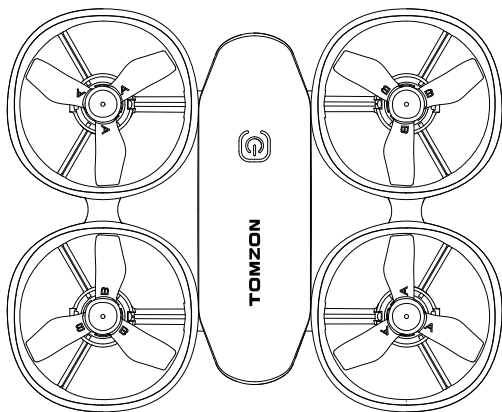


TOMZON



A23

User Manual

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Web: www.tomzontoys.com

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support.de@tomzontoys.com

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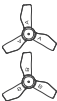
support.uk@tomzontoys.com

support.it@tomzontoys.com

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Pack List

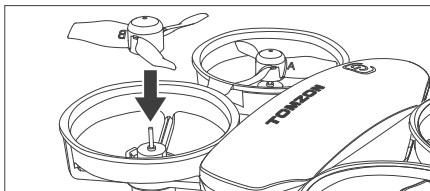
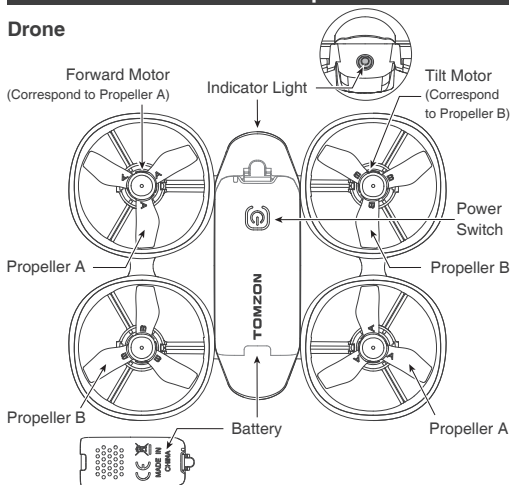
 Drone	 Remote Control	 Battery
 Propeller (A / B)	 USB Charging Cable	 User Manual

Safety Reminder

1. It is prohibited to use any type of unmanned aerial vehicle (UAV) within the area centered on the airport runway with a radius of 5,000 meters to ensure that the electromagnetic environment requirements for aviation radio are met. When radio control instructions are issued by the relevant national competent authorities, remote control equipment and UAVs shall not be used.
2. Please use the UAV indoors or in a warm, sunny, and windless outdoor environment. Use is prohibited under high temperature, low temperature, strong wind, thunderstorm, and other harsh weather conditions.
3. Users shall use the toy with caution, as skill is required to control flight and avoid collisions with the user, objects, or third parties. Ensure the required flight space/area is free of obstacles (whether used indoors or outdoors), and that the toy remains within the line of sight of the operator at all times, within the maximum operating distance.
4. After the UAV is activated, do not touch high-speed gears, propellers, or other components. Avoid loose clothing or hair from being entangled in the rotor blades, and never fly the UAV near the face.
5. It is recommended that adult supervisors instruct children on how to safely operate and fly the toy.
6. It is recommended to retain the user manual.

Product Description

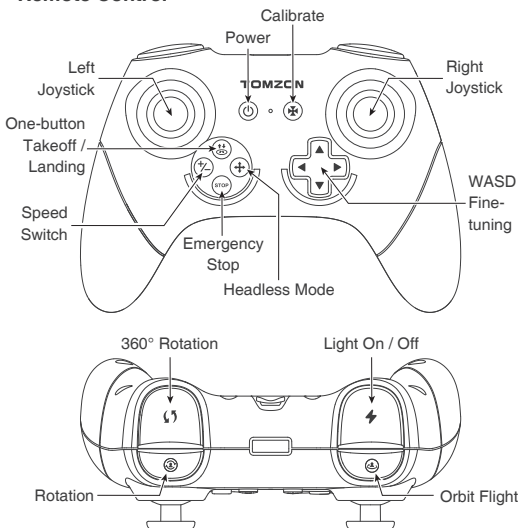
Drone



Tips:

The aircraft has two types of propellers ("A" and "B") marked A and B. Please match the Mark "A" or "B" while replacing the propeller.

Remote Control



Tips:

The drone supports two control modes: Mode 1 and 2.

Mode 1: Use the left joystick to make the drone fly up / down, rotate left / right; use the right joystick to make the drone up / down / left / right.

Mode 2: Use the left joystick to rotate to the front / rear / left / right; use the right joystick to make the drone fly up / down / left / right.

