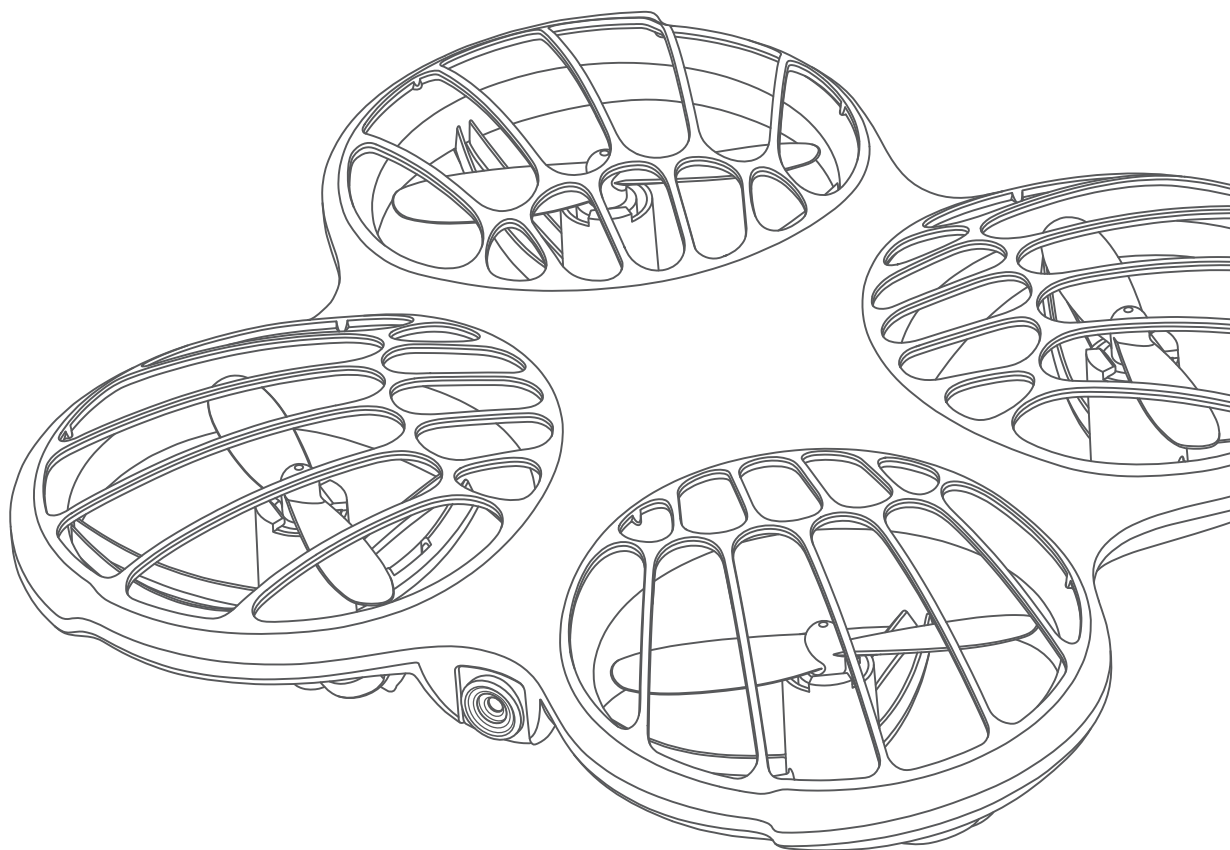


Morpho

■ CAMERA MINI DRONE

FOR AGES
14⁺



USER MANUAL

Please read this manual carefully before flying and keep it for future use.

V1.03



Where Sky Exploration Begins

Thank you for choosing our product and putting your trust in us.
Contact us if you have questions or concerns about the product.

✉ NA: support.na@ametasmart.com

EU: support.eu@ametasmart.com

☎ NA: +1(800)-531-0915 (Mon-Fri)

We hope our products will make flying a whole new experience for you!

Please read the manual carefully for the best use of this product.

- For your safety, please follow the rules and safety guidelines whether you're a beginner or an expert at flying drones.
- According to the relevant laws and regulations in US, all drones must be registered, except those that weigh 0.55 pounds or less (less than 250 grams) and are flown exclusively under the Exception for Recreational Flyers. Please log in to the website of <https://faadronezone-access.faa.gov/#/> to complete the registration.

Make sure to observe local laws and regulations about the take-off weight. If the buyer does not register timely, Ameta will not be responsible for any losses, penalties and injuries caused by illegal flights.

- To meet the electromagnetic requirements of aviation on the radio station, it is forbidden to fly drones within 6.21 miles(10km) on both sides of the runway centerline, or within 12.43 miles(20km) of both ends of the runway. It is also prohibited to fly a drone on the route of an airline. In the area that is prohibited by the relevant authority or department of your country, stop using all flying models and unmanned quadrotors.
- Please download the B4UFLY App from Google Play or App Store, which provides real-time information about airspace restrictions and other flying requirements based on your GPS location.
- Beginning September 16, 2023, all drone pilots who are required to register their UAS must operate in accordance with the rule on Remote ID.

