



# F200SE SHADOW HEX<sup>+</sup>

## USER MANUAL



- Full HD 1080p Picture/Video
- GPS-Enabled 600m Flight Range
- Advanced Smartphone Control
- Bonus Battery Included

## FOR MORE INFORMATION

Visit us online at [force1rc.com](http://force1rc.com) for product information, replacement parts, and flight tutorials.



**ATTENTION:  
PLEASE WATCH THIS  
FLIGHT INSTRUCTION  
VIDEO BEFORE  
FLYING YOUR DRONE.**



<https://youtu.be/tk3qzsUwoWs>



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## WELCOME!

Welcome to the Force1 Team, and thank you for your Force1 drone purchase. Please read this manual carefully before drone operation.

- (1) This drone is not a toy! It's a pro-level drone suitable for experienced RC drone users aged 14 years and older. You accept all liability for operation.
- (2) FAA rules apply. Visit [faa.gov](http://faa.gov) for more information. Please download the B4UFLY mobile app for the most up-to-date zoning info, and heed all local government ordinances.
- (3) The flying field must be legally approved by your local government.
- (4) This drone does not have a serial number, and weighs approximately 460 grams.

Any questions? We'd love to hear from you! Please include your order number when you contact us at [support@force1rc.com](mailto:support@force1rc.com) for fast, friendly service.

**\*Please use only original Force1 parts and accessories.**

**\*Please keep the packaging and this user manual for future reference.**

## SAFETY PRECAUTIONS

This drone is suitable for experienced RC drone operators aged 14 years and older. It contains small parts, and should be kept out of reach of small children.

Please follow these safety procedures:

### (1) Flight Zone

This drone does not require FAA registration or permitting, but FAA rules still apply. Please download the B4UFLY mobile app for the most up-to-date zoning info, and heed all local government ordinances.

### (2) Avoid Moisture

Humidity and water can damage your drone, which in turn may cause accidents.

### (3) Fly Safely

Please operate your drone as your skill level allows. User fatigue, impairment and improper operation can cause accidents.

### (4) Avoid Moving Parts & Hot Motors

Do not touch propellers, motors or other moving parts while your drone is on.

### (5) Avoid Heat

Keep your drone away from heat and prolonged exposure to direct sunlight to avoid damage.

## LI-PO BATTERY CARE

### **Avoid Overheating**

Your batteries will sometimes be warm/hot to the touch after use. This is normal, but beware that battery components will fail if not allowed to cool down between uses. Also, do not leave batteries exposed to direct sunlight.

### **Store Properly**

Store batteries at room temperature, between 5C°/40°F and 27°C/80°F.

### **Use Carefully**

- Leave time between charging and using the battery
- To extend the lifetime of the battery time your flights to leave about 20% power remaining in the batteries (rather than completely draining them)
- 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 battery will increase in temperature. If it is sealed, the air inside will inflate rapidly causing further heating

### **Charging**

- DO NOT overcharge the battery; never charge batteries unattended, and stop charging as soon as your batteries indicate they are charged
- DO NOT attempt to charge batteries that appear damaged in any way (cracking, swelling, discoloration, etc.)
- If you feel a battery isn't charging properly, try using another charger if possible. If you find your battery or charger is defective, please visit [force1rc.com](http://force1rc.com) for a replacement, or email us at [support@force1rc.com](mailto:support@force1rc.com)
- To inspect a battery, remove it from the device and examine the battery, battery pins and contacts. If you notice damage, please visit [force1rc.com](http://force1rc.com) for a replacement, or email us at [support@force1rc.com](mailto:support@force1rc.com)
- Check your battery and connections after every crash
- Please use genuine factory parts and replacements from [force1rc.com](http://force1rc.com)

**WARNING:**  
**DO NOT LEAVE BATTERY**  
**CHARGING UNSUPERVISED**

# DRONE BATTERY CHARGING

Follow the steps below to charge your battery (failure to follow instructions precisely may result in damage to your battery charger):

1. Connect the USB cable to the charger's Micro USB port.
2. Choose one of the methods as pictured below to connect the balance charger's USB plug, then connect the drone battery.



3. Carefully connect the battery cable to the charger as shown below.



**NOTE**

DO NOT plug the battery cable into the battery charger upside down. This will render the charger inoperable.

