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> [ATOYX AT-66 Mini Drone User Manual](#)

ATOYX AT-66

ATOYX AT-66 Mini Drone User Manual

Model: AT-66 | Brand: ATOYX

IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before operating the ATOYX AT-66 Mini Drone. Failure to follow safety guidelines may result in injury or damage to the product.

- This product is recommended for users aged 8 and above. Adult supervision is advised for younger users.
- Always operate the drone in open, clear areas, away from people, animals, and obstacles.
- Do not fly near high-voltage lines, airports, or crowded areas.
- Keep fingers and hair away from rotating propellers.
- Do not modify or disassemble the drone or its components.
- Ensure batteries are charged correctly and handled safely. Do not overcharge or short-circuit batteries.
- Remove batteries from the drone and remote control when not in use for extended periods.

PACKAGE CONTENTS

Verify that all items are present in the package:

- ATOYX AT-66 Mini Drone
- Remote Control
- Propeller (one set of spare propellers included)
- USB Charging Cable
- Rechargeable Lithium-Ion Batteries (2 included)

PRODUCT OVERVIEW

The ATOYX AT-66 Mini Drone is a compact quadcopter designed for easy indoor flight. It features a durable frame with propeller guards, LED lighting, and multiple flight modes for an engaging experience.

Drone Features



Image: The ATOYX AT-66 Mini Drone showcasing its key features: 3D-Flip capability, Altitude Hold for stable hovering, Headless Mode for simplified control, and 3 adjustable speed settings.

3 Speeds Adjustable

Choose the speed by yourself



HIGH



MIDDLE



LOW

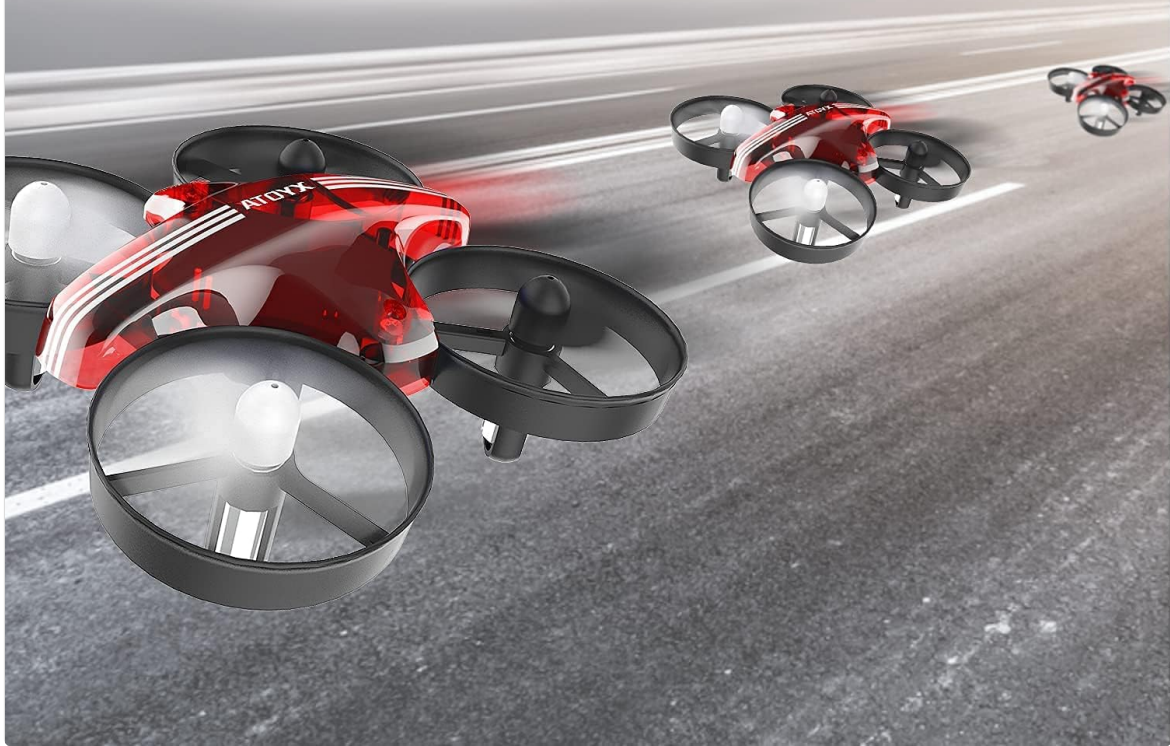


Image: The drone and its remote control, highlighting the three adjustable speed modes (High, Middle, Low) for varied flight experiences.