ENGLISH

CONTENTS

FLIGHT SAFETY	01
BATTERY SAFETY	02
WHAT'S INCLUDED	03
PRODUCT OVERVIEW	04
Drone	04
Remote	05
FIRST-TIME USE	06
Flight Preparation	06
Connect the Ameta Morpho App with Your Drone	08
Flight Control	09
Flight Directions	10
FUNCTIONS	11
One Key Take-off and Landing	11
Circle Fly	12
Doodlefly	12
3D Flip	13
Emergency Stop	14
Throw to Go	15
Light Mode Switch	15
FN (Custom Function)	15
Headless Mode	16
Find Your Drone	17
DRONE'S LIGHTS	18
BEEPS EXPLANATION	18
SPECIFICATIONS	19
Drone	19
Camera	19
Remote	20

FLIGHT SAFETY

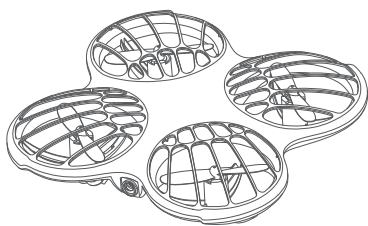
* This drone is exclusively designed for indoor flying. Please do not use it outdoors to prevent the risk of losing it.

1. For the safety of your property, keep the drone within your visual range during flight.
2. The drone is made of materials including metal, fiber, plastic, and electronic components. Avoid prolonged exposure to direct sunlight and keep them away from any heat sources. Excessive heat can cause deformation and damage.
3. The drone consists of various precision electronic and mechanical parts. Therefore, make sure that moisture and water do not enter the drone to prevent mechanical or electronic component failures that could lead to accidents.
4. The performance of the drone and battery can be affected by environmental factors such as air density and temperature. Exercise caution when flying at altitudes above 3281 ft (1000 m) above sea level, as the performance of the battery and drone may be reduced.
5. To avoid interference between the drone and other wireless devices, please turn off other wireless devices while using the drone.
6. Avoid flying in areas where magnetic or radio interference may occur, such as near Wi-Fi hotspots, routers, Bluetooth devices, high-voltage power lines, high-voltage power transmission stations, mobile base stations, or broadcast towers. Flying in areas where interference can disrupt communication between the drone and remote may adversely affect flight direction and positioning accuracy, possibly resulting in loss of control. Interference can also cause errors in the video downlink connection.
7. Be cautious around children. Avoid placing fingers in the rotating propellers.
8. Inside the packaging are small accessories. Do not swallow them. Seek immediate medical help if accidentally ingested.
9. Secure valuable items during indoor flights to prevent accidental damage due to operational errors.

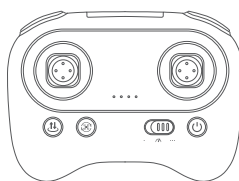
BATTERY SAFETY

- RISK OF EXPLOSION BATTERY IS REPLACED BY AN INCORRECT TYPE
- DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS
- BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY
- Under no circumstances should the battery touch any liquids. Avoid using the battery in rainy or wet conditions, as it may catch fire or explode unexpectedly.
- It is not allowed to use batteries that are not provided by the manufacturer. Additionally, it is advisable to use the package-included USB charging cable for charging the batteries.
- Batteries that are swollen, leaking, or damaged are strictly forbidden.
- It is recommended to use the battery between -10°C and 40°C; overheating may lead to a fire or explosion. A battery's performance can be adversely affected by extremely low temperatures.
- Do not insert or puncture the battery with any sharp object.
- Battery liquid is highly corrosive, so stay away if it leaks. If skin or eyes are contacted, rinse immediately with plenty of water and seek medical attention.
- Please keep the battery out of children's reach. Immediately seek medical attention if a child swallows parts.
- After being dropped or impacted, the battery should not be used again.
- Place the battery away from heat sources, such as a car in direct sunlight or on a hot day, a fire or a stove.
- To prevent a battery from entering an over-discharged state, avoid storing it for extended periods of time once it has been fully discharged. If a battery is over-discharged, the battery cell will be damaged and unable to be recharged.

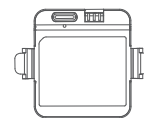
WHAT'S INCLUDED



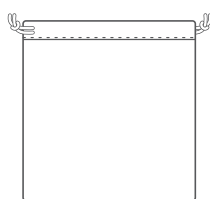
Drone x 1



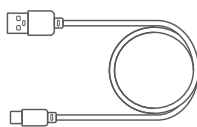
Remote x 1



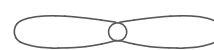
Battery x 2



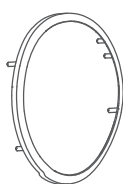
Storage Bag x 1



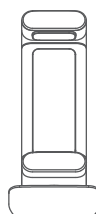
USB Cable for Charging x 1



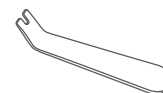
Spare Propeller
(A x 2, B x 2)