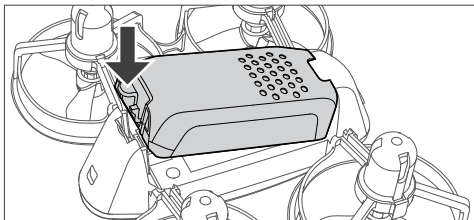
Note:

Mode 1 is the default setting. Please press “Set speed” button and turn on the remote control to switch to Mode 2. Take Mode 1 for example to introduce the control method of the drone.

Battery

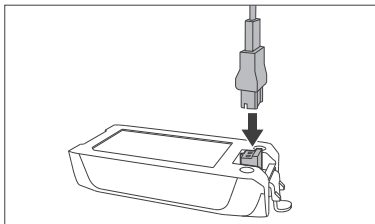
Battery Installation and Charging

1. Place the battery in the drone and buckle it as shown in picture below:



2. Recharge the battery as shown in picture below:

USB charger indicator turns red during charging. Once charging is done, the charger indicator turns off.



Note:

1. Please use the original charger for charging. Do not use other chargers.
2. Keep the battery away from high temperature, open fire or electric heater; otherwise, damage or explosion may occur.
3. If the product is long idled, please charge it bi-monthly to keep the battery in active condition.
4. Do not charge the battery on carpets, and other flammable items to avoid fire.

Battery Installation of Remote control

Use a screwdriver to remove the screws of the battery compartment cover, Open the battery cover of remote control and install 3 AAA batteries (not included in the packaging) as shown in picture below:



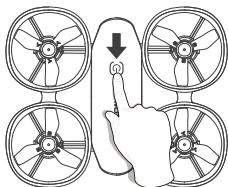
Tips:

1. Please ensure that the batteries of the drone and remote controller are fully charged before flight. Otherwise, the drone cannot take off in low-battery mode.
2. Different types of batteries, such as acidic batteries and alkaline batteries, or new and old batteries must not be mixed. Batteries should be installed according to the correct polarity.
3. The supporting power supply or battery charger should be inspected regularly to check whether there is damage to the power cord, plug, shell or other components. If any damage is found, it must not be used continuously until the fault is repaired.
4. Non-rechargeable batteries must not be recharged.
5. Rechargeable batteries can only be recharged by persons aged 8 or above. Rechargeable batteries should be removed from the toy before charging.
6. Please remove the battery when the drone is left unused for a long time, and exhausted batteries should also be removed.
7. The power terminals must not be short-circuited.

Quick Start

Frequency Match

1. Long press the power button on upper cover to turn on the drone and indicator flashes; then place the drone on a horizontal ground.
2. Turn on the remote control and it pairs the drone automatically. The pairing is complete when the remote control beeps. At this time, the Indicator lights of the remote control and the drone are always on.



Step 1

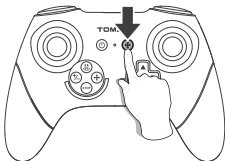


Step 2

Calibration

Press “” (calibrate button) to start calibration. The indicator light flashes rapidly during calibration and after the calibration is completed, the indicator light is always on.

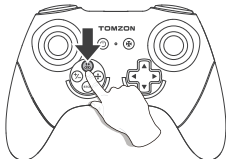
When drone falls, please calibrate it again (place the drone on horizontal ground during calibration).



Takeoff and Landing

Method 1

As shown in picture below, press “” (one button takeoff / landing) to take off (when drone takes off, press this button to land).



Method 2

As shown in picture below, push both joysticks simultaneously to unlock the drone, then push the left one upwards to take off (after the drone takes off, push the right one downwards to land).



Emergency Stop

In case of emergency, press and hold the "STOP" button for 1 second, the drone stops working and falls.

Tips:

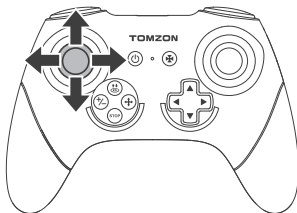
The motor should only be stopped in case of emergency to reduce the risk of damage.

Flight

Note: Take remote control Mode 1 for example.

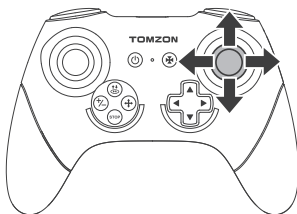
High Speed and Rotation

Use the "left joystick" to control the height and rotation of the drone during flight.



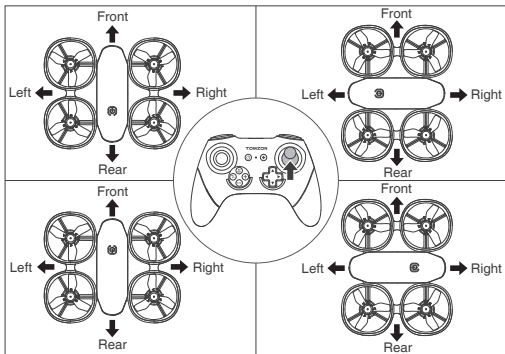
Front / Rear, Left / Right

Use “right joystick” to control the left / right direction during flight.