4. Charger indicator light will turn solid green when charging is complete.



## LI-PO BATTERY DISPOSAL & RECYCLING

Do not put lithium-polymer batteries in household trash. Please contact your local waste management agency or LI-PO battery recycling center for more info.



## BOX CONTENTS



DRONE WITH CAMERA



TRANSMITTER



7.4V 1800MAH LIPO BATTERY (2)



PROPELLERS (4)



PHONE CLIP



DRONE TOOLS



BALANCE CHARGER  
WITH USB TO MICRO USB CABLE

## DRONE OVERVIEW

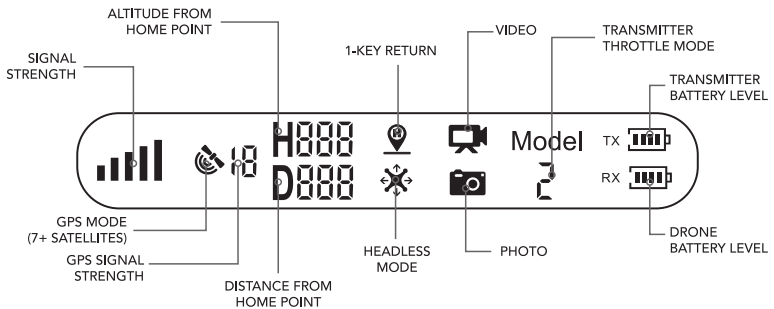


# TRANSMITTER OVERVIEW



\*APPLICABLE WHEN A MEMORY CARD IS INSERTED. IF THERE IS NO MEMORY CARD, PHOTOS AND VIDEOS CAN BE TAKEN AND SAVED WITH THE X-DRONE APP.

# LCD SCREEN



## TRANSMITTER BATTERY INSTALLATION

Open the battery cover and insert 4 AA batteries as shown below.



### CAUTION:

- The transmitter needs 4 AA batteries to work
- Insert batteries in correct polarity (+) and (-)
- Don't mix old and new batteries
- Don't mix alkaline, standard (carbon-zinc) and rechargeable (nickel-cadmium) batteries
- Remove rechargeable batteries before charging
- Only charge batteries under adult supervision
- Remove spent batteries from the transmitter
- Regularly inspect the charging cable, cord, plug, enclose and other parts; if you notice damage, please visit [Force1rc.com](http://Force1rc.com) for a replacement, or email us at [support@force1rc.com](mailto:support@force1rc.com)

## TRANSMITTER CHANNEL SELECTION

Your transmitter (remote controller) uses 5GHz Wi-Fi and works on channels 36 (5180 MHz) and 149 (5745 MHz), both of which are available in the United States. The factory default setting is channel 36. Please see p. 26 for more information about 5GHz Wi-Fi channels.

### Channel Selection

- Press and hold the bottom-right corner button until the transmitter beeps twice (Fig. 1)
- This indicates a switch between channels 36 and 149

### NOTE

- You should see no difference in operation, as both channels work in the U.S.
- If you are outside the U.S., contact [support@force1rc.com](mailto:support@force1rc.com) for more detailed frequency info



FIGURE 1

# THROTTLE MODE SELECTION

Your transmitter allows for left or right-hand throttle in 2 different modes, depending on your preference.

To change the throttle mode press and hold the top-right button for 3 seconds (Fig. 2). The mode number is shown on the LCD screen (Fig. 3). Keep pressing to cycle through modes, but note: Mode 2 is the default.

**NOTE**

Mode selection must occur when your transmitter is in signal connection and the transmitter light is blinking.