Spare Ring x 4



Phone Holder x 1



Removal Tool x 1



Screwdriver x 1



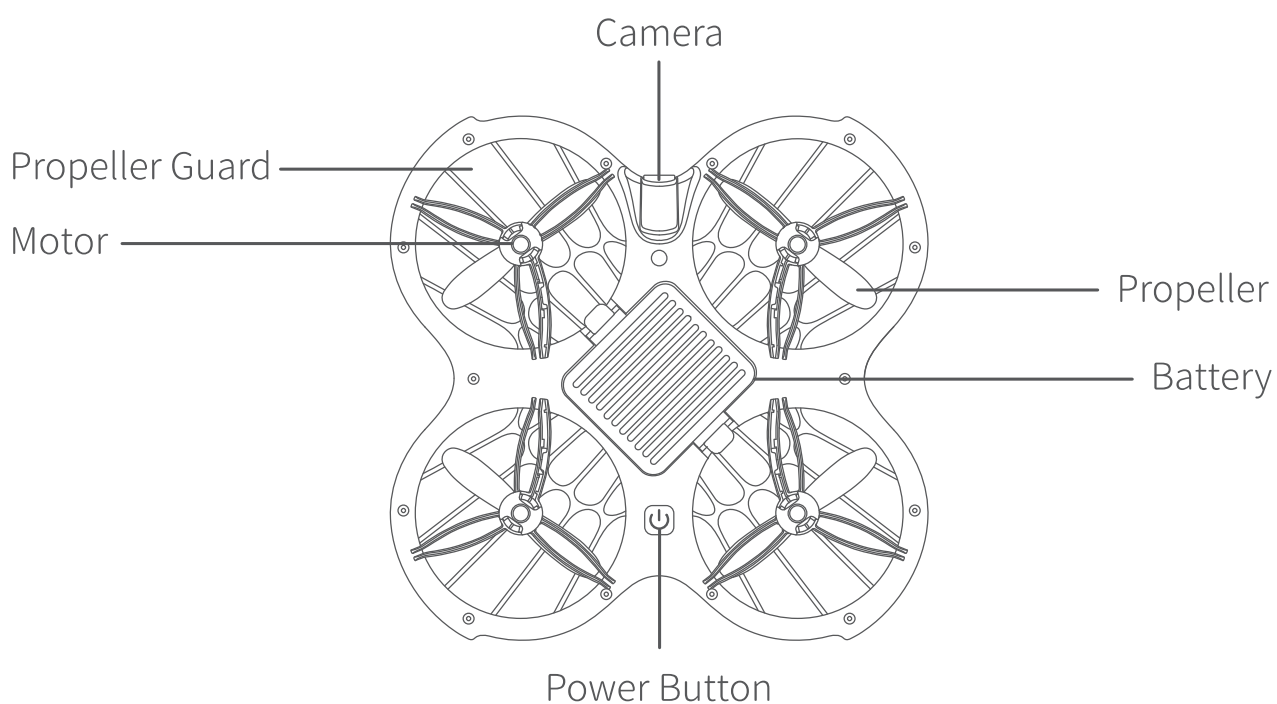
User Manual x1



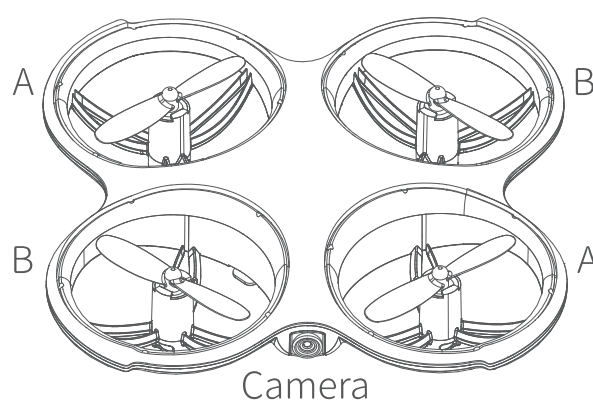
Quick Guide x 1

PRODUCT OVERVIEW

Drone



*How to Replace the Propeller Assembly (Optional)

