FORCE1

14+

UFO5000

3-SPEED LED STUNT DRONE

USER MANUAL

WARNINGS AND SAFETY PRECAUTIONS

All users must read this manual in entirety before operating the drone. Improper installation, flying in bad conditions or unfamiliar operation by the user may cause crashing, damage to the aircraft, property damage or personal injury; none of which Force1RC can be held liable for.

1. **Fly a safe distance from people, animals and obstacles**
   During flight, this drone may change in speed or sensitivity and may cause potential hazards. Use common sense and stay away from crowds, buildings, trees, power lines, and other hazards. Avoid using the drone under weather conditions such as rain, storms or wind and snow. Make sure others around you are aware you are operating this drone.

2. **Keep away from humidity**
   The drone is composed of electronic and mechanical parts. Avoid exposing the drone to humidity, water and moisture. Doing so may cause damage and cause the drone to malfunction and cause an accident.

3. **Only use included parts and genuine replacement parts**
   Only use original parts for replacement and modification to ensure flight safety. Operate the drone within range allowed by product function. Use of unapproved parts will void any warranty. Do not use the drone beyond the scope of local laws and regulations.

4. **Fly with experienced users**
   Beginner drone pilots should be supervised or guided by an experienced drone user or adult if they are a minor. Learning how to pilot a drone successfully takes time and practice.

5. **The pilot should never operate the drone under the influence of alcohol/drugs.**
   Never operate the drone if you are feeling fatigued or in poor mental state. Doing so increases your risk for an accident, causing property damage or personal injury.

6. **Store in a cool, dry place**
   The drone is made of plastic, metal and electronic components. To avoid deformation, overheating and damage, store it out of direct sunlight and in a cool dry place.

Note: According to Part 15 or the FCC Rules, this device has been tested and meets the limits or Class B digital devices. These limits are designed to provide reasonable protection against harmful interference from residential equipment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, you can confirm by turning the device on and off. It is recommended that users try to correct the interference by one or more of the following measures:

- Relocate or adjust the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Please note that changes or modifications not expressly approved by the responsible party may invalidate the user's operating authority

7. Keep this manual. This manual contains important information, keep it for future reference.

8. The pilot is solely responsible for ensuring this drone won't cause injury or property damage. If the drone is coming towards you move out of its path.

9. During flight or landing keep a distance of 1-2 meters from the drone to avoid injuries caused by collision of the drone with face or body. Tie hair back, wear a hat or hood to avoid hair entanglement with the propellers.

10. Force1 and resellers or distributors of this drone are not responsible for physical loss, damage or injury caused.

11. This product contains small parts. Keep out of reach of children to avoid suffocation or choking by swallowing parts.

12. Keep away from motors and propellers to avoid injury of pinching, burns or cuts. The motors do heat up when used.

13. Do not bring the drone close to your ears as it may damage hearing.

14. In order to comply with the command of the magnetic environment requirements of the Aviation Radio Administration and related departments, stop using drones when there are control orders during the control period in certain areas.

15. Always fly the drone back when the battery is running low.

BATTERY CARE

1. Lithium battery life will decrease over long periods of time. To extend lifetime of the battery, keep 20% of the power remaining in the drone battery rather than completely draining it.
2. The battery may be warm to the touch after use and charging. The battery will fail if not given time to cool down between uses and charging.
3. Do not short circuit the battery, put it in fire, leave in high temperatures or direct sunlight and do not put it under pressure to avoid explosion.
4. Do not immerse in water or allow the battery to get wet. Keep the battery out of reach of children and pets.
5. If the battery is not going to be used for a period of time, remove the battery from the drone to prevent potential damage or battery leakage and store in a fire-safe lithium battery bag.
6. The battery charger should be plugged into the designated power source with the same product identification.
7. Charge the battery under supervision of an adult and keep it away from combustibles. Keep the battery in sight while charging. Store in a fireproof bag for lithium batteries.
8. Install batteries in the correct orientation. Incorrect installation of the battery may cause a short circuit.
9. Use the USB charging cable that comes with the drone to charge the battery.
10. Do not mix lithium-ion batteries with other types of batteries.
11. Do not over charge the battery or leave it on the charger for extended periods.
12. Do not charge batteries that are damaged, cracked, swelling or discolored and safely discard immediately. Check battery connections after every crash. Do not put batteries in household trash. Contact your local waste agency for more information.
13. Remove the drone battery from the drone before charging it.

