

W1
Brushless Drone with GPS



User Manual

GPS



Battery Installation

Push the battery into the battery holder of the drone until the buckle on both sides of the battery automatically pops open. Check to make sure the battery is in place.

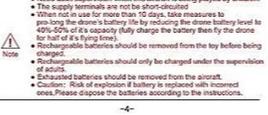
How to remove the battery

Press the orange button on both sides of the battery inward and pull it back at the same time. How to charge the battery of drone

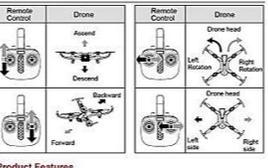
Connect the battery to the USB charging cable, which is then connected to the 5V 1.2A adapter USB cable, and the battery is recharged. When the battery is charged, the green light flashes slowly, and the red light blinks on Green and red lights stay on when full of electricity. When there is no charging, the red light is always on and the green light is off. When there is a fault, the red light will always be on, and the green light will flash quickly. The battery takes about 3.5 hours to fully charge.

Preparation for Flight

How to connect the signal of the drone with the remote controller



Fly the Drone



Product Features

Flight mode

Optical Flow mode

GPS mode

Low speed mode

One-key takeoff/landing

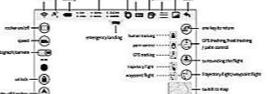
Smart Phone Application

Android/iOS Phone Software Download Instructions

IOS: Please download and install the software SYMA AIR from App Store, or scan the QR code.

Android: Please download and install the software SYMA AIR from Google Play, or scan the QR code.

For more information, please refer to the APP operation interface



Human tracking, Palm control, GPS Tracking, Trajectory flight, Waypoint flight, Surrounding the flight.

See APP operation for details.

AT	BE	BG	CZ	DK
EE	FR	DE	IE	IT
EL	ES	CY	LV	LT
LU	HU	MT	NL	PL
PT	RO	SI	SK	FI
SE	UK	HR		

Manufacturer: Guangping Syma Model Aircraft Industrial Co., Ltd.
Address: No. 2 West Xinyue Road, Intersection of North Xinyue Road, Lamei Industrial Park, Changde District, Shaoyou City, Guangxi Province, China. Postal Code: 512800

Sales department: +86 0754 8689060 After-sales service: +86 0754 8633095
Fax: +86 0754 8633095
Website: www.symanotes.net
Email: syma@symanotes.com

The company has the right of final interpretation of this user manual.

Important statement and safety guidelines

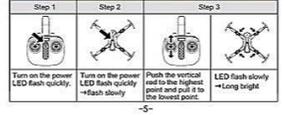
Safety Guide:

- Please keep both drone components and fresh of children.
- This drone is very powerful. When flying for the first time, avoid sudden movements. Please read this manual carefully before use and learn to fly before reference.
- Package should be kept in a secure and important information.
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Important statement and safety guidelines

Preparation for Flight

How to connect the signal of the drone with the remote controller



Headless Mode

Balance Calibration:

Low speed mode

One-key takeoff/landing

Front lens and lower lens function change function



Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Declaration of Conformity to CE:

"I hereby, GUANGDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO., LTD, declares that this drone is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU."

A copy of the full DoC is attached.

"FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons."

RF frequency band :2410-2478MHz
Transmitter power :-6.22dBm(MAX)
5G wifi camera frequency band :5725-5875MHz
Transmitter power :-6.22dBm(MAX)

Sold to EU country
product name: [Drone]
Brand name: SYMA
model number: [W1]
model number: [W1]
Contact person: Ivan
Tel:+86-0754-86381701

Hereby, [GUANGDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO., LTD], declares that this [Drone] is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.symanotes.net

SIMPLIFIED EU DECLARATION OF CONFORMITY

515 - 535 GHz band is restricted to indoor operations only in the following countries

AT	BE	BG	CZ	DK	EE	FR	DE	IE	IT	EL	ES	CY	LV	LT
LU	HU	MT	NL	NO	PL	PT	RO	SI	SK	TR	FI	SE	UK	HR

4. Important statement and safety guidelines

Product profile

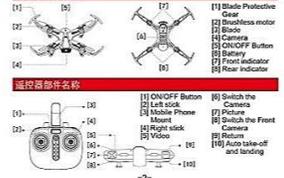
Product configuration

Accessory	x1	USB cable	x1	Data Propellers A/B	x2
Propellers	x1	Blade Protective Gear	x4	Mobile Phone Holder	x1
Remote Controller	x1				

