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> Serounder Motorized Pan & Tilt Gimbal Head (Model B07S3VJT3P) User Manual

Serounder B07S3VJT3P

Serounder Motorized Pan & Tilt Gimbal Head

MODEL: B07S3VJT3P

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your Serounder Motorized Pan & Tilt Gimbal Head. Designed for professional photographers and videographers, this electronic pan head offers precise 360-degree pan and 110-degree tilt movements, controllable via remote. It is compatible with various DSLR cameras and camcorders, supporting a maximum load of 3kg.

2. Product Overview

The Serounder Motorized Pan & Tilt Gimbal Head is an essential tool for dynamic camera movements. It features a robust aluminum alloy body and intuitive controls for smooth operation.



Figure 2.1: Key components of the Motorized Pan & Tilt Gimbal Head. This diagram highlights the Antenna, Quick Release Plate, Voltage Display, Power Switch, Battery Slot, Speed Control Knob, and Study Key.

Key Features:

- **360-Degree Pan & 110-Degree Tilt:** Allows for comprehensive camera positioning.
- **Wireless Remote Control:** Operate movements from a distance of 40-50 meters in open space.
- **Adjustable Speed:** Fine-tune movement speed for desired effects.
- **Heavy-Duty Construction:** Made from durable aluminum alloy, supporting devices up to 3kg.
- **Quick-Release Plate:** Features a 1/4-inch screw for easy camera attachment.
- **3/8-inch Thread Base:** For secure mounting on tripods, sliders, or camera arms.
- **2400mAh F550 Battery:** Provides up to 20 hours of operation on a full charge (battery not included).

3. Setup

Follow these steps to set up your Motorized Pan & Tilt Gimbal Head:

1. **Attach to Tripod:** Secure the gimbal head to a tripod, slider, or camera arm using its 3/8-inch bottom thread. Ensure the mounting is stable and can support the combined weight of the gimbal head and your camera.



Figure 3.1: The gimbal head securely attached to a tripod, ready for camera mounting.

- 2. Install Battery:** Insert a fully charged F550 battery (not included) into the battery slot. The voltage display will illuminate.
- 3. Mount Camera:** Attach your DSLR camera or camcorder to the quick-release plate using the 1/4-inch screw. Ensure the camera is firmly secured.

Remote Control Electric Pan Tilt Head

360° pan / 110° tilt / Wireless control / Stable & Speed adjustable



Figure 3.2: A camera mounted on the gimbal head, demonstrating its use with a remote control.

4. **Adjust Vertical Position:** Use the gradual rail to slightly adjust the camera's vertical position for optimal balance and framing.



Figure 3.3: Detail of the pan scale and the 3/8-inch thread at the base for mounting.

4. Operation

The gimbal head can be controlled wirelessly using the provided remote control. Ensure the remote has fresh batteries and is within the effective range (40-50 meters).

Wireless Remote Control

40-50m effective distance in open space. Pan: 360° / Tilt: 110° / Speed: Adjustable.



Figure 4.1: The wireless remote control used to operate the pan and tilt movements. It also shows a smartphone monitoring the camera feed.

Basic Controls:

- **Power On/Off:** Use the Power Switch on the gimbal head to turn the unit on or off.
- **Pan Movement:** Use the designated buttons on the remote control to rotate the camera horizontally (360 degrees).
- **Tilt Movement:** Use the designated buttons on the remote control to move the camera vertically (110 degrees).
- **Speed Adjustment:** The Speed Control Knob allows you to adjust the speed of both pan and tilt movements for smooth transitions.
- **Remote Learning (Study Key):** Refer to the specific instructions for your remote control to pair it with the gimbal head if necessary.

For cameras with Wi-Fi capabilities, you can monitor shooting pictures with a smartphone, enhancing remote operation.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your gimbal head:

- Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the gimbal head to extreme temperatures or moisture.
- Store the unit in its protective case when not in use to prevent damage.



Figure 5.1: The gimbal head and its components neatly organized within the provided protective case.

- Regularly check all screws and connections to ensure they are tight.
- Do not attempt to disassemble the unit, as this may void the warranty and cause damage.

6. Troubleshooting

If you encounter issues with your Serounder Motorized Pan & Tilt Gimbal Head, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Gimbal head does not power on.	Battery not installed or discharged.	Ensure a charged F550 battery is correctly installed.
Remote control not responding.	Remote battery low or out of range.	Replace remote batteries. Ensure you are within the 40-50m operating range. Re-pair if necessary using the Study Key.
Jerky or uneven movement.	Camera not balanced or speed setting too high.	Adjust camera position on the quick-release plate. Lower the speed using the Speed Control Knob.

Problem	Possible Cause	Solution
Gimbal head cannot hold camera weight.	Exceeds maximum load capacity.	Ensure camera weight does not exceed 3kg.

If the problem persists, please contact Serounder customer support for further assistance.

7. Specifications



Figure 7.1: Visual representation of the maximum load capacity for the gimbal head.



Figure 7.2: Demonstrates the 360-degree pan and tilt range of motion.

Feature	Detail
Model Number	B07S3VJT3P
Product Dimensions	8.54 x 4.09 x 11.02 inches
Item Weight	6.6 pounds (approx. 3 kg)
Max Load Capacity	3 kg (6.6 lbs)
Pan Movement	360 degrees

Feature	Detail
Tilt Movement	110 degrees
Remote Control Range	40-50 meters (open space)
Battery Type	F550 (2400mAh, not included)
Battery Life	Up to 20 hours (fully charged)
Mounting Thread	3/8 inch
Camera Screw	1/4 inch
Material	Aluminum Alloy
Color	Black
UPC	701069946963

8. Warranty and Support

Serounder is committed to product quality and customer satisfaction. If you experience any issues or have questions regarding your Motorized Pan & Tilt Gimbal Head, please contact our customer support team. We aim to respond within 24 hours to address any concerns.

For support, please visit the [Serounder Store on Amazon](#) or refer to your purchase documentation for direct contact information.