DRONE BATTERY CHARGING

1. Attach the USB cable to the battery then plug the USB into your preferred charging source.
2. When the battery is charging, the USB indicator light will be on. When the battery is fully charged, the USB indicator light will turn off. The battery charging time is approximately 120 minutes.

Drone Battery | USB Charging Cable | Charging Sources

- Take-out and put the battery in the correct way
- Non-rechargeable batteries cannot be charged
- Different types of batteries or old and new batteries cannot be mixed
- Only batteries of the same model or equivalent to the recommended model can be used
- Insert the battery with the correct polarity
- Exhausted batteries should be removed from the drone before charging
- The power terminals shall not be short circuited
- Do not plug the battery cable into the battery charger upside down. This will render the charger inoperable.

BOX CONTENTS

UFO5000 DRONE

2 x MODULAR BATTERIES

4 x PROPELLERS
(2 x A & 2 x B)

SPANNER

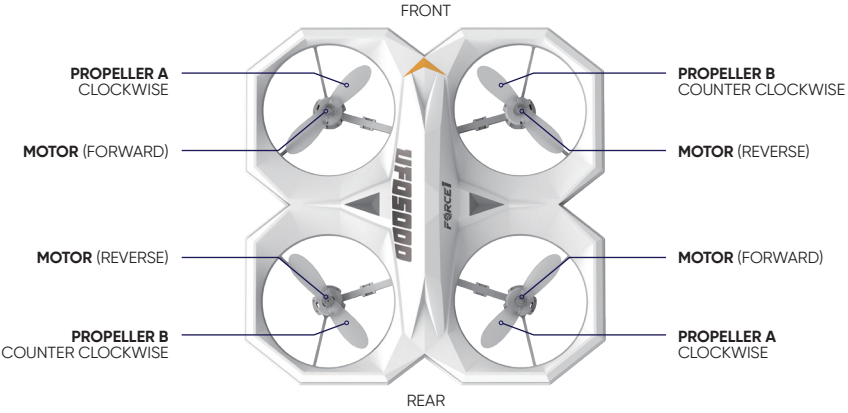
TRANSMITTER

USB CHARGER

SCREWDRIVER

INSTRUCTION MANUAL

DRONE OVERVIEW



TRANSMITTER OVERVIEW

Open the battery cover and insert 3 AAA batteries as shown below (not included).

DRONE ASSEMBLY

BATTERY INSTALLATION

Place the battery on the center underside of the drone and slide the battery into place (Fig.1). Ensure the battery is firmly installed so it won't fall out during flight.

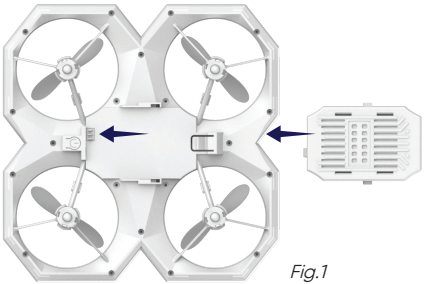
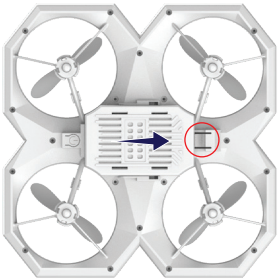


Fig.1

BATTERY REMOVAL

Turn off the drone before removing the battery. Press and hold the tab circled in (Fig.2). Slide the battery to the right side to release it from the drone.