7 Colours LED Light



Image: The drone's 7-color LED lights are visible, demonstrating its use in both bright and low-light conditions.

SETUP

1. Battery Installation

- **Remote Control:** Open the battery compartment on the back of the remote control. Insert 2 AAA batteries (not included), ensuring correct polarity. Close the compartment.
- **Drone:** Carefully insert the drone's rechargeable battery into its designated slot. Connect the battery cable to the drone's power port.

2. Pairing and Calibration

Before first flight, the drone and remote control must be paired and calibrated for stable operation.

1. Power on the drone. The indicator lights will flash.
2. Long press the Power On/Off button on the remote control to turn it on. The remote's indicator light will flash.
3. Push the left throttle stick (left joystick) on the remote control all the way up, then pull it all the way down. The indicator lights on both the drone and remote will stop flashing and remain solid,

indicating successful pairing.

4. For calibration, push both the left throttle stick and the right direction joystick to the lower right corner simultaneously. The drone's indicator lights will flash quickly and then become solid, confirming successful calibration.

Setup and Operation Guidance Video

Video: This video provides a detailed guide on how to install batteries, pair the remote control with the drone, and perform initial calibration for stable flight.

OPERATING INSTRUCTIONS

Basic Flight Controls

- **Take-off/Landing:** After pairing and calibration, press the One Key Take-off/Landing button (usually the center button on the right joystick) to automatically take off or land. Alternatively, push the left throttle stick up to ascend and down to descend.
- **Ascend/Descend:** Push the left throttle stick up to increase altitude, pull down to decrease altitude.
- **Rotate (Yaw):** Push the left throttle stick left or right to rotate the drone counter-clockwise or clockwise, respectively.
- **Forward/Backward (Pitch):** Push the right direction joystick forward to move the drone forward, pull back to move it backward.
- **Left/Right (Roll):** Push the right direction joystick left to move the drone left, push right to move it right.

Special Features

- **Headless Mode:** Press the 'Headless' button on the remote. In this mode, the drone's orientation is locked to the remote control's orientation, making it easier to fly without worrying about the drone's front or back.
- **3D Flip:** While flying, press the 'Speed/Stunt' button (usually on the upper left side of the remote) and then push the right direction joystick in any direction to perform a 3D flip.
- **Speed Modes:** Press the 'Speed/Stunt' button to cycle through different speed settings (Low, Medium, High). This allows for varied flight speeds suitable for different skill levels and environments.
- **LED Lights:** Short press the 'Return/LED' button to change the LED light colors. Long press to turn the lights on or off.

Remote Control Function Introduction Video

Video: This video provides an introduction to the functions of the remote control, detailing each button and joystick's purpose for controlling the drone's flight and special features.

MAINTENANCE

- **Battery Charging:** When the drone's indicator light starts flashing, it signifies low battery. Remove the battery from the drone. Connect the USB charging cable to the battery and then to a USB adapter (not included). The charging indicator light will be red while charging and turn off when fully charged.
- **Propeller Replacement:** If a propeller is damaged, carefully remove it and replace it with a spare propeller from the package. Ensure the correct propeller (A or B) is installed on the corresponding motor.
- **Cleaning:** Use a soft, dry cloth to clean the drone. Do not use water or chemical cleaners.
- **Storage:** Store the drone and remote control in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired or low battery.	Ensure both drone and remote are powered on and batteries are charged. Re-pair the drone and remote control.
Drone flies erratically or is unstable.	Not calibrated or propellers are damaged.	Perform calibration before each flight. Check propellers for damage and replace if necessary. Adjust fine-tuning buttons on the remote.
Short flight time.	Battery not fully charged or old battery.	Ensure battery is fully charged. Consider replacing old batteries if performance degrades significantly.
Drone does not take off.	Low battery or not calibrated.	Charge the drone battery. Perform calibration.

SPECIFICATIONS

- **Brand:** ATOYX
- **Model Name:** ATOYX Mini Drone (AT-66)
- **Item Weight:** 0.4 Pounds (approx. 6.4 ounces)
- **Product Dimensions:** 3.15 x 3.15 x 1.4 inches
- **Battery Capacity:** 220 Milliamp Hours (Lithium Ion)
- **Connectivity Technology:** RF (Radio Frequency)
- **Skill Level:** Beginner
- **Control Type:** Remote Control
- **Material:** Plastic

WARRANTY AND SUPPORT

This product typically comes with a 30-day return policy. For specific warranty details, technical support, or assistance with product issues, please contact the seller, HNstars-US, or refer to the product's purchase documentation.