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Blacksheep Mambo ETHIX

Blacksheep TBS Mambo ETHIX FPV RC Radio Drone Controller User Manual

Model: Mambo ETHIX

1. Introduction

This manual provides essential information for the safe and effective use of your Blacksheep TBS Mambo ETHIX FPV RC Radio Drone Controller. Please read this manual thoroughly before operating the device to ensure proper setup, operation, and maintenance. Retain this manual for future reference.

2. Safety Information

- Always operate your RC equipment in a safe and responsible manner.
- Ensure the controller's battery is adequately charged before each use.
- Never operate the controller in adverse weather conditions or near obstacles.
- Keep the controller away from water, moisture, and extreme temperatures.
- Do not attempt to modify or disassemble the controller, as this may void the warranty and cause damage.
- Always follow local regulations and laws regarding drone operation.

3. Package Contents

Verify that all items are present in your package:

- Blacksheep TBS Mambo ETHIX FPV RC Radio Drone Controller
- USB-C Cable
- Neck Strap (optional, may vary by package)
- Quick Start Guide (this manual provides more detail)

4. Product Overview

The Blacksheep TBS Mambo ETHIX is a high-performance FPV radio controller designed for precision and reliability. It features ergonomic gimbals, customizable switches, and a clear monochrome display for easy navigation and configuration.



Figure 1: A detailed view of the Blacksheep TBS Mambo ETHIX FPV RC Radio Drone Controller, showcasing its gimbals, switches, buttons, monochrome display, and the 'Team Blacksheep' branding.

Key Components:

- **Gimbals:** Precision control sticks for pitch, roll, yaw, and throttle.
- **Switches:** Configurable toggle switches for various functions (e.g., arming, flight modes).
- **Buttons:** Navigation buttons (PAGE, MENU, EXIT) and additional function buttons.
- **Display:** Monochrome LCD for menu navigation and telemetry data.
- **Antenna:** Integrated or external antenna for signal transmission.
- **USB-C Port:** For charging, firmware updates, and simulator use.

5. Setup

5.1. Charging the Battery

1. Connect the supplied USB-C cable to the controller's USB-C port.
2. Connect the other end of the cable to a compatible USB power source (e.g., computer, USB wall adapter).
3. The charging indicator on the controller will show the charging status. Charge until the indicator shows a full charge.

5.2. Powering On/Off

- **To Power On:** Press and hold the power button until the display illuminates.
- **To Power Off:** Press and hold the power button until the shutdown prompt appears, then confirm.

5.3. Binding to a Receiver

The binding process establishes a secure wireless connection between your controller and your drone's receiver. Refer to your receiver's specific instructions for its binding mode.

1. Power on your controller.
2. Navigate to the binding menu (typically found under 'Model Setup' or 'System').
3. Select the 'Bind' option.
4. Put your receiver into binding mode (usually by pressing a button on the receiver while powering it on).
5. The controller and receiver will indicate a successful bind (e.g., solid LED on receiver, confirmation message on controller).

6. Operating Instructions

6.1. Basic Controls

- **Left Gimbal (Mode 2):** Controls Throttle (vertical) and Yaw (horizontal).
- **Right Gimbal (Mode 2):** Controls Pitch (vertical) and Roll (horizontal).
- **Switches:** Assignable to various functions like arming, flight modes, or special features. Refer to your drone's flight controller configuration for specific assignments.

6.2. Menu Navigation

- **MENU Button:** Enters the main menu.
- **PAGE Button:** Cycles through different pages or sub-menus.
- **EXIT Button:** Returns to the previous screen or exits the menu.
- **Scroll Wheel/Buttons:** Used to navigate through options and adjust values.

6.3. Model Memory

The controller can store multiple model profiles, allowing you to quickly switch between different drone configurations. Access the 'Model Select' menu to create, load, or delete model profiles.

7. Maintenance

7.1. Cleaning

- Use a soft, dry cloth to clean the exterior of the controller.
- Avoid using harsh chemicals or abrasive materials.
- Do not allow liquids to enter the controller.

7.2. Storage

- Store the controller in a cool, dry place, away from direct sunlight.

- If storing for extended periods, ensure the battery is charged to approximately 50% to prolong its lifespan.

7.3. Firmware Updates

Periodically check the Blacksheep website for firmware updates. Updates can improve performance, add new features, and fix bugs. Follow the instructions provided with the firmware update package carefully.

8. Troubleshooting

Problem	Possible Cause	Solution
Controller does not power on.	Low battery; Power button not pressed correctly.	Charge the battery; Press and hold the power button firmly.
Cannot bind to receiver.	Receiver not in binding mode; Incorrect protocol selected; Distance too far.	Ensure receiver is in binding mode; Verify correct protocol in controller settings; Move controller closer to receiver.
Gimbals or switches unresponsive.	Incorrect model profile; Physical damage; Firmware issue.	Check model profile settings; Inspect for damage; Consider firmware update or factory reset.

9. Specifications

Feature	Detail
Model	Blacksheep TBS Mambo ETHIX
ASIN	B0DJ2N8K5K
Manufacturer	Generic (Blacksheep)
Date First Available	September 27, 2024
Frequency	2.4 GHz (TBS Tracer)
Channels	Up to 16 (protocol dependent)
Battery Type	Internal Li-Ion (rechargeable via USB-C)
Display	Monochrome LCD

10. Warranty Information

Warranty terms and conditions for the Blacksheep TBS Mambo ETHIX FPV RC Radio Drone Controller are typically provided by the manufacturer or the point of purchase. Please refer to the documentation included with your product or contact your seller for specific warranty details and claims procedures.

11. Support

For technical support, troubleshooting assistance beyond this manual, or inquiries regarding your Blacksheep TBS Mambo ETHIX controller, please contact the manufacturer or your authorized dealer. Visit the official Blacksheep website for the latest support resources, FAQs, and contact information.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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