Mi Drone Mini User Manual · 1
Read this manual carefully before use, and retain it for future reference

Manual de usuario de Mi Drone Mini · 16
Lea detenidamente este manual antes de usar el producto y consérvelo para futuras consultas

Руководство пользователя Мини-дрона Mi · 29
Перед использованием устройства внимательно прочитайте данное руководство и сохраните его
Возможно, оно понадобится вам в будущем.

Manuale utente per Mi Drone Mini · 42
Leggere questo manuale attentamente prima dell'utilizzo e conservarlo per la consultazione in futuro

Mode d'emploi de Mi Drone Mini · 55
Lisez attentivement ce manuel avant toute utilisation et conservez-le pour pouvoir le consulter ultérieurement
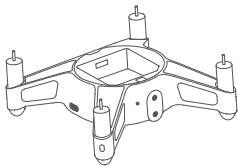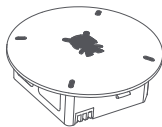
Safety Instructions

1. Do not use this product in areas prohibited by government regulation and policy, such as airports, densely populated areas and so forth.

2. The Mi Drone Mini is not suitable for use by children 14 and under nor by any individuals who may not be fully capable of using it.

3. Choose a non-windy environments with good access to light and clear terrain.

4. Make sure that you keep this product within your line of sight and range of control at all times to avoid losing the drone as it does not come equipped with a GPS.

5. Be sure to use officially approved propellers, chargers, batteries, and other such accessories to ensure the drone's operating life and flight safety.

6. This drone is composed of materials such as metal, plastic, precise electronics, etc. and should therefore be kept away from heat sources and prolonged exposure to direct sunlight.

7. Ensure that you keep the drone away from crowds, animals, trees, vehicles, buildings, and so forth during flight to guard against potential risks in connection with its high-speed propellers.
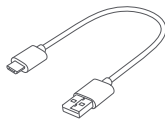
Product Overview

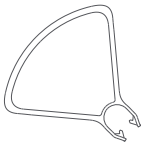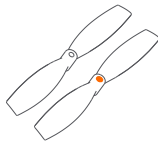## 1. List of Product Accessories