FIGURE 2

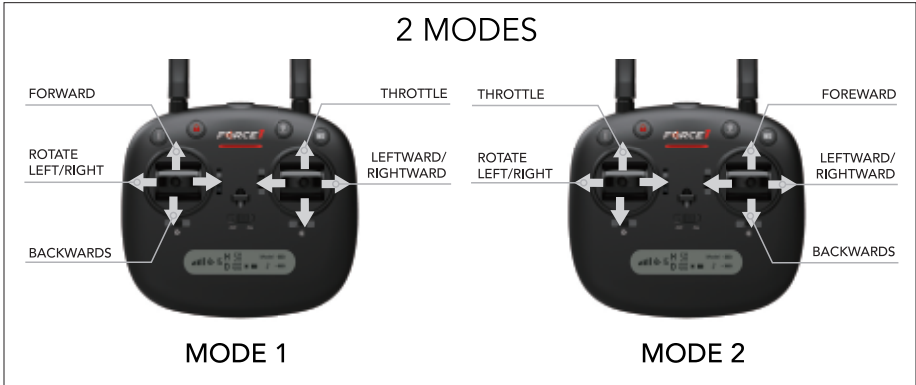


FIGURE 3

## DRONE ASSEMBLY

### BATTERY INSTALLATION

Insert the battery into the battery compartment until you hear a click. Turn the lock button on the bottom 90° to the "lock position."



SLIDE BATTERY IN COMPARTMENT



LOCK COMPARTMENT

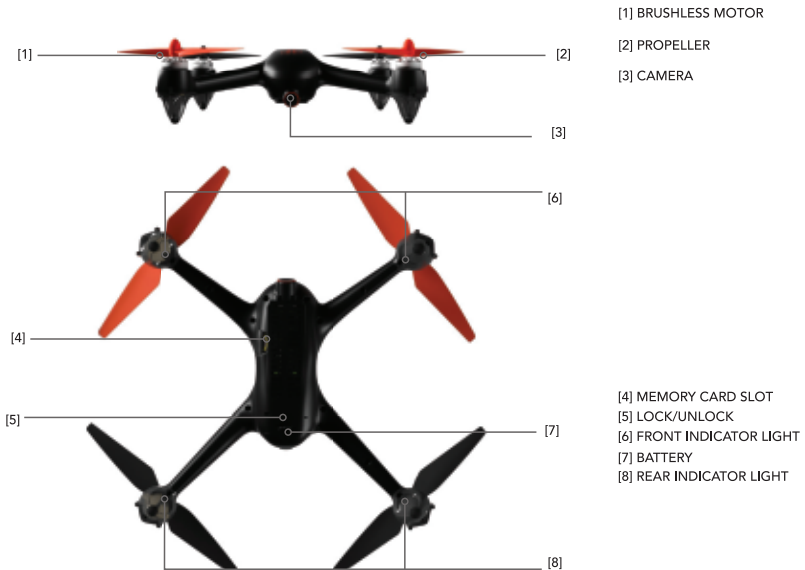
### CAUTION:

Install the battery firmly; failure to do so may affect flight safety.

### BATTERY REMOVAL

Turn the lock button counterclockwise 90° to the "unlock position." Use your thumb to press down the tab and remove the battery. NOTE: Battery removal is the ONLY WAY to power off the drone.

### DRONE OVERVIEW



[1] BRUSHLESS MOTOR

[2] PROPELLER

[3] CAMERA

[4] MEMORY CARD SLOT

[5] LOCK/UNLOCK

[6] FRONT INDICATOR LIGHT

[7] BATTERY

[8] REAR INDICATOR LIGHT



## DRONE ASSEMBLY

### PROPELLERS INSTALLATION/REMOVAL

#### INSTALLATION

Install propeller A and B on the corresponding motor shaft and fix them tightly by rotating as per the "lock" direction shown on the propellers. Propellers and drone arms are labeled A or B (Fig. 1).

#### REMOVAL

Hold the brushless motor with the rotor blade changing tool; rotate and remove the propellers as per the "unlock" direction shown on the propellers (Fig. 2).

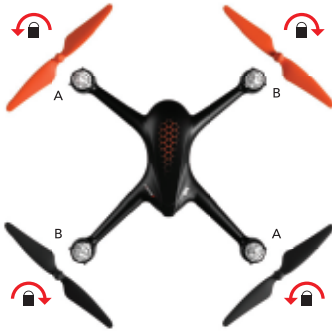


FIGURE 1

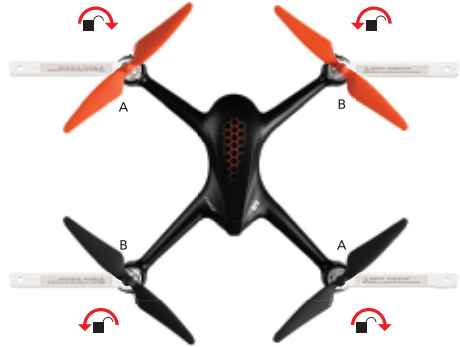


FIGURE 2

### CAUTION:

- Please be sure to install the correct propellers (matching A and B)
- Be careful with propellers, as they can be sharp
- Purchase extra propellers at [force1rc.com](http://force1rc.com)