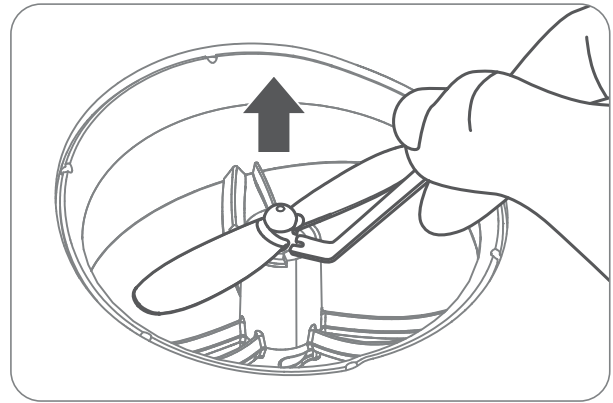


A propeller assembly



B propeller assembly

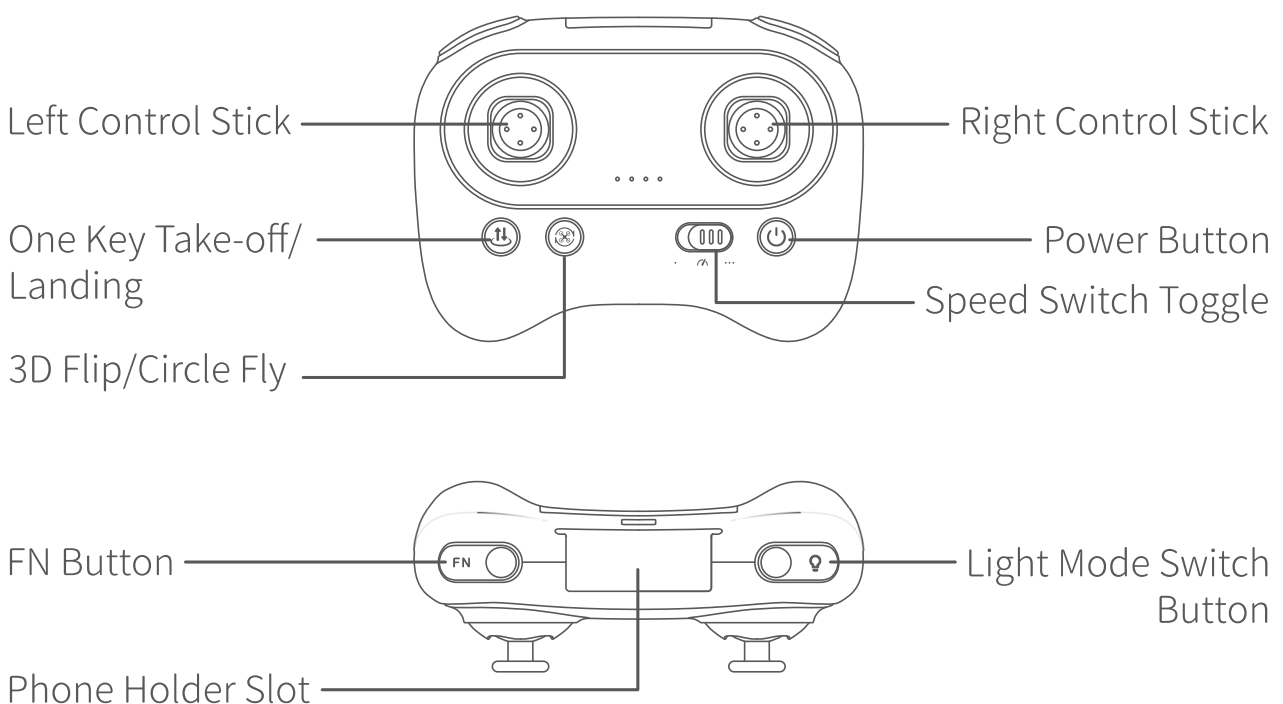
- 1 Carefully remove the propeller guard by lifting the pins one by one from the drone.
- 2 Insert the removal tool into the gap between the propeller and the motor. Gently pry the propeller upward to detach it, and then proceed to replace the propeller.
- 3 Align the pins on the propeller guard with the corresponding holes, and securely install the guard in place.



Note

You can replace propeller guards with the spare rings for longer flight time. Avoid inserting your fingers into the rotating propellers after replacement.