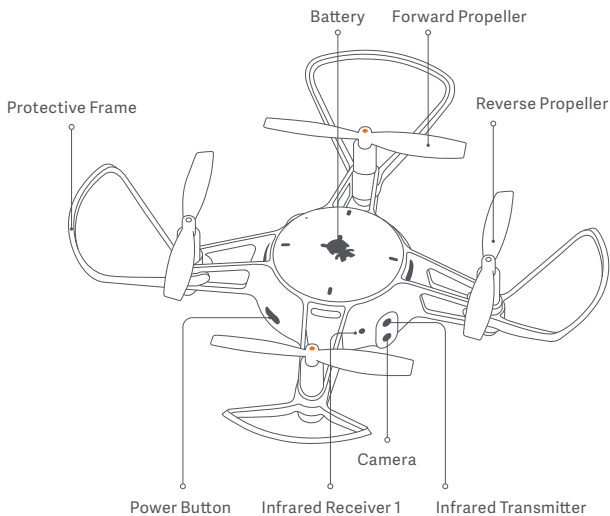Mi Drone Mini × 1

Battery × 1

USB Cable × 1

Propeller Guard × 4

Forward Propeller × 3
Reverse Propeller × 3

User Manual × 1

2. Component Instructions

Battery

Forward Propeller

Protective Frame

Reverse Propeller

Power Button

Infrared Receiver 1

Camera

Infrared Transmitter

Ultrasonic Probe

Orange Indicator Light

Optical Streaming Camera

Silicon Base

Blue Indicator Light

Base

Battery Release

Infrared Receiver 2
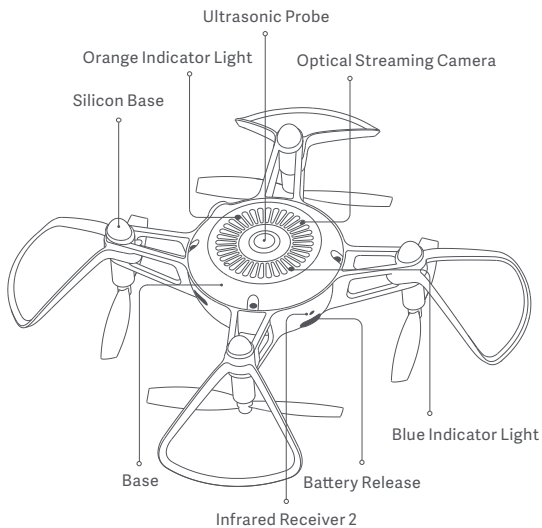
Installing and Disassembling

1. Installing and Disassembling the Battery

Installing: Place the battery inside the drone's battery compartment and ensure that the arrow on the cartridge is pointing in the same direction as the battery release. Press the battery into place, making sure that both ends are firmly and tightly in place. There will be a clicking sound as the battery is properly set into place.

Disassembling: Press down on the battery release button until the battery turns upwards. Remove the battery.

Battery Release
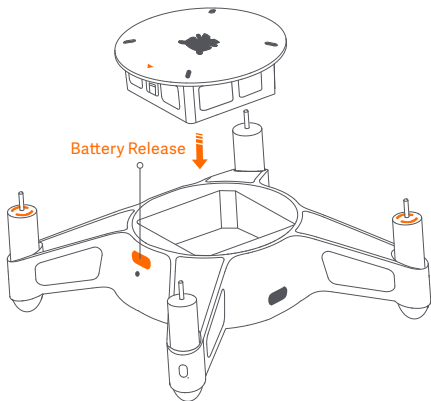
Note: Ensure that you disconnect the device from any power sources and take out the battery if you are not going to use it for an extended period of time.

Installing and Disassembling

2. Installing and Disassembling the Propellers

Installing: Install the propeller marked with orange on the shaft marked with orange and press into place.

Disassembling: Tightly grip the machine with one hand while gripping the propeller shaft with the other as you forcefully pull the shaft upwards, which will allow you to remove the propeller.
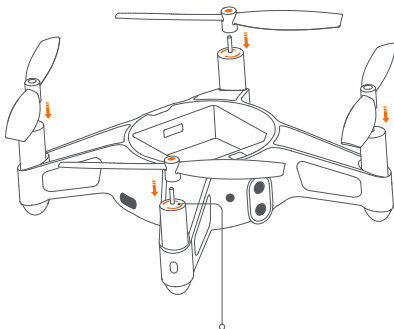
Orange Marking

Note: Illustration for an installation to the orange marking

Attention: To avoid any loosening of interfaces caused by wear, do not frequently disassemble the propeller. If the propeller has been dismantled many times, before use, you should check the firmness of its connection with the motor shafts to ensure safe use.

Installing and Disassembling

3. Installing and Disassembling the Protective Frame

Installing: Line up the protruding points on the protective frame with the sunken grooves on the drone and insert them together. Tightly press both sides of the frame into place after the sunken grooves and protruding points have completely interlocked.

Disassembling: Lightly pull on the clip on one of the ends of the protective frame outwards until the frame has separated from the inside of the drone, at which point the protective frame can be fully removed.

Sunken grooves on the frame
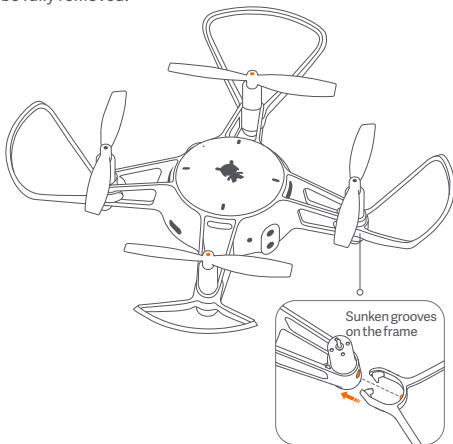
Alignment of the protruding points of the protective frame with the sunken grooves on the frame

Preparing the drone

1. Recharge the battery

a. Please connect the USB cable that came with this product to a 5V power compatible device or mobile power supply to recharge the drone.

b. When being charged, the Mi Drone Mini will shut down and the blue light will flash; after charging, the blue and orange lights will stay on. It takes about 60 minutes for the drone to be fully charged.