PRESS AND HOLD THE TAB AND MOVE THE BATTERY TO THE RIGHT SIDE

Fig.2

PROPELLER INSTALLATION/REMOVAL

- To remove a propeller, use the spanner to lift the propeller up until it comes off (Fig.3)
- The replacement propeller should have the same rotational direction; place on the correct motor pin, and apply pressure until it snaps into place (Fig.4)

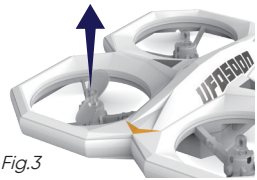


Fig.3

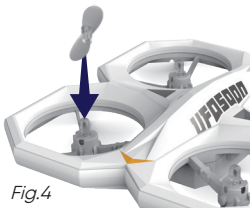
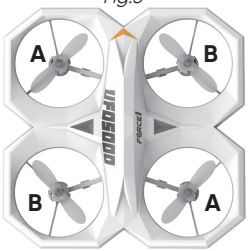


Fig.4

Note: Installing the wrong propeller in the wrong quadrant will cause the drone to flip over, not lift or go in circles on the ground when trying to take off.

Fig.5



QUICK-START GUIDE

- Insert the drone battery and turn the drone on by pressing and holding the power button on the bottom of the drone.
- The transmitter will beep once to indicate it's turned on and beep a second time when it's paired with the drone. The red light will almost immediately turn solid.
- If you turn the transmitter on before you turn the drone on, the transmitter will beep twice and the red light will flash until you turn the drone on and the transmitter pairs with the drone.
- Once the drone and transmitter are paired, the light on the transmitter and the drone LEDs turn solid to indicate pairing was successful.
- Push the throttle and joystick to the inner bottom corners at the same time to calibrate the drone (Fig.7). The drone lights will flash green and once successful the front LEDs will turn blue and the back LEDs will turn white.
- Press the 1-Key lift/land button and the drone will immediately start lifting (Fig.8).
- When you are done flying. Press the 1-Key lift/land button again to land the drone. (Fig.8).

Fig.6

Fig.7

Fig.8

NOTE:

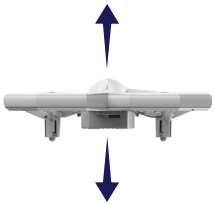
Follow the Preflight Checklist steps below if your drone doesn't start or isn't performing properly.

- Before flying your drone, carefully review the quick start guide above and the rest of the flight controls and functions outlined in this manual.
- See the troubleshooting guide on *pg.14* and *pg.15*
- Make sure your drone and remote control batteries are fully charged.
- Make sure the connection between the drone and transmitter is solid.
- Make sure the propellers are installed correctly and the motors are working normally after unlocking.

FLIGHT CONTROLS

HOVER UP AND DOWN

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



FLY FORWARD OR BACKWARD

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

FLY LEFT OR RIGHT

Move the DIRECTION CONTROL STICK 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 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.

TRIM ADJUSTMENTS

Long press the button pointed out on the transmitter in (Fig.9) to adjust trim. When your drone drifts in an unwanted direction, long press the DIRECTION TRIM button (Fig.9/10) and move the direction stick to make the adjustments.

LEFT/RIGHT TRIM

When the drone drifts left while flying, press and hold the DIRECTION TRIM button and push the direction stick to the right.

When the drone drifts right while flying, press and hold the DIRECTION TRIM button and push the direction stick to the left.

Fig.9

FORWARD/BACKWARD TRIM

When the drone drifts forward while flying press and hold the DIRECTION TRIM button and push the direction stick on the right downward.

When the drone drifts backwards while flying, press and hold the DIRECTION TRIM button and push the direction stick on the right upward.

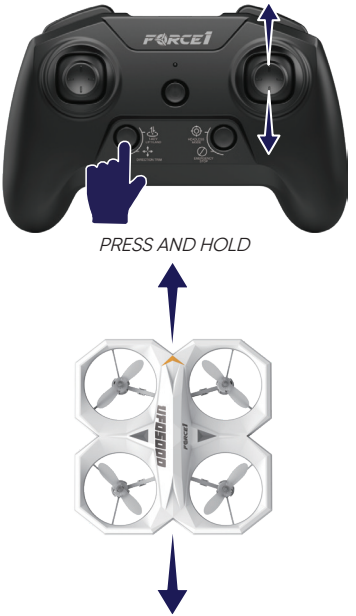


Fig.10

FUNCTIONS

ONE KEY LIFT/LAND

Place the drone on a flat surface. Press the 1-Key Lift/Land Button (Fig.11)-the drone propellers will start spinning, and it is ready to fly. Push the left stick up to fly the drone upwards.