# QUICK-START GUIDE

- 1 Turn the transmitter on. Once the transmitter emits a single beep, insert the drone battery. The transmitter will emit a single beep again when the drone and transmitter are paired.



FIGURE 5

- 2 When the drone's front and rear lights flash yellow, rotate the drone horizontally 3 times (parallel to the ground) or until the lights start flashing green (Fig. 6).



FIGURE 6

- 3 Now, point the drone nose down and rotate the drone 3 times (perpendicular to the ground) until you see solid red and yellow lights. (Fig. 7).



FIGURE 7

- 4 Place the drone on a flat surface, facing away from you. Move and hold the left and right sticks down and inward simultaneously (Fig. 8) until the drone propellers rotate, indicating it is unlocked.



FIGURE 8

- 5 The drone is ready to fly. See the Preflight Checklist and Basic Flight Controls before operating.

**NOTE:**

**Follow the Preflight Operation steps on page 13 if your drone doesn't start or isn't performing properly.**

## PREFLIGHT OPERATIONS

### SIGNAL CONNECTION AND PAIRING


To pair the transmitter with the drone, press and hold the red lock button while powering on the transmitter (Fig. 9). The transmitter will beep twice, and the indicator light will flash green as it establishes a GPS satellite signal. Immediately insert the drone battery once the indicator light starts flashing. The transmitter will emit a single beep sound, and the signal icon  will appear on the LCD screen. This means that the drone has successfully paired with the transmitter.



FIGURE 9

### CAUTION:

Keep the transmitter steady during this process, or it may result in signal connection failure.

### GYROSCOPE CALIBRATION

Set the drone on a horizontal surface. Move both sticks to the bottom-left position (Fig. 10). The drone lights will flash green rapidly. Wait for the lights to flash yellow alternately. At this point, the gyroscope calibration is successful, and your drone is ready for compass calibration.



FIGURE 10

## COMPASS CALIBRATION

Drone compass calibration should be done before every flight, after every battery change and after every transmitter pairing.

### HORIZONTAL CALIBRATION

When the drone's front and rear lights flash yellow, rotate the drone horizontally 3 times (parallel to the ground) or until the lights start flashing green (Fig. 11).

### VERTICAL CALIBRATION

Now, point the drone nose down and rotate the drone 3 times (perpendicular to the ground) until you see solid red and yellow lights. (Fig. 12).

Now compass calibration is successful.



FIGURE 11



FIGURE 12

### NOTE

- To fly in GPS mode, choose an open flight area and make sure the satellite number is 7+
- Don't calibrate the compass in strong magnetic areas like parking lots or construction areas
- Don't carry magnetic materials with you like key fobs and cellphones

## 2 WAYS TO LOCK/UNLOCK YOUR DRONE

### UNLOCK

1. Press the red button; the motors rotate and the drone is unlocked (Fig. 9).
2. Push both joysticks down and inward (Fig. 14). The propellers will start, and your drone is ready to fly.

### LOCK

3. Pull the throttle control stick to the bottom position, then press and hold the red button (Fig. 9) for 3 seconds. The motor will stop immediately and the drone will lock.
4. After the drone lands on the ground, push both joysticks down and outward. The motor will stop immediately and the drone will lock.



FIGURE 13

## PREFLIGHT CHECKLIST

1. Fly in an open area and abide by all local and federal guidelines. Check the FAA's B4UFLY mobile app for up-to-date drone flight info.
2. Make sure your drone and transmitter batteries are fully charged.
3. Put the left stick of the transmitter in the middle position.
4. Follow power on instructions closely. Always turn ON your transmitter first before flying, and turn OFF the drone first when you're finished.
5. Make sure the connection is solid between your battery and motor; vibration may cause loosening.
6. Make sure the propellers are installed correctly and the motors are working normally after unlocking.