Charger

Pre-installed
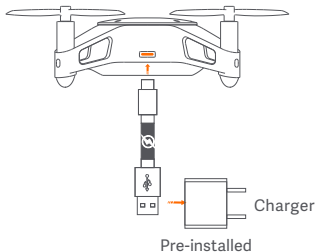
Warning:

a. It is prohibited to disassemble, puncture, strike, crush or apply fire to the battery.

b. Do not expose the battery to sunlight, flames, or other such high temperature conditions. Do not continue to use the battery if you discover swelling or fluid leakage.

2. Precautions before takeoff

a. Ensure the machine has sufficient power.

b. Make sure that the propellers have been installed according to the orange markings.

c. Choose a non-windy environment for your flight with good lighting and clear terrain.

Operating Instructions

1. Turn the drone on

Turn on: Press the drone's power button for 2 seconds or longer, and the orange light at the base of the drone should light up when the drone is on.

Turn off: Press the power button on the drone for 3 seconds or longer, and the indicator light at the base of the drone should disappear when the drone is off.
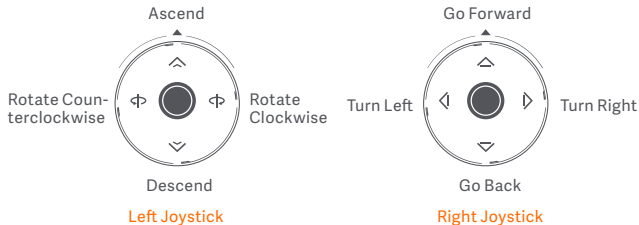
2. Download and install the Mi Drone Mini app

3. Connect the drone to your mobile phone and log in

a. Open the Mi Drone Mini app and enter your username and password at the login interface. You will enter the the app control screen after your login details have been verified.

b. Follow the prompts in the app to operate the drone. Connect to the device whose Wi-Fi name and default password are "MiDroneMini_ XXXXXX" and 123456789 respectively. If you cannot find this Wi-Fi or the connection fails in the Mi Drone Mini app, please exit the app first, then connect to "MiDroneMini_ XXXXXX" via the Wi-Fi settings of your mobile phone, and return to the app and then wait for a few seconds. You should then be able to operate it normally.

c. If you forget the SSID or password, then you can reset the Wi-Fi and restore the default SSID and password by pressing the power button eight times in a row.The drone will automatically restart after you have reset the Wi-Fi. Do not try to turn the power off before the drone has finished restarting.

4. Joystick control

Ascend

Rotate Counterclockwise

Rotate Clockwise

Descend

Go Forward

Turn Left

Turn Right

Go Back

Right Joystick

Illustrated with an American hand

Joystick settings can be modified from the Mi Drone Mini app

5. Photos/Video

Photos: tap " 📷 " once to take one photo.

Video: Tap" 📹 " to start your video and then tap" 📹 " again to finish recording.

Note: Photos or videos can be downloaded to your phone directly through the app or downloaded through the drone (when it's on) via a data cable to your computer.

6. Smart flight and control

One Tap Ascend Descend

Palm Takeoff

Infrared Battle

G-Sensor

Four Directional Roll

Headless Mode
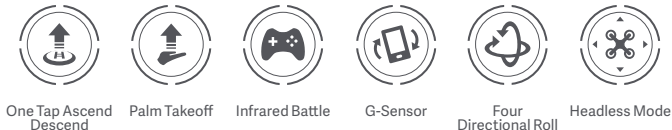
One Tap Ascend/Descend: Tap " ⊙ "once the drone is ready to fly and you can select either 'One Tap Ascend' or 'Palm Takeoff'; " ⊙ " will automatically become " ⊙ " when in flight, and" ⊙ "will begin an automatic, slow descent.

