buy spare parts from local seller and replace damaged parts.
3	The drone is under-powered or can not fly.	1. The propeller deformed seriously.	1. Replace the propeller.
		2. Low battery.	2. Recharge the drone battery.
		3. Incorrect installation of propeller.	3. Install the propeller in accordance with the user manual.
4	The drone could not hover and tilts to one side.	1. Fail to calibrate the drone.	1. Refer to 7.3 calibration instruction.
		2. The propeller deformed seriously.	2. Replace propeller.
		3. The motor holder deformed.	3. Replace the motor holder.
		4. The gyro did not reset after violent crash.	4. Put the drone on the flat ground for about 10s or restart the the drone to calibrate again.
		5. The motor is damaged.	5. Replace motor.
5	The drone indicator light is off.	1. Low battery.	1. Recharge the drone battery.
		2. The battery is expired or over discharge protection.	2. Buy a new battery from local seller to replace the battery.
		3. Poor contact.	3. Disconnect the battery and then connect it with the plug again.
6	Could not see the picture.	1. Did not connect the wire of camera box or poor contact.	1. Check the wire and connect well.
		2. There is interfering signal nearby.	2. Cut off the wire and re-connect.
		3. Damaged camera.	3. Buy a new camera box from local seller to replace.
7	Hard to control by cellphone.	1. Not experienced enough.	1. Practice and read the cellphone controlling instruction carefully.

For Technical Support, contact support@usatoyz.com

FCC Information

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 residential 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 the circuit different from that to which the receiver is connected.
● Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING:

The equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void user's authority to operate this device.

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.

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