## BASIC FLIGHT CONTROLS

### HOVER UP AND DOWN

Push the THROTTLE/RUDDER STICK up to fly the drone up, and pull the THROTTLE/RUDDER STICK down to fly the drone down.



### FLY FORWARD OR BACKWARD

Push the DIRECTION CONTROL STICK up to fly the drone forward, and pull the DIRECTION CONTROL STICK down to fly the drone backward.



### FLY LEFT OR RIGHT

Move the DIRECTION CONTROL STICK to the left to fly the drone to the left, and move the DIRECTION CONTROL STICK to the right to fly the drone to the right.



### ROTATE LEFT OR RIGHT

Move the THROTTLE/RUDDER STICK to the left to rotate the drone to the left, and move the THROTTLE/RUDDER STICK to the right to rotate the drone to the right.



# FUNCTIONS

## 1-KEY LIFT/LAND

- After the drone is unlocked, press the 1-Key Lift/Land button (Fig. 14). The drone will automatically take off and hover at an altitude of around 5 feet
- When the drone is flying, press the 1-Key Lift/Land button; the drone will automatically land



FIGURE 14

## GESTURE MODE

To activate Gesture Mode, slide the Gesture/GPS button to position A (Fig. 15). In Gesture Mode, the drone uses its barometer to maintain altitude rather than GPS. It cannot fly with precise positioning and hovering. Gesture Mode requires a skilled pilot.



FIGURE 15

## GPS MODE

In GPS mode, the drone can precisely position and hover using the GPS module. To activate GPS mode, slide the Gesture/GPS button to position B (Fig. 15).

## HEADLESS MODE

Headless Mode allows you to fly your drone without knowing its orientation. Slide the Headless Mode button to position B. 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 (Fig. 16).

TIP: Do not change the orientation of the transmitter (Fig. 17) after entering Headless Mode.



FIGURE 16



FIGURE 17

## FUNCTIONS

### RETURN TO HOME (RTH)

The Return-to-Home function brings your drone back to the last recorded home point.

**A GPS signal of 7+ must be available for the drone to record its home point (Fig. 18).**

There are three RTH functions: Smart RTH, Failsafe RTH and Low-Battery RTH.

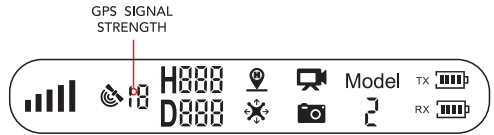


FIGURE 18

### SMART RTH

If you have a 7+ GPS signal and your home point is recorded, press the RTH button (Fig. 19) and the drone will return to the previously recorded home point. During Smart RTH, you can use the transmitter to guide the drone around obstacles. Press the button again to exit RTH and regain drone control.



FIGURE 19


### LOW-SIGNAL RTH


If you have a 7+ GPS signal and your home point is recorded, Failsafe RTH is triggered when the transmitter signal is lost for more than 6 seconds. The drone will automatically return to the previously recorded home point. Press the button again to exit RTH and regain drone control if you regain the signal.

#### NOTE

- Your drone will not avoid obstacles during Failsafe RTH
- The drone cannot return if the GPS signal is weak (less than 7+ GPS signal)
- Your drone will land slowly if there is no GPS signal and the transmitter signal is lost for more than 6 seconds

### LOW-BATTERY RTH

Your drone will return automatically if it detects a low battery while flying at an altitude of 100+ meters or at a distance of 300+ meters when you see this battery icon: . Your drone's lights will also slowly flash red.

Similarly, your drone will return automatically if it detects a low battery while flying at an altitude of 15+ meters or at a distance of 15+ meters when you see this battery icon: . Your drone's lights will also slowly flash red.

#### NOTE

You can't regain control of your drone in Low-Battery RTH Mode.

# FUNCTIONS

## PHOTO / VIDEO

- Press the photo/video button on the top right of the transmitter to take a photo (Fig. 20). The camera icon on the LCD screen will flash once indicating that a photo has been taken
- Press and hold the photo/video button to start recording video. The video icon on the LCD screen will flash slowly, indicating that a video is being recorded. Press the button again to stop recording



FIGURE 20

### NOTE

Memory card not included. If there is no memory card inserted into the drone camera, photos and videos can only be taken using the X-Drone app (see page 19).