Palm Takeoff: place the drone in the palm of your hand after it has finished initializing. Tap the Palm Takeoff button when the drone is ready and the propellers will gradually move the plane up and away.

Infrared Battle: Tap " 🎮 " to enter Infrared Battle Mode where you can interact with other users.

G-Sensor: Tap " 🕹 " to initiate G-Sensor Control Mode. The left joystick will control the drone's ascent, descent, and path. Press the area to the right of the joystick to control the drone so that it flies left/right or forward/back based on your phone's G-Sensor.

Four-Directional Roll: Tap" 🔄 " to select a mode where you can roll forwards, backwards, left, and right.

Headless Mode: While the drone will always re-orientate itself in other modes, Headless Mode will lock the drone to the forward direction it was facing during initialization. Thus, its 'forward' direction will remain unchanged even if something pushes the drone around.

7. Pairing and connecting the drone to a Bluetooth Joystick

a. The drone is compatible with third-party Bluetooth Joysticks, such as the Mi Bluetooth Handle, and so on.

b. Wait until the orange light has started to blink slowly after turning on the drone; press the power button 3 times in succession, and the orange and blue lights will start to blink quickly. It has now entered Bluetooth pairing mode.

c. Press the Bind Key on the Bluetooth Handle to initiate pairing. The Bluetooth Handle indicator light will start to blink rapidly (this may vary slightly with different handles).

d. The Bluetooth Joystick indicator light will remain on after it has been paired and both lights on the drone will continue to blink slowly.

e. You do not need to do anything more than turn on the drone and Bluetooth Joystick when they have been previously paired.Check the drone's indicator lights to see whether the pairing has indeed occurred.

Note: See the Mi Drone Mini app for more information on the definitions associated with the Bluetooth remote buttons.

8. Firmware upgrades

It is best to upgrade the firmware as prompted by the Mi Drone Mini app. Firmware upgrades will help you experience the newest features that the product has to offer.

9. Indicator light definitions

Indicator Status	Drone Status
The orange light is off and the blue light is blinking	During charging
Both lights remain on	Fully charged
The orange light is blinking and the blue light is off	The app (or Bluetooth Handle) is not connected to the drone
Both lights are blinking slowly	The app (or Bluetooth Handle) is connected to the drone
Both lights are blinking rapidly	Low battery
The two lights are blinking alternately	Ready to pair Bluetooth
The orange light is on and the blue light is blinking	U-Disk Storage Mode

Maintenance

1. The Propellers

The propellers are easily damaged. Ensure that you replace the propellers as soon as you discover any wear and tear or damage otherwise the drone's regular abilities may be affected.

2. The Protective Frame

The protective frame is easily damaged. Ensure that you replace the frame as soon as you discover deformation or damage.

3. The Battery

Do not put the battery in a flame; do not handle the battery roughly; the storage capacity of lithium-ion batteries will be significantly reduced in very low temperatures. Do not use the batteries in an environment under 0°C.

Specifications

Name: Mi Drone Mini

Model: YKFJ01FM

Dimensions: 91 x 91 x 38 mm

Shaft Distance: 114 mm

Net Weight: 88 g

Battery Capacity: 920 mAh

Charging Time: Approx. 60 min

Battery Life: About 10 min

Operating Temperature: 0℃~40℃

Wireless Connectivity: Wi-Fi IEEE 802.11a 5GHz

Input: 5V   1A

Controllable Range: 50 m

Controllable Height: 25 m

Storage Space: 4 GB

Auxiliary Positioning Devices:

Ultrasonic + Visual Sensor

Max. photo resolution: 1600 x 1200

Max. video resolution: 1280 x 720

Environmentally friendly disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

CAUTION

RISK OF EXPLOSION IF BATTERIES IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCIONS.

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.

Please note that 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 in-stallation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF

exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.