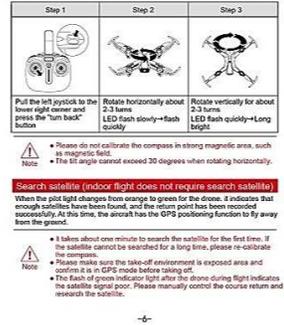
Technical parameter of the aircraft

Diagonal	215 mm	Overall height	60 mm	Gross weight	About 230g
Propellers	1815 2400V	Charging time	Charge time	Charging time	About 3.5 hours
Maximum flying time	About 12-14 minutes	Battery	7.6V 1300mAh 25C		

遥控器名称:



Drone compass calibration

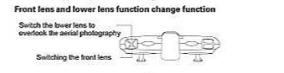


Search satellite (indoor flight does not require search satellite)

Picture/Videos

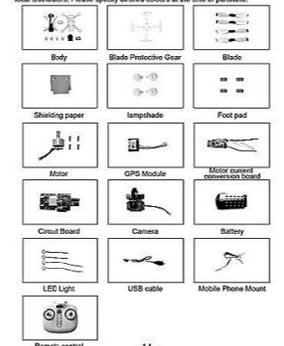
Automatic photo/video recording

Front lens and lower lens function change function



Accessories (Parts) (Optional)

Please, look through the parts below. For your convenience, we have specified every part and accessory. This part list is not intended to be used through local distributors. Please specify desired colours at the time of purchase.



Remote controller status indicator

No.	Remote controller status	Description
1	Front and rear lights flash yellow rapidly.	Optical Flow mode
2	Front and rear lights flash green rapidly.	GPS mode
3	Front and rear lights flash once, stop for 5 seconds.	Headless Mode
4	Front and rear lights flash twice.	In the video
5	Front and rear lights flash.	Signal connection status, Signal Calibration status
6	Front and rear indicator 1S flashes once.	Low voltage status
7	Front and rear indicator 1S flashes twice.	NO GPS signal
8	Front light glows solid red, rear light glows solid red.	Something wrong with the GPS module
9	Front light glows solid red, rear light flashes red rapidly.	GPS signal lack

Troubleshooting

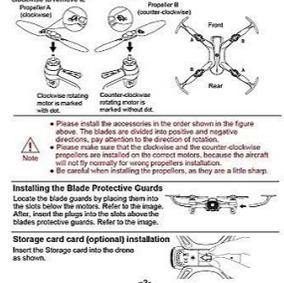
Problem	Reason	Solution
The drone does not respond.	1. The drone has activated low-voltage battery protection. 2. The transmitter's battery is low, the transmitter indicator light flashes.	1. Recharge the drone's battery. 2. Charge the transmitter's battery.
This transmitter does not respond.	1. The transmitter battery is low. 2. There is some frequency interference.	1. Change the transmitter's battery. 2. Change flying location.
The drone is unstable when flying or quickly drifts in the direction.	1. Balance calibration is needed.	Perform balance calibration.
When in headless mode, the drone's direction deviates.	1. Balance calibration is needed.	Re-set forward direction.
The drone does not take off.	1. Flight calibration is needed. 2. Flying the drone in severe weather, such as the rain. 3. Heavy wind impacts gyroscopes/sensors.	1. Perform balance calibration. 2. Avoid flying the drone in severe weather. 3. Perform balance calibration.

Product assembly

How to attach and detach the propellers

Attach propeller A: Align blade "A" with the machine arm engraved with "A" letter, press downward and rotate clockwise. When removing, just press the blade down and turn it clockwise to remove it.

Attach propeller B: Align blade "B" with the machine arm engraved with "B" letter, press downward and rotate clockwise. When removing, just press the blade down and turn it clockwise to remove it.



Installing the Blade Protective Guards

Slide the blade guards by passing them into the slots below the motors. Refer to the image.

Storage card card (optional) installation

Insert the Storage card into the drone as shown.

Fly the Drone

Method 1

Method 2

Disarming Motors

Method 1

Method 2

Method 3

Overflow/Protection

Return

Return point:

Out of control return

Return voyage with low electricity

Return point:

Return voyage with low electricity

Return point:

Return voyage with low electricity

Return point:

Return voyage with low electricity

Return point:

Return voyage with low electricity

Return point:

Return voyage with low electricity

Return point:

Return voyage with low electricity