## LOW-BATTERY WARNING

- The battery is nearing low voltage when the battery icon in Figure 21 appears on the LCD screen and the rear lights of the drone flash slowly (the front lights remain the same)
- Low voltage is indicated by the battery icon in Figure 22, and the rear lights of the drone flash rapidly (the front lights remain the same)

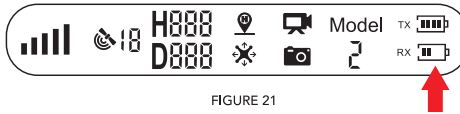


FIGURE 21

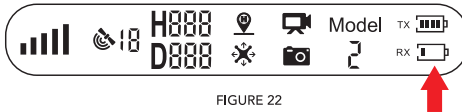


FIGURE 22





# GETTING TO KNOW YOUR APP

## 1. DOWNLOAD AND INSTALL THE X-DRONE APP

The X-Drone app is what you will use to enjoy first-person view (FPV) control and photo/video capture via your mobile device while flying your F200SE Shadow HEX drone. The app is compatible with iOS and Android phones. To download the app from the App Store or Google Play:

1. Scan the QR code below or on the product box, OR
2. for iOS phones: Search for the X-Drone app in the App Store;
3. for Android phones: Search for the X-Drone app in Google Play.



X-Drone



## 2. HOW TO PAIR YOUR MOBILE DEVICE & DRONE WI-FI

1. Install the battery and power on the drone. Put the drone on a flat surface in a horizontal position.
2. Make sure your mobile device Wi-Fi settings are on and connect to the Wi-Fi name DRONE-\*\*\*\*\*. Return to your home screen after successful connection.
3. Click on the green arrows after reviewing the Introduction and Icons Overview screens.



### 3. PHONE CLIP ATTACHMENT & USE

1. Connect the phone clip to the round knob attachment (Fig. 23).
2. Insert the clip vertically, down into the transmitter (Fig. 24). Make sure the clip is firmly in place.
3. Put the phone into the clip and then release the clamp; the clamp should hold your phone tightly (Fig. 25).