Press the 1-Key Lift/Land button while the drone is aloft to land it (Fig.11).

Fig.11

Fig.12

360°FLIP

Long Press the 360° Flip button to flip the drone. The remote control will beep twice, indicating the drone is in Flip Mode.

Next, move the direction stick up or down, and the drone will flip up or down (Fig.12)

Move the direction stick to the right or left, and the drone will flip left or right (Fig.12)

Note:

- Only execute flips when you have plenty of airspace. The drone can only perform flips when it is at least 7 feet in the air.
- The drone will drop in altitude when performing the flip.
- This function can not be used when the drone is in a low power state.

FUNCTIONS

ROTATION

Long press the rotation button to start the automatic rotation function (Fig.13). If you want to end the rotation, just push the direction control stick.

Note:

- Only execute rotations when you have plenty of airspace. The drone can only perform rotations when it is at least 7 feet in the air.
- The drone will drop in altitude when performing a rotation.
- This function cannot be used when the drone is in a low power state.

Fig.13

Fig.14

SPEED MODES

The drone has three speed modes: Low, Middle and High. To switch speed modes, press the Speed Mode button (Fig.14). The remote control will beep thrice to indicate that it is in High Speed Mode, twice for Middle Speed Mode or once for Low Speed Mode. The speed mode may be changed during flight.

FUNCTIONS

HEADLESS MODE

Headless Mode allows you to fly your drone without knowing its orientation, because it will be fixed in the direction you set it.

Press the Headless Mode button to enter Headless Mode before take off (Fig.15). The remote control will beep continuously and the drone lights will begin to flash to indicate mode selection.

You must now set the Headless Mode drone direction.

Fig.15

Note: do not change the orientation of remote control after entering Headless Mode. Otherwise, you will lose the set orientation.

LOW BATTERY WARNING

Your drone's LED lights will keep flashing red when the power is low. This means you have 30 seconds to land your drone before you lose power

TROUBLESHOOTING GUIDE

Problem	Reason	Solution
The LED indicator on the drone flashes continuously after connecting the battery, there is no response from the remote control.	The remote control and the drone are not paired.	Refer to page 8 to pair again.
The drone is not responding.	1. The drone or the remote control is turned off. 2. The batteries of the drone or remote control are out of power or damaged. 3. The batteries are not inserted properly.	1. Turn on the remote and drone, and ensure that the battery is inserted properly. 2. Charge the batteries, use fully charged batteries. 3. Insert the battery again and ensure that they are connected properly.
The motor does not respond to the throttle lever and the LED indicator on the drone flashes.	The drone battery level is too low.	Charge the battery or replace it with a fully charged battery.
The propellers spin but the drone does not take off.	1. The propellers are damaged. 2. The drone battery level is too low. 3. Propellers are installed in the wrong drone quadrant.	1. Replace the damaged propeller(s). 2. Charge the battery or replace it with a fully charged battery. 3. Check the propeller orientation and install the propellers in the correct quadrant on (pg. 5)

Problem	Reason	Solution
The drone shakes or tilts sideways during flight.	The propellers are damaged.	Replace the damaged propeller(s).
The drone continues to spin after making trim adjustments or the left/right yaw speed is not consistent.	1. The propellers are damaged. 2. The drone battery level is too low.	1. Replace the damaged propeller(s). 2. Charge the battery or replace it with a fully charged battery.
The drone keeps drifting in one direction.	The gyroscope is not calibrated properly.	Make trim adjustments to the drone after turning it on (pg. 10)

For fast, friendly service contact us at

support@force1rc.com

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