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AEE Y08F

AEE Y08F Radio Controller/Transmitter User Manual

Model: Y08F

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your AEE Y08F Radio Controller/Transmitter. This controller is specifically designed for use with the AEE Toruk AP10 drone quadcopter, providing a reliable remote communications link for flight and camera controls.

Product Overview

The AEE Y08F Radio Controller operates on a 915MHz frequency, offering an operable range of up to 985 feet (300 meters) with an unobstructed line-of-sight. It features a frequency hopping anti-interference design to ensure stable communication. The controller is powered by four AA batteries and includes easy-to-use joystick controls along with dedicated toggles for camera angle and flight modes. It also integrates a smartphone holder for enhanced user experience.

2. PRODUCT COMPONENTS AND CONTROLS



The AEE Y08F Radio Controller is a white, ergonomic device designed for controlling the AEE Toruk AP10 drone. It features two main joysticks for flight control, various toggle switches for mode selection and camera functions, and a central power switch. A foldable smartphone holder is integrated at the top for FPV (First Person View) monitoring.

Key Components:

- **Left Joystick:** Typically controls throttle (vertical movement) and yaw (rotation).
- **Right Joystick:** Typically controls pitch (forward/backward) and roll (left/right).
- **Toggle Switches:** Various switches for flight modes (e.g., GPS, Altitude Hold), camera recording, and photo capture.
- **Power Switch:** Central toggle switch for turning the controller on/off.
- **Smartphone Holder:** Foldable bracket at the top to secure a smartphone for live video feed.
- **Battery Compartment:** Located on the rear for AA batteries.

3. SETUP

Battery Installation

1. Locate the battery compartment on the back of the controller.
2. Open the battery compartment cover.
3. Insert four (4) AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.

4. Close the battery compartment cover securely.

Initial Pairing with Drone

Before first use, the controller must be paired with your AEE Toruk AP10 drone. Refer to your drone's specific user manual for detailed pairing instructions. Generally, the process involves powering on the drone first, then the controller, and following a specific sequence of button presses or switch toggles to establish a connection. Ensure both devices are fully charged or have fresh batteries before attempting to pair.

4. OPERATING INSTRUCTIONS

Basic Flight Controls

- **Throttle (Left Joystick Up/Down):** Increases/decreases drone altitude.
- **Yaw (Left Joystick Left/Right):** Rotates the drone clockwise/counter-clockwise.
- **Pitch (Right Joystick Up/Down):** Moves the drone forward/backward.
- **Roll (Right Joystick Left/Right):** Moves the drone left/right (strafe).

Camera and Mode Controls

Utilize the dedicated toggle switches and buttons on the controller for specific functions:

- **Flight Mode Toggles:** Switch between different flight modes (e.g., GPS mode for stable hovering, Altitude Hold mode). Consult your drone's manual for specific mode definitions.
- **Camera Angle Control:** Adjust the camera's tilt angle during flight.
- **Photo/Video Buttons:** Initiate photo capture or start/stop video recording.

Always ensure you have a clear line-of-sight to the drone and are within the operable range (up to 985 feet) for optimal control and signal integrity.

5. MAINTENANCE

Cleaning

- Wipe the controller with a soft, dry cloth.
- Do not use liquid cleaners or solvents, as they may damage the electronics or finish.
- Keep the joysticks and switches free from dust and debris.

Storage

- When not in use for extended periods, remove the AA batteries to prevent leakage and damage.
- Store the controller in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid placing heavy objects on the controller to prevent damage to joysticks or switches.

6. TROUBLESHOOTING

Common Issues and Solutions:

- **Controller not powering on:**
 - Check if the batteries are inserted correctly with the right polarity.
 - Replace with fresh AA batteries.
- **Loss of signal or unresponsive controls:**

- Ensure the drone and controller are within the operable range (300m).
- Check for potential sources of interference (e.g., large metal structures, other wireless devices).
- Re-pair the controller with the drone following the initial pairing procedure.
- Ensure controller batteries are not low.

- **Smartphone not fitting in holder:**

- The holder is designed for standard smartphone sizes. Ensure your phone is within the compatible dimensions.

7. SPECIFICATIONS

Feature	Detail
Model Number	Y08F
Manufacturer	AEE Technology
Transmission Frequency	915 MHz
Operable Range	Up to 985 feet (300 meters)
Power Source	4 x AA Batteries
Product Dimensions	18.29 x 18.8 x 8.74 cm
Product Weight	548.85 g
Date First Available	June 10 2015

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your AEE Y08F Radio Controller/Transmitter, please refer to the warranty card included with your original purchase or visit the official AEE Technology website. Keep your proof of purchase for warranty claims.

AEE Technology Customer Support: Please visit the manufacturer's official website for the most up-to-date contact information and support resources.