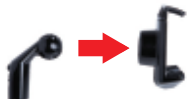


FIGURE 23

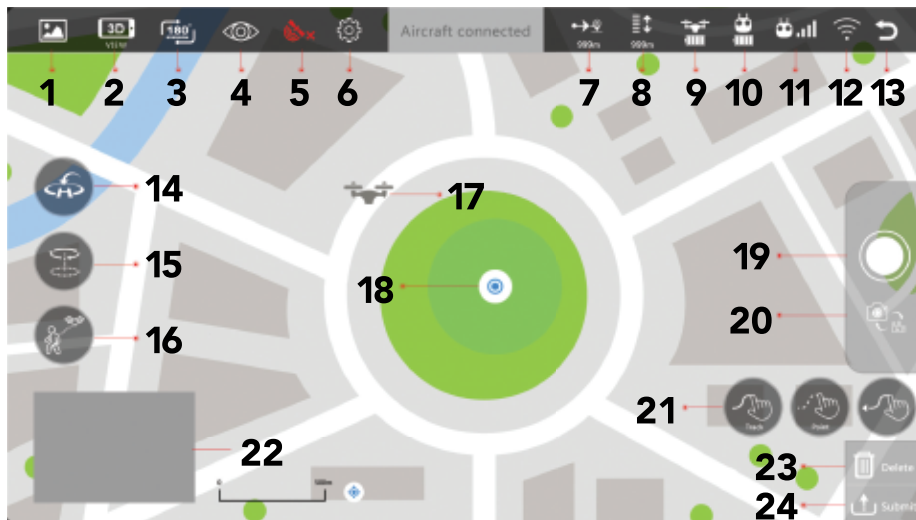


FIGURE 24



FIGURE 25

### 4. APP ICONS OVERVIEW



- |                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Photo Library</li> <li>2. VR FPV Mode</li> <li>3. 180° Screen Rotation</li> <li>4. Hide UI</li> <li>5. GPS Signal</li> <li>6. Settings</li> <li>7. Drone Distance</li> <li>8. Drone Altitude</li> <li>9. Drone Battery Level</li> <li>10. Transmitter Battery Level</li> <li>11. Transmitter Signal Strength</li> <li>12. Wi-Fi Signal Strength</li> </ol> | <ol style="list-style-type: none"> <li>13. Home Screen</li> <li>14. Return-To-Home (RTH) Button</li> <li>15. Point-of-Interest Button</li> <li>16. Follow-Me Button</li> <li>17. Drone Location</li> <li>18. Mobile Device Location</li> <li>19. Shutter Button</li> <li>20. Photo/Video Button</li> <li>21. Custom Route Modes</li> <li>22. Map/FPV View</li> <li>23. Delete</li> <li>24. Submit</li> </ol> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 5. AERIAL PHOTOGRAPHY & VIDEO



**Photo/Video Button:** Click on this icon to select **Camera** or **Video**.



**Shutter Button:** Click on this icon to capture images or record video.



**Photo Library:** Click on this icon to view photos/videos.

Videos and photos will save to the app if there is no memory card in the camera, and you may download them from there.

**Tip:** Make sure your mobile device supports 5GHz Wi-Fi before linking the X-Drone app to the drone camera. This is NOT related to a 5G network connection, which is not required.

## 6. X-DRONE GPS TRACKING FEATURES



### Enabling GPS Tracking Features While Flying

1. Switch the remote GPS Switch under the left joystick to the right.
2. Ensure the transmitter has a 7+ GPS signal.
3. Ensure the Drone Altitude icon displays 5+ meters.
4. Ensure the Drone Distance icon display is within 35 meters.



**Return-to-Home (RTH) Button:** Click the 1-Key Return button to return the drone to your location.



**Point of Interest:** Click the Point-of-Interest button to make the drone rotate around a fixed location on the map.



**Follow Me:** Click the Follow-Me button to make the drone follow your Wi-Fi device at a fixed altitude. Caution: Be aware of potential obstacles in Follow-Me-Mode.



**Custom Route Modes:** Create routes on the map with waypoints or one continuous path.






**Map/FPV View:** Click to track the drone's flight in Map View or FPV Mode.

## DRONE INDICATOR LIGHT





NO.	STATUS	DESCRIPTION
1	The front and rear lights of the drone flash yellow rapidly.	The transmitter is not linked to the aircraft, and it requires completing the signal connection steps.
2	Front and rear lights flash green rapidly.	The drone is in gyroscope calibration mode.
3	The front and rear lights alternate flashing yellow.	The drone is in horizontal compass calibration.
4	The front and rear lights alternate flashing green.	The drone is in vertical compass calibration.
5	The front and rear lights of the drone alternate flashing green, red and yellow.	The drone is in initialization detection mode.
6	The front lights glow solid red, the rear lights glow solid yellow.	No GPS signal, the drone is in gesture mode.
7	The front lights glow solid red, the rear lights glow solid green.	Good GPS signal, drone is preparing for GPS mode.
8	The front lights glow solid red, the rear lights flash red slowly.	The drone is nearly low voltage, 1/4 of the battery is left.
9	The front lights glow solid red, the rear lights flash red rapidly.	The drone is in low voltage, only 1/6 of the battery is remaining.
10	The front and rear lights flash once, then stop for 1.5 seconds.	Something is wrong with the gyroscope.
11	The front and rear lights flash twice, then stop for 1.5 seconds.	Something is wrong with the barometer.
12	The front and rear lights flash three times, then stop for 1.5 seconds.	Something is wrong with the compass.
13	The front and rear lights flash four times, then stop for 1.5 seconds.	Something is wrong with the GPS module.

## TRANSMITTER INDICATOR LIGHT



	TRANSMITTER STATUS	OPERATION
1	Indicator lights flash rapidly.	The transmitter is under signal connection status.
2	Indicator lights flash slowly with a steady beep and the battery icon  on display is flashing.	The transmitter has low voltage.
3	Battery icon  on LCD display is shown, with a steady beeping sound.	Battery is running out. The aircraft will return when drone is at an altitude is over 100m or a distance of over 300m.
4	Battery icon  on LCD display is shown, with a long beeping sound.	Battery is low. The drone will return when the altitude is over 15m or the distance is over 15m.
5	Signal legend on LCD display is less than two grids or not displaying, with a steady beeping sound.	1) The distance between the drone and transmitter is so far that the signal is weak. 2) The battery was removed after the drone connected to the transmitter.