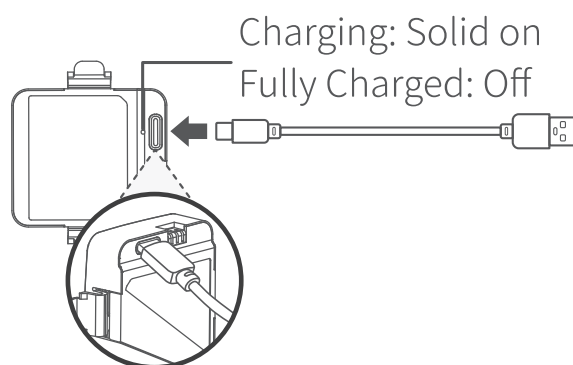
Remote



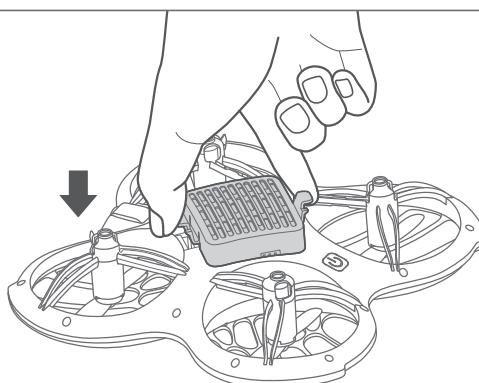
FIRST-TIME USE

Flight Preparation

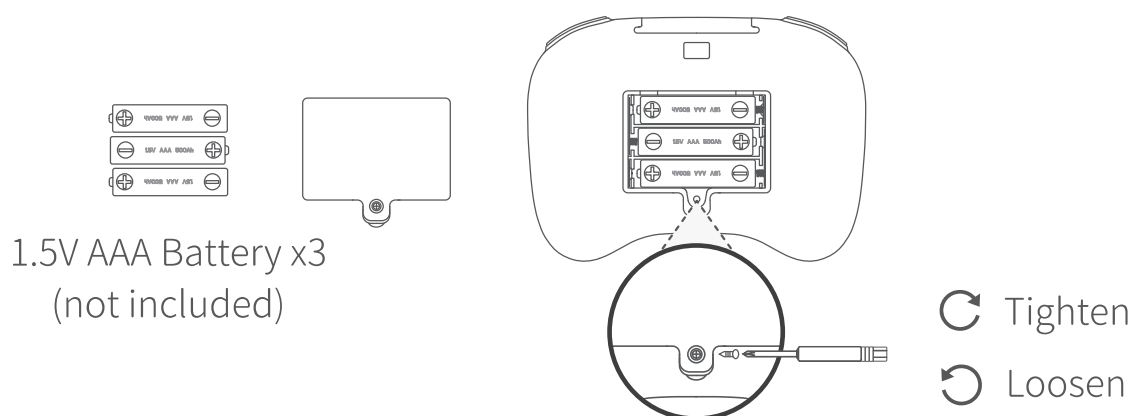
- 1 Charge the battery with the USB charging cable provided in the box.



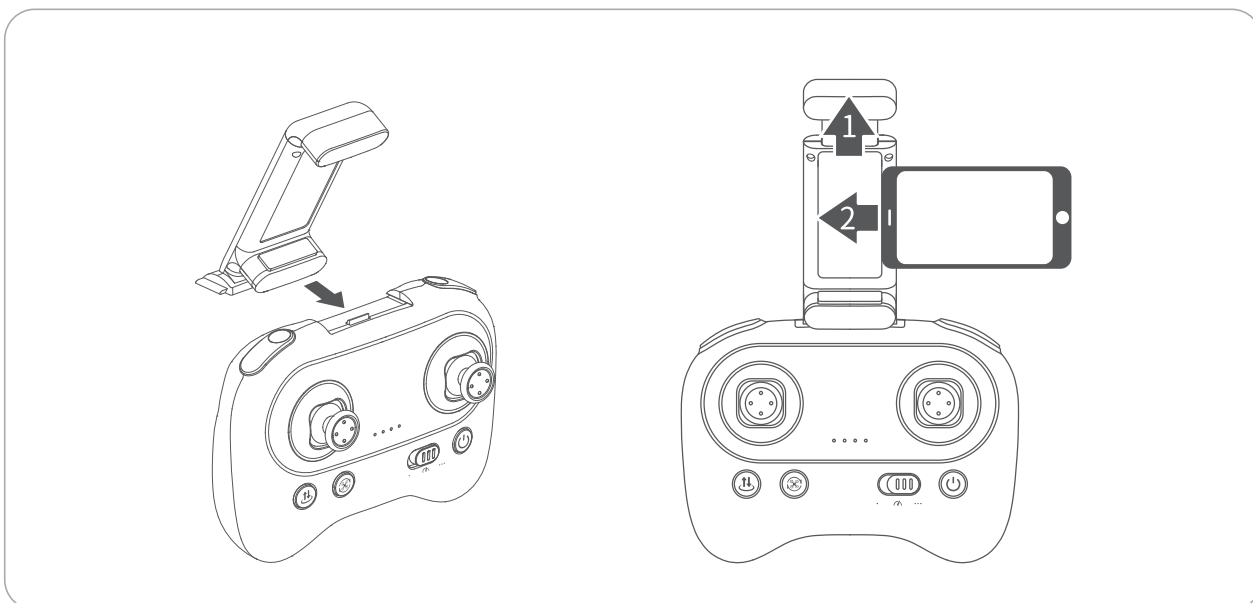
- 2 After fully charging the drone's battery, securely install it by inserting it into the drone until you hear a click sound.



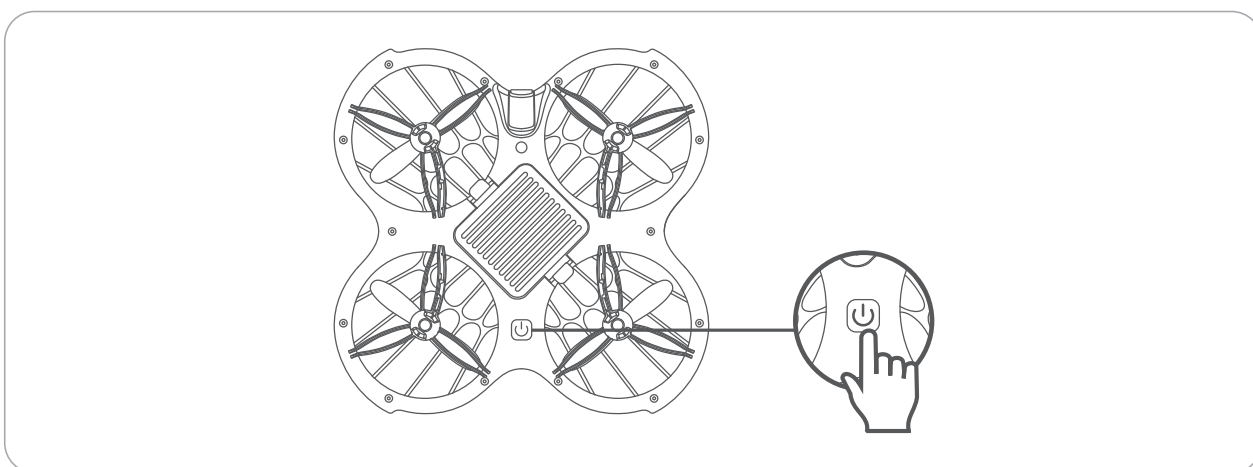
- 3 Insert 3 AAA batteries into the remote and tighten the screw.



