FOLDING DRONE

14+
AGES

USER MANUAL

Thank you for choosing our products. Please read this manual carefully before operating. Please keep this manual for future reference. Please refer to the actual object, if the picture does not match the actual object.

The company reserves the final interpretation right of this manual

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SAFETY PRECAUTIONSAND STATEMENTS

1.This product is suitable for people over the age of 14. Please ensure that you operate in a safe environment. Please be sure to use it correctly in strict accordance with safety precautions and the Operation Manual. Please note that any modification, disassembly, or improper use may cause unexpected hazards or accidents.

2.The company is not responsible for improper assembly by users, unsafe environment, unauthorized modification, disassembly, and other illegal operations.

3.This product is a high-tech operational consumable, so any disassembly or modification may cause damage to the components. If any improper operation causes problems with the product, it will not be possible to replace or return the product within the warranty conditions. If there are problems with use, operation, and maintenance, our agent or after-sales service will provide technical guidance and special price parts supply services.

4.Drones are dangerous goods. When flying, be sure to stay away from people and obstacles, and operate within a safe distance (more than 4 meters). Improper assembly, damage to components,poor electronic control equipment, and improper operation can lead to unpredictable damage and accidents caused by uncontrolled flight. Pilots must pay attention to flight safety and understand flight requirements and responsibilities in detail.

5.This product is suitable for indoor and outdoor use. It is strictly prohibited to fly it in areas with dangerous high-voltage electricity and prohibited by the state.

6.When this product is not used for a long time, please turn off the power supply and take out the battery to prevent danger from battery leakage.

MAINTENANCE

1. Frequently use a clean soft cloth to clean this product.
2. Avoid exposing this product to sunlight or heat.
3. Do not immerse this product in water, otherwise its electronic parts will be damaged.
4. Regularly check the plug and other accessories. If any damage Is found,please immediately stop using it until it is completely repaired.

CONTENTS

Drone x1   Remote controller x1   USB charging cable X 2

Paddle A/B x2   3.7V battery module X2   Protective frame x4   Screwdriver X1   Manual X1

INTRODUCTION TO DRONE PARTS AND REMOTE CONTROLLER

Camera
Propeller A   Propeller B
Power switch
Propeller B   Propeller A
Speed switching Long press 3S flips
Photo/Video
Camera down adjustment
Camera up adjustment
power switch

Press both buttons simultaneously for 3 seconds to enter fine-tuning, then long press for 3 seconds to save

Short press to take off/land Long press for 4 seconds to enter headless mode, then press for 4 seconds to cancel headless mode

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Propeller Replacement Method

1. Please ensure that all propellers are installed in the correct orientation as shown in the following figure. If the installation is incorrect, the aircraft will not be able to fly normally.(Figure 1)
2. Installed.(Figure 2)

Figure 1   Figure 2
FOLDING DRONE
A   B
B   A

INSTALLATION METHOD OF PROPELLER GUARD

1.Install the Propeller guard at the bottom of the motor frame.

REMOTE CONTROLLER CHARGING

1. Connect one end of the USB charging cable to the adapter power port and the other to the remote controller charging port. When properly charged, the remote controller's indicator light will remain on.
2. The remote controller indicator light is off, indicating that charging is complete (charging time is about 3 hours).

AC adaptor
5V 1A/2A

CHARGING PRECAUTIONS

※ Do not place the battery in high temperatures or heated places, such as open flames or electric heating devices, otherwise it may be damaged or explode.
※ Do not hit the battery or use it to hit the surface of hard objects.
※ Do not disassemble the battery.
※ Do not immerse the battery in water, The battery should be stored in a dry place.
※ Do not leave when charging.
※ Do not place the battery on flammable items such as blankets for charging.
※ Do not charge the battery when it heats up after the drone running.
※ Please use the original USB charging cable to charge the battery.

DRONE BATTERY INSTALLATION

1. Install the battery module into the battery holder of the drone in the direction shown in the figure to a fixed position.(Figure 1)
2. Installed.(Figure 2)

Figure 1   Figure 2

BATTERY CHARGING

1. Connect one end of the USB charging cable to the adapter power port and the other to the battery charging port. When properly charged, the battery light indicator will remain on.
2. The battery indicator light is off, indicating that charging is complete (charging time is about 90 minutes)

AC adaptor
5V 1A/2A

READY TO FLY

POWER ON

Place the drone on a horizontal surface, turn on the drone power switch, and the lights flash. The drone is now in standby mode.
Note: The tail of the aircraft shall face the pilot.

HORIZONTAL CALIBRATION

Move the left and right control sticks of the remote controller at a lower left or right 45° angle at the same time, and the drone light will flicker to a constant light.At the same time, after the buzzer of the remote controller beeps, the horizontal calibration is completed

START THE DRONE

Method 1:
Step 1:
Move the remote controller's left control stick at 45°to the left and right control stick at 45°to the right, the propellers slowly rotate, and the drone unlocking is completed.