## SPARE PARTS

			
Upper cover <b>0001</b>	Camera PCB <b>0002</b>	Receiver PCB <b>0003</b>	Main frame <b>0004</b>

## SPARE PARTS

			
<p>Lamp cover of the front and rear light <b>0005</b></p>	<p>Battery <b>0006</b></p>	<p>Front/rear LED Indicator <b>0007</b></p>	<p>GPS module <b>0008</b></p>
			
<p>ESC <b>0009</b></p>	<p>Interleaving paper <b>0010</b></p>	<p>Compass <b>0011</b></p>	<p>Screws pack <b>0012</b></p>
			
<p>Propeller A/B <b>0013</b></p>	<p>Clockwise motor <b>0014</b></p>	<p>Counter-clockwise motor <b>0015</b></p>	<p>Propeller changing tool <b>0016</b></p>
			
<p>Anti-vibration pad <b>0017</b></p>	<p>Mobile phone holder <b>0018</b></p>	<p>Remote controller <b>0019</b></p>	

## TROUBLESHOOTING

NO.	PROBLEM	SOLUTION
1	The front and rear lights of the drone flash green rapidly.	The transmitter is not linked to the aircraft, and it requires completing the signal connection steps.
2	The front and rear lights of the drone flash red, yellow and green alternately and do not change.	1) Check to see if the drone is in the stationary state. 2) Recalibrate the gyroscope.
3	The front and rear lights of the drone flash yellow alternately.	1) Complete the horizontal compass calibration steps. 2) The compass of the drone is broken and needs to be replaced.
4	The front and rear lights of the drone flash green alternately.	1) Complete the vertical compass calibration steps. 2) The compass of the drone is broken and needs to be replaced.
5	The drone isn't positioning properly.	1) The GPS signal is weak; fly in another location.
6	The return point of the drone is far away from the takeoff point.	1) The GPS signal is weak; fly in another location. 2) The drone cannot receive a satellite signal while taking off; fly the drone again when you have a 7+ GPS signal.
7	The drone fails to unlock.	1) The battery of the drone is low; replace/charge the battery. 2) The drone is in initialization status; re-calibrate the gyroscope.

### NOTE

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the antenna
  - Increase the separation between the equipment and receiver
  - Connect the equipment to 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

# 5GHz WI-FI CHANNELS

Your transmitter (remote controller) uses 5GHz Wi-Fi and works on channels 36 (5180 MHz) and 149 (5745 MHz), both of which are available in the United States.

The factory default setting is channel 36.

## Channel Selection

- Press and hold the bottom-right corner button until the transmitter beeps twice
- This indicates a switch between channels 36 and 149

NOTE: You should see no difference in operation, as both channels work in the U.S.



Taking your drone to a different country?  
Corresponding country/area available channel lists are as follow:

Channel	Frequency (MHz)	USA	Europe	Japan	Singapor	China	Taiwan	South Korea
36	5180	Available	Available	Available	Available	Disable	Disable	Available
149	5745	Available	Disable	Disable	Available	Available	Available	Available

Please contact [support@force1rc.com](mailto:support@force1rc.com) for more detailed frequency info.



# 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 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.



To ensure that play is both safe and fun, please review these operating instructions:

Failure to follow all safety instructions may result in injury or property damage none of which Force1 will be held liable for as proper warnings are outlined in the manual.

- Upon use of this product the end user assumes all responsibility and Force1 cannot be held liable for any personal injury and/or property damage.
- This item contains fast moving parts, motors and/or other wiring. When using it, basic precautions should always be followed including but not limited to the following:
  - Keep your eye on the product at all times
  - Tie back hair or wear a hat to avoid entanglement or injury
  - Keep hands, hair and loose clothing away from moving parts when the power switch is turned ON.
  - Please ensure the product is turned off when not in use.

<b>WARNING</b> 	CHANGES OR MODIFICATIONS TO THIS UNIT NOT EXPRESSLY APPROVED BY THE SELLER WILL VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.
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# **FORCE1**



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