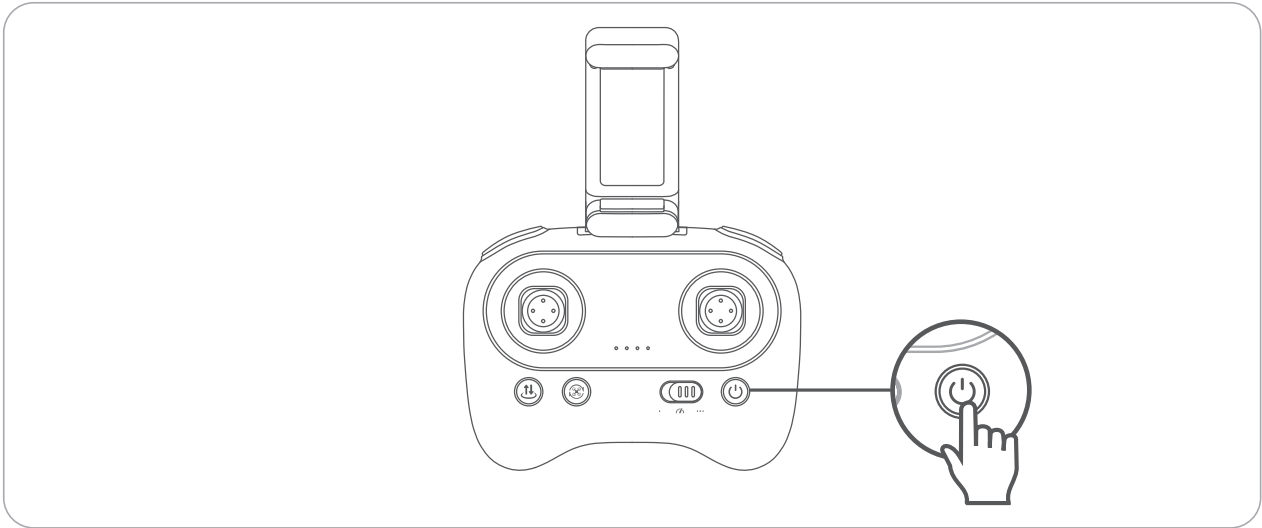
- 4 Attach the phone holder and securely place your device inside. To detach the phone holder, push the detach button on the remote downward while removing the phone holder.



- 5 Press and hold the power button for 3s on the drone to power it on, then place it on a flat and level surface, with the battery side facing down.



- 6 Press and hold the power button for 3s on the remote to power it on. The drone will automatically pair with the remote. If the pairing fails, power off the drone and remote, then try again.



Connect the Ameta Morpho App with Your Drone

- 1 Download and install **Ameta Morpho** from Google Play™/App Store™ or scan the QR codes below.

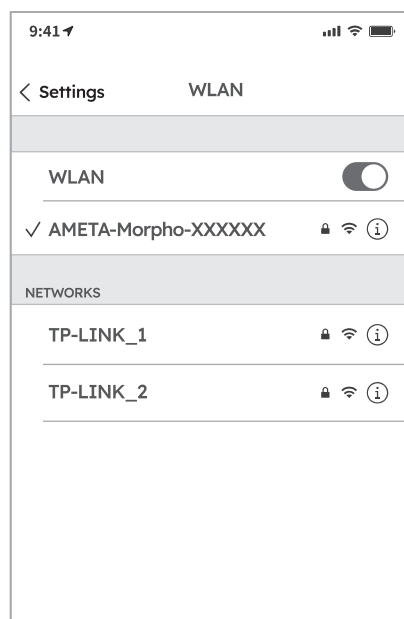


For Android 8.0 and later



For iOS 8.0 and later

- 2 Simply navigate to the WiFi setting of your mobile phone and search for **AMETA-Morpho-XXXXXX** WiFi to connect.