Step 2:
After the drone is unlocked, push the left control stick of the remote controller upward, and the propellers accelerate to rotate and fly off the ground.

Method 2:
When the drone is in a stationary state after completing frequency alignment and horizontal calibration, press the "One Press Takeoff" button on the remote controller. After the drone propellers rotate slowly, it automatically rises to a height of about 1.2 meters and hovers.

SHUT DOWN THE DRONE

Method 1:
Push the left control stick of the remote controller to the lowest position for 2-3 seconds, and then the drone shutdown.
Method 2:
When the drone is in flight, press the "One Press Landing" button, and the drone slowly descends to the ground and shut down the drone.

FLIGHT OPERATION MANUAL

Push the left controlstick upward, and the drone rises; Push the left controlstick downward, and the drone descends.

Push the right control stick upward, and the drone moves forward; Right control stick is pushed downward, and the drone moves backward.

Push the left controlstick to the left, and the drone rotates to the left; Push the left controlstick to the right, and the drone rotates to the right.

Push the right control stick to the left, and the drone moves towards the left; Push the right control stick to the right, and the drone moves to the right.

CAMERA ANGLE CONTROL

The viewing angle of the PTZ camera can be adjusted through the up or down button of the remote control steering gear, (as shown in the figure)

Camera down adjustment
Camera up adjustment

ONE PRESS TAKEOFF/LANDING

1. After unlocking the drone, press the "One Press Takeoff" button on the remote controller, and the drone will automatically rises to a height of about 1.2 meters and hovers.
2. When the drone is flying at high altitude, press the"One Press Landing" button on the remote controller,and the drone will slowly land. During the descent process,you can control the drone to land at a designated location through the right control stick and the propellers will stop rotating.

HIGH AND LOW SPEED SWITCHING

During flight, you can press this function key to switch between forward, backward, left, and right flight speeds. The default setting when powering on is in low speed gear. Press this function key once to switch to medium speed gear, and the remote controller buzzer emits two "tick" sounds. Press this function key again to switch to high speed gear, and the remote controller buzzer emits three "tick" sounds. Press this function key again to switch pack to low speed gear, and the remote controller buzzer emits one "tick" sound.

360°FLIP

Short press the "360°Flip" button, and the remote controller buzzer emits a "tick" sound. Push the right control stick and the drone rolls in the direction of the push,At the same time, the sound disappears, the drone enters the normal mode.

Note: When the battery is fully charged, the rollover effect is best, Unable to roll when under low power.

LOW POWER MODE

During flight the drone indicator light flashes slowly or the remote controller continuously emits drip" sounds, indicating low battery power and the need to end the flight,Flying with low power can cause the drone to fall out of control and damage.

HEADLESS MODE

When the drone is taking off, the remote controller must be facing the tail of the drone.After the takeoff is completed, press the remote controller "Headless Mode" button to enter the Headless Mode, The drone lights flash, and the remote controller buzzer emits a "tick" sound, Press the Headless Mode button again to exit the Headless Mode.

Head
Front

Note: When the direction of the remote controller changes, it is necessary to recalibrate the drone.

AUTO RETURN

Long press and hold the "Auto Return" button, and the drone will fly backward parallel along the original takeoff path, Long press and hold the button again to exit the return mode. Manipulate the right control stick forward and backward movements to interrupt this function during the return process.

REMOTE CONTROL PHOTO AND VIDEO RECORDING

1. Short press the remote controller photo button and the indicator light behind the drone quickly flashes.
2. Long press and hold the remote controller photo button and the indicator light behind the drone flashes quickly, indicating that the drone is recording video. Press and hold the remote controller photo button again, and the indicator light behind the drone will turn on permanently, indicating that the drone has exited the shooting status.

NOTE

1. Remote control distance: 80-100 meters. The drone beyond this distance will not be subject to remote control. The drone is not equipped with a GPS locator and cannot return automatically beyond the remote control range. The Auto Return function provided by this drone needs to be within the remote control range for normal operation.
2. Video transmission distance: 50 meters. Beyond this distance, the drone will not be able to transmit back the video.
3. It is recommended to install propeller guards when using it otherwise multiple severe collisions may cause damage or insensitive response of to the drone resulting in inability to fly normally.

APP OPERATING GUIDE

Scan the QR code below or search "X69 DRONE" in the APP Store or Google Play to download the App.

Google play
For Smart Phone with Android 6.0+:
Search and download "X69 DRONE" from Google Play,
Or scan the QR code below to download.

