

YT-800

Zifon YT-800 Motorized Pan/Tilt Head User Manual

Model: YT-800

Brand: Zifon

1. INTRODUCTION

Thank you for choosing the Zifon YT-800 Motorized Pan/Tilt Head. This device is designed to provide precise and smooth camera movements for your photography and videography needs, compatible with both cameras and smartphones up to 1kg. This manual will guide you through the setup, operation, and maintenance of your new pan/tilt head to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

2.1 Components Included

- Zifon YT-800 Pan/Tilt Head (1 unit)
- Remote Control (1 unit)
- Type-C USB Cable (1 unit)
- 18650 Lithium Battery (1 unit)
- User Manual (This document)

2.2 Key Features

- **Precise Pan/Tilt Control:** Offers unparalleled precision with stepper motors and 7-level speed options for both panning and tilting. Speeds range from ultra-slow (0.05 r/min) for cinematic shots to rapid (2 r/min) for quick repositioning.
- **Two Preset Positions:** Easily store and recall two preferred angles with the press of a button, streamlining your workflow for vlogging, live streaming, or outdoor shooting.
- **Automatic Scanning:** Capable of automatically scanning between two predefined positions (A and B) at an adjustable speed, adding dynamic movement to videos and time-lapses.
- **Versatile Compatibility:** Designed to support cameras and smartphones weighing up to 1kg. Features a 1/4-inch screw hole for easy attachment to tripods.
- **Long-Lasting Battery & Remote Control:** Powered by a reliable 18650 lithium battery for extended

shooting sessions. The included 2.4G remote control offers 16 channels and a range of over 30 meters for convenient operation.

2.3 Product Diagram



Figure 1: Zifon YT-800 Motorized Pan/Tilt Head with its remote control. The image illustrates the main unit, the remote, and various devices it can support, including DSLR cameras, mirrorless cameras, action cameras, and smartphones. The main unit features control buttons for pan/tilt, mode selection, and power, along with a 5V 2A DC input port.

3. SETUP

3.1 Battery Installation

1. **Pan/Tilt Head Battery:** Locate the battery compartment on the Zifon YT-800 unit. Insert the provided 18650 lithium battery, ensuring correct polarity (+/-). Close the compartment securely.
2. **Remote Control Batteries:** Open the battery cover on the back of the remote control. Insert two AAA alkaline batteries, observing the correct polarity. Close the cover.

3.2 Mounting the Pan/Tilt Head

The YT-800 features a 1/4-inch screw hole at its base for tripod mounting.

1. Screw the YT-800 onto a compatible tripod or monopod until it is securely fastened.

3.3 Attaching Your Device (Camera/Smartphone)

The YT-800 is designed to hold devices up to 1kg. It has a standard 1/4-inch screw on its top plate for attaching cameras or a smartphone holder.

1. **For Cameras:** Align the 1/4-inch screw on the YT-800's top plate with the tripod mount hole on your camera. Rotate the camera clockwise until it is firmly attached.
2. **For Smartphones:** Attach a compatible smartphone holder (not included, but often comes with the product as an accessory, though not listed in this specific product's "whats_in_the_box") to the 1/4-inch screw on the YT-800's top plate. Secure your smartphone within the holder.

Note: Ensure your device's weight does not exceed 1kg to prevent damage to the pan/tilt head.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on the YT-800, slide the "OFF/ON" switch on the unit to the "ON" position. The display will light up.
- To power off, slide the "OFF/ON" switch to the "OFF" position.

4.2 Remote Control Functions

The 2.4G remote control allows for convenient operation from a distance of over 30 meters.

Button/Function	Description
Power Button	Turns the pan/tilt head on or off.
Directional Arrows (Up/Down/Left/Right)	Controls the pan (left/right) and tilt (up/down) movement of the head.
M Button (Mode)	Switches between pan and tilt speed adjustment modes.
+/- Buttons	Adjusts the speed level (1-7) for pan or tilt movement, depending on the selected mode.
A/B Buttons (Preset Positions)	Press and hold to set a preset position (A or B). Press briefly to recall a saved position.
Auto Button	Initiates automatic scanning between preset positions A and B.

4.3 Setting and Recalling Preset Positions

1. Manually adjust the pan/tilt head to your desired starting position.
2. On the remote, press and hold the "A" button until the display confirms the position is saved.
3. Move the head to your desired second position.
4. Press and hold the "B" button to save the second position.
5. To recall a position, simply press the "A" or "B" button briefly. The head will move to the saved position.

4.4 Automatic Scanning (A-B Loop)

After setting preset positions A and B:

1. Press the "Auto" button on the remote control.
2. The YT-800 will automatically pan and tilt between positions A and B.
3. To stop the automatic scan, press any directional arrow or the "Auto" button again.

4.5 Charging the Pan/Tilt Head

When the battery indicator on the YT-800 unit shows low power, connect the provided Type-C USB cable to the "5V 2A" port on the unit and plug the other end into a compatible USB power adapter (not included).

- The charging indicator will show the charging status.
- Ensure to use a 5V 2A power source for optimal charging.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe the surface of the pan/tilt head. Do not use abrasive cleaners or solvents. Avoid direct contact with water.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries from both the head and the remote control.
- **Battery Care:** Recharge the 18650 battery regularly, even if not in use, to maintain its lifespan. Avoid fully discharging the battery.
- **Handling:** Handle the pan/tilt head with care. Avoid dropping or subjecting it to strong impacts, which can damage internal components.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is dead or incorrectly installed.	Ensure 18650 battery is charged and correctly inserted with proper polarity.
Remote control not working.	AAA batteries are dead or incorrectly installed; remote out of range.	Replace AAA batteries, check polarity. Ensure remote is within 30m range and clear line of sight.
Movement is jerky or stops.	Device weight exceeds 1kg; low battery; obstruction.	Reduce load to under 1kg. Recharge the 18650 battery. Check for any physical obstructions.
Cannot set or recall preset positions.	Incorrect button press duration; remote issue.	Ensure you press and hold A/B to set, and briefly press to recall. Check remote battery.

7. SPECIFICATIONS

Parameter	Value
Pan Angle	Infinite

Parameter	Value
Tilt Angle	50°
Pan Speed	7 levels, 0.05 r/min - 2 r/min
Tilt Speed	7 levels, 0.05 r/min - 0.5 r/min
Remote Control	2.4G
Remote Channels	16
Remote Distance	> 30 m
Remote Battery	2 x AAA alkaline batteries
Max Load Capacity	1 kg (camera gravity < 50mm)
Power Consumption	5 W
DC Input	5 V 2 A
Internal Battery	18650 3.7 V Lithium
Dimensions (L x W x H)	140 x 115 x 142 mm
Weight (Unit Only)	650 g

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This Zifon YT-800 Motorized Pan/Tilt Head comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper maintenance.

8.2 Customer Support

For technical support, warranty claims, or any questions regarding your Zifon YT-800, please contact your retailer or the manufacturer's customer service. Please have your purchase receipt and product model number (YT-800) ready when contacting support.

For further assistance, you may refer to the official Zifon website or contact their support channels if available.