Headless Mode

The drone flies at a fixed direction and does not change with the direction of the drone, as shown in picture below:

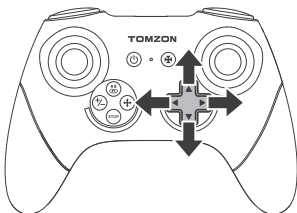


Tips:

The default is head-on mode, please press “” (headless mode button) to switch to headless mode.

Fine-tuning

If the drone is tilted to certain direction, instead of a stable state, press the fine-tuning button after takeoff to the opposite flight direction to reach the stable state.



Aerobatic Flight

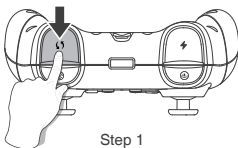
3D Rotation

Step 1: Press “” (rotate button) to enter the rotation mode and the remote control beeps continuously.

Step 2: Push the right joystick upwards and the drone immediately rotates forward 360°.

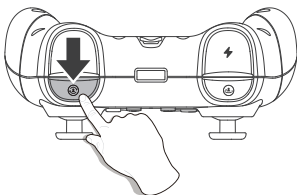
Tips:

To make the drone rotate in the other direction, push the right joystick to the other direction in Step 2.



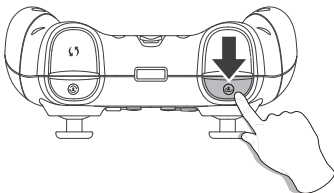
Rotation Mode

As shown in picture below, short press “” (rotation button) to enable / disable the rotation mode, and the remote control makes a "beep" sound. In this mode, the drone rotates at a fixed speed.



Orbit Flight Mode

As shown in picture below, short press “” (orbit flight button) to enable / disable the orbit flight mode, and the remote control makes a "beep" sound. In this mode, the drone flies along a circular orbit.

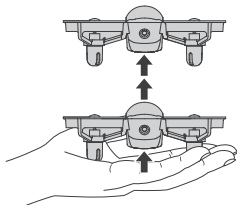


Tips:

1. In this mode, only the up / down process of drone can be controlled.
2. The drone exits this mode automatically when you push the right joystick.

Throw Mode

The drone can take off automatically after being thrown manually. Please connect the drone to the remote control and calibrate it, then hold the drone in your hand and toss it into the air. As shown in picture below:



Safety

Low Battery Alarm

When voltage is lower than 3.5V, the indicator of the drone flashes slowly in red and the remote control beeps, and the drone lands automatically when the battery runs out. Be careful of the battery power during the flight.

Low Signal Alarm

When the drone loses connection with the remote control, it lands automatically and the remote control beeps. Please make sure the drone is in your line of sight.

Specification

Drone	
Takeoff Weight	31g
Working Frequency	2.4G
Max. Distance of Remote Control	30M
Battery	3.85V 380MAH
Working Temperature	0-40°

Remote Control	
Working Frequency	2.4G
Battery of Remote Control	3*AAA batteries

FCC

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/TV technician for help

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

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.

RF warning for portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

TOMZON

Model: A23

Manufacturer: Shenzhen Potensic Intelligent Co., Ltd.

Address: 7/F, Building A5, Nanshan Intelligent Park, Nanshan District, Shenzhen, CN

Battery information: 3.85V 380mAh 1.46Wh

Charging: 5V $\equiv$ 1A

Remote Control: TR1

Battery: 3*1.5V*AAA

FCC ID: 2BK8B-TR1

IC: 29543-A23

CAUTION

This toy is recommended for children 8 years of age and older. To ensure that the child's play is both safe and fun, please read the operating instruction and the general safety rules with your child.

- Keep eyes, face, fingers and hair away from the rotor blade, tail blade and gear, as they will rotate at very high speed while the aircraft is flying.
- Adult supervision is recommended when the aircraft is being operated.

WARNING



Warning: The product should only be used by adults and children over 8 years. Adult supervision is required for children under 8 years.

Hinweis: Dieses Produkt ist für die Erwachsene und die Kinder ab 8 Jahren. Die Kinder unter 8 Jahren müssen von Erwachsenen beaufsichtigt werden.

Avertissement: Ce produit est destiné aux adultes et aux enfants de plus de 8 ans. Les enfants de moins de 8 ans doivent être surveillés par des adultes.

Avvertimento: questo prodotto è destinato all'uso per i adulti e bambini di età superiore ai 8 anni. I bambini di età inferiore ai 8 anni devono essere sorvegliati da un adulto.

Advertencia: Este producto es para adultos y niños mayores de 8 años. Los niños menores de 8 años deben ser supervisados por adultos.

警告: この製品は、大人と8歳以上の子供には使用対象です。8歳未満の子供は大人の監視が必要で



MADE IN CHINA

V08.26.07