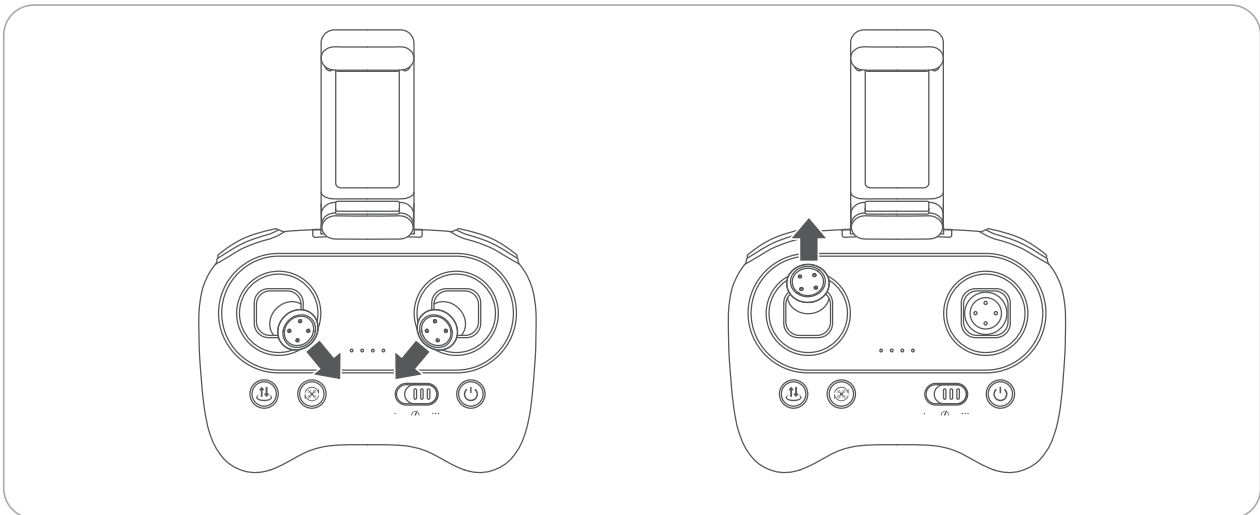
- 3 Launch the **Ameta Morpho** app, then tap **START** to enter the main page to see the live preview.

Flight Control

1. Take-off

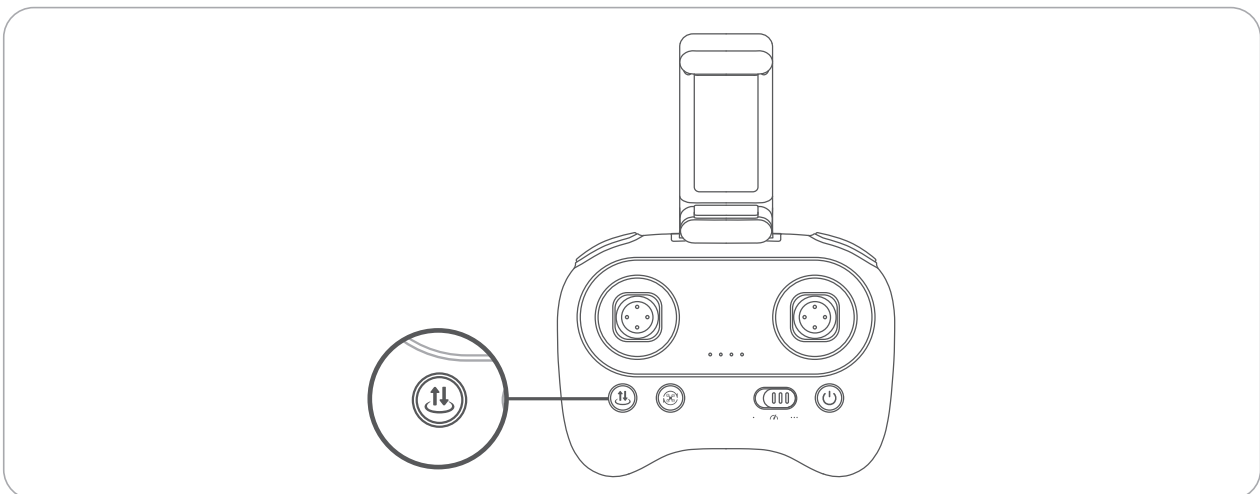
Option 1:

Unlock the drone by simultaneously pushing the **Right Control Stick** to the lower left at 45° and the **Left Control Stick** to the lower right at 45° until the 4 propellers start rotating. Then, push the **Left Control Stick** forward.



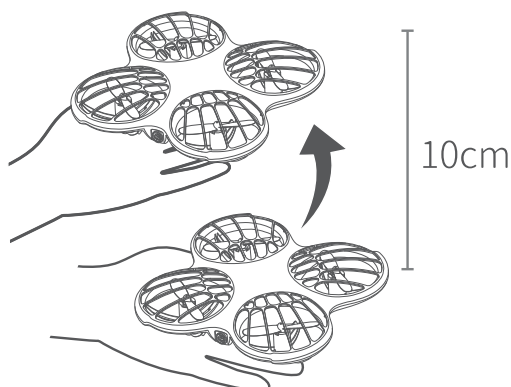
Option 2:

Press and hold the **One Key Take-off** button for 1s.



Option 3:

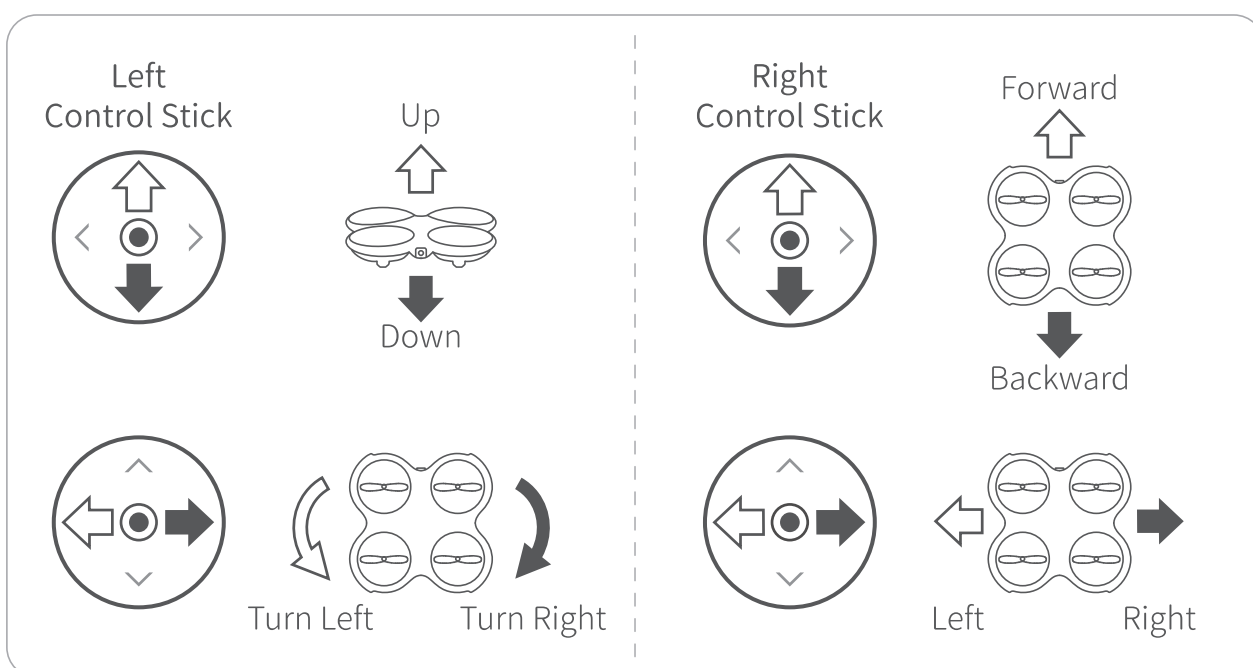
Place the drone in your palm right side up, then toss it into the air at least 10cm high.



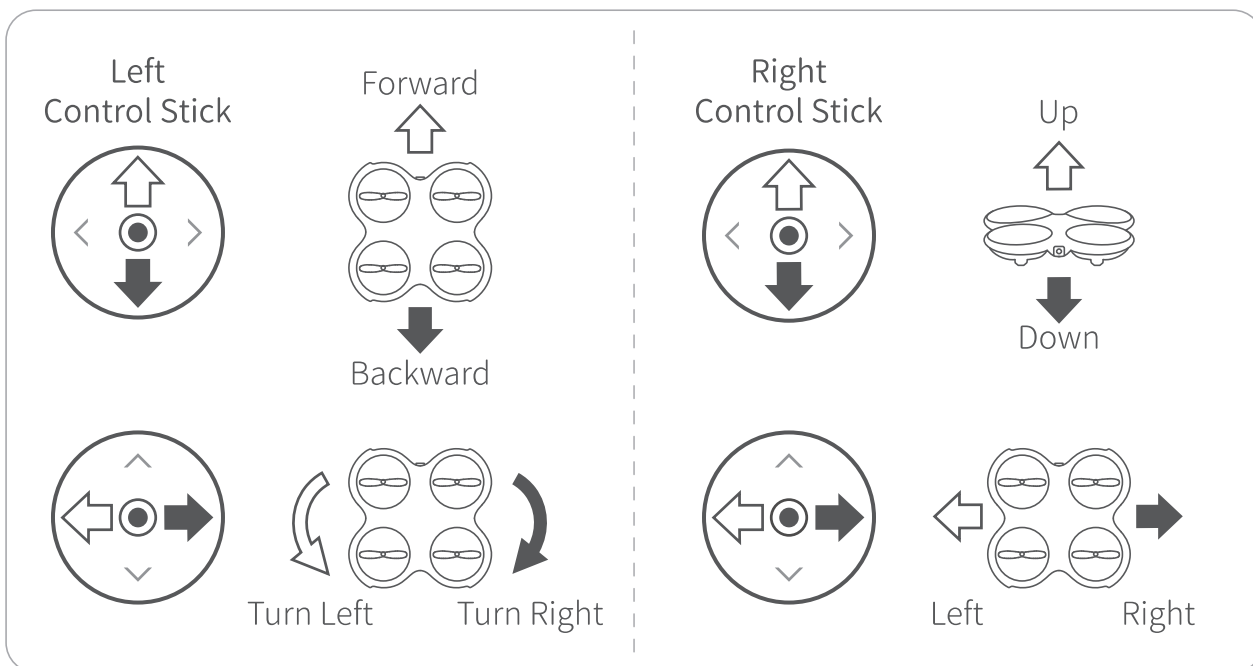
Flight Directions

The default remote mode is Mode 1 (used for manual illustration). To switch the remote mode: with the remote turned off, press and hold the **FN** button; while holding the **FN** button, press and hold the  button until the remote is turned on.

Mode 1



Mode 2



FUNCTIONS

One Key Take-off and Landing

* Take-off: Place the drone on a flat and level surface without any obstacles then press and hold the  button for 1s to make it ascend and hover at a height of 3.9ft (1.2m).