Available on the
App Store
For Smart Phone with IOS 11.0+:
Search and download "X69 DRONE" from the App Store.
Or scan the QR code below to download,

TECHNICAL SUPPORT

For technical support or 24/7 customer service, please email us. If you receive a defective item, contact us via Amazon for a replacement or refund. We sincerely apologize for any inconvenience and are committed to providing you with full support.
Email: support@maker2service.com

Connect drone and app

In the process of using the app, you will encounter some app permission dialog boxes, Please allow the app to use these permissions, otherwise some functions of the app will not work properly, Such as:

" X69 DRONE " would like to find and connect to devices on your local network You will be able to discover and connect to devices on this networks
Don't Allow   Allow

Allow " X69 DRONE " to use camera while you are using the app?
Allow   Don't Allow

Allow " X69 DRONE " to access photos andmusic on your device?
Allow   Don't Allow

1.Open " X69 DRONE ", When you use this app for the first time, you will encounter a login registration page. Please disconnect the phone from the drone and use the data network or WiFi to log in, then exit the app interface;

2.Power on the drone.
3.Click the "Settings" menu on the phone to enter the WiFi settings page and turn on the WiFi switch.
4.Find the specified WiFi name " X69DRONE_XXXXXX " in the WiFi list, click the connect button, wait for the connection to succeed, and then exit the "Settings" interface. The WiFi will display "No internet Connection" which is normal and you don't need to worry about it, proceed to the next step as usual.

Settings   WLAN   Edit
WLAN
X69DRONE_XXXXXX
No Internet Connection

5.Open "X69 DRONE"enter the interface shown in the figure, click the screen to enter the control interface, and then you can see the video transmitted by the drone camera.

Note:
If you need to use the functions under the "Control Switch" button in the app, such as Trajectory Flight, and Gravity Mode, You need to turn off the remote controller to disconnect it from drone, connecting the drone to the phone APP independently.

Control interface function

1. Tilt camera up   7. Control switch   13. Headless
2. Tilt camera down   8. Support   14. Gravity sensing
3. Return   9. Trajectory flight   15. Geomagnetic calibration
4. Camera   10. Speed switch   16. Take off
5. Video   11. 360°Flip   17. Land
6. Album   12. Gesture photography 18.Emergency stop
                              /video recording

Function

Trajectory Flight

1. Turn on the "Control Switch", click the "Trajectory Flight" button, and the interface shown in Figure 1 will pop up. Draw the route trajectory on this interface, and the drone will fly according to the route.
2. After the dialog box depicts the trajectory, the drone will fly according to the displayed trajectory.
Note: The "Trajectory Flight" function can only be used normally when the drone is hovering.

Figure 1

Gravity Sensing

Turn on the "Control Switch", click the "Gravity Sensing" button, press the phone screen with your finger all the time while performing the tilt operation, and the drone will fly in the direction of the phone's tilt.
Note: The "Gravity Sensing" function can only be used normally when the drone is hovering, Left-hand throttle/Right-hand throttle

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Gesture Photography/Video Recording.

Yeah Gesture Photography

Make a "yes" gesture at about 2m in front of the drone camera. After successful recognition, the camera starts counting down and automatically takes pictures after 3 seconds

Palm Gesture Video Recording

Make a "palm" gesture about 2m in front of the drone camera. After successful recognition, the camera starts counting down and automatic recording begins after 3s. Make the "palm" gesture again to end the video recording (the time interval between each recognition should be greater than 3s).

Suggestions:

In order to improve the recognition rate of the camera, please try to point the object directly at the lens and try to fly in a well-lit environment. When the WiFi signal is weak or the signal is interfered with, the recognition rate of the camera will also be low.

WARNING

1. When the drone is in the following environment, the fixed hover effect is poor.

2. In places with dense WiFi signals, the smoothness of video transmission is prone to interference.

Precautions for Use and Solutions to Common Problems

Requirements

1. Software requirements: IOS system 10.0 or above, running memory 1G or above,
2. Hardware requirements: iPhone 6 and above,
3. Requirement: Please allow network connection during use,

Exception handling of No Video Transmission on app

1. Check whether WLAN and cellular mobility are enabled in the APP settings.
2. Confirm that the WiFi name connected to the phone is "X69DRONE_XXXXXX".
3. Restart the application and reenter.

Reconnect failed

1.Reconnect WiFi, and make sure you forget other networks.

Application Crash

1.Please contact us or update the application.

OVERHAUL PROCEDURE

Problem	Reason	Solution
The drone doesn't respond	1. The drone enters the low electric protection mode, 2. The remote controller battery is low, and the power indicator blinks.	1. Charge the drone. 2. Replace the remote battery.
The drone is not responsive	1.The remote controller has low power, 2.Remote controllers with the same frequency are being interfered with.	1. Replace the battery, 2.Change to a place where there is no interference of the same frequency.
Fly sideways while hovering	1.Horizontal calibration is not performed.	1. Perform horizontal calibration again, see page 4 (Horizontal Calibration)
Deviation from straight ahead direction under Headless Mode	1.Deviation caused by multiple collisions.	1.Redefine the front direction, see "Headless Mode" on page 7 for details
Unstable height setting/ up and down movement	1. Horizontal calibration is not performed, 2.The atmospheric pressure is unstable under severe weather conditions, 3. Severe collision causes gyroscope data disorder,	1. Perform recalibration again, see page 4 (Horizontal Calibration) 2. Try to avoid flying under severe weather conditions. 3. Perform recalibration again, see page 4 (Horizontal Calibration)

IOS   Android