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Sirui SQ75+VHS10

SIRUI SQ75+VHS10 Carbon Fiber Video Tripod System User Manual

Model: SQ75+VHS10 | Brand: Sirui

1. Introduction

This manual provides detailed instructions for the proper setup, operation, and maintenance of your SIRUI SQ75+VHS10 Carbon Fiber Video Tripod System. Designed for professional videographers and photographers, this system combines a robust carbon fiber tripod with a versatile fluid head, offering stability and precise control for various shooting environments.

2. Product Overview

The SIRUI SQ75+VHS10 system is engineered for rapid deployment and stable performance. Key features include:

- **One-Step Height Adjustment Carbon Fiber Twin-leg (SQ75):** Features a one-step flip-lock mechanism for effortless height adjustments. The carbon fiber legs have a 16mm diameter and support a maximum load capacity of 18kg (39.6lb).
- **7-Step Counterbalance Dynamic Adjust (VHS10 Fluid Head):** An adjustable counterbalance system (0, 1, 2, 3, 4, 5, 6) supports camera rigs from 0-10kg (0-22lb), ensuring stable positioning at any tilt angle.
- **Adjustable 4-Step Tilt and Pan Damping System:** Offers 4-step (0, 1, 2, 3) pan and tilt drag control for smooth camera movements, supporting tilt from +90° to -60° and 360° swivel.
- **SIRUI Patent Design Side-Loading Quick-Release Plate:** Facilitates quick and easy camera mounting and removal.
- **75mm Half Ball:** Allows for rapid leveling of the fluid head with a simple twist of the handle.
- **High Stability with Ground Spreader:** Provides three-point support and allows for leg angle adjustment via a twist lock.
- **Dual Handle and Portable Strap:** Includes an angle and length adjustable handle with a rubber sleeve for improved operation, and a built-in 4mm Allen key for strap installation/detachment.



Figure 2.1: The complete SIRUI SQ75+VHS10 Carbon Fiber Video Tripod System, showcasing the tripod legs and the VHS10 fluid head.

3. Setup Instructions

3.1 Unfolding and Adjusting Tripod Legs

The SQ75 tripod features a one-step height adjustment system for quick deployment.

1. Place the folded tripod on a stable surface.
2. Locate the blue flip-locks on each leg. Simultaneously release all three flip-locks.
3. Extend the legs to the desired height. The internal mechanism allows all sections of each leg to extend or retract simultaneously.
4. Ensure the flip-locks snap back into place to secure the leg sections.



Figure 3.1: Close-up of the one-step flip lock mechanism on the tripod leg, designed for rapid height adjustment.

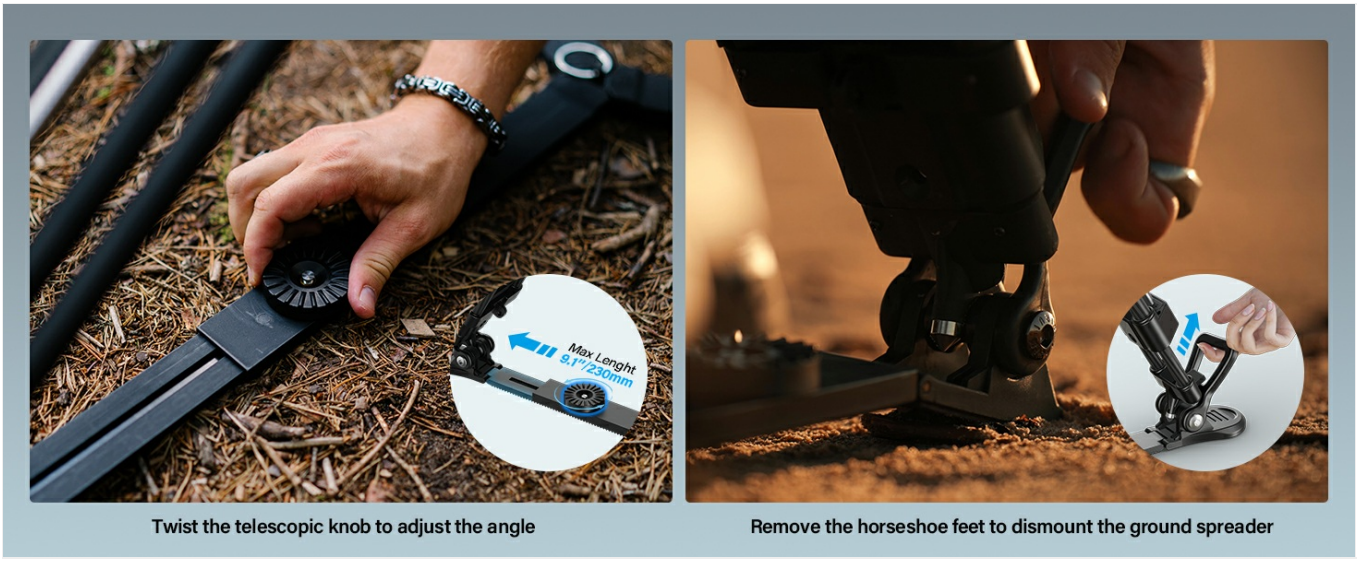

Figure 3.2: Visual comparison illustrating the efficiency of the one-step height adjustment system with three buckles versus traditional

six-buckle systems.

3.2 Attaching the Ground Spreader

The ground spreader enhances stability, especially on uneven surfaces.

1. Attach the ground spreader to the bottom of the tripod legs.
2. Adjust the length of the spreader by rotating the twist lock to achieve the desired leg angle and stability.
3. For low-angle shooting, the ground spreader can be extended to its maximum length.



Figure 3.3: The telescopic ground spreader providing enhanced stability and enabling low-angle shooting configurations.

3.3 Leveling the 75mm Half Ball

The 75mm half ball allows for quick and precise leveling of the fluid head.

1. Rotate the handle on the side of the half ball two turns counter-clockwise to loosen it.
2. Adjust the fluid head until the bubble level indicates a perfectly level position.
3. Press the knob and pull out the handle to secure the half ball in place.



Figure 3.4: Steps for quickly releasing and installing the 75mm half-bowl for leveling adjustments.

3.4 Mounting the Camera with the Side-Loading Quick-Release Plate

The VHS10 fluid head features a side-loading quick-release plate for efficient camera attachment.

1. Ensure the quick-release plate is tightly screwed onto the bottom of your camera or camera rig.
2. Unlock the flip lock on the fluid head.
3. Side-load the quick-release plate into the fluid head and press it down firmly.
4. Press the flip lock to snap it onto the quick-release plate, securing the camera.
5. To release, unlock the flip lock, press the locking block, and then release the plate.



Figure 3.5: Illustrated steps for inserting and releasing the camera using the SIRUI patent design side-loading quick-release plate.

4. Operating Instructions

4.1 Adjusting Counterbalance

The 7-step counterbalance system (0-6) helps balance your camera rig (0-10kg load capacity) and maintain its position at various tilt angles.

1. Rotate the counterbalance dial on the side of the fluid head to select the appropriate setting (0-6) for your camera's weight.
2. Start with a lower setting and gradually increase until the camera remains stable when tilted forward or backward without manual support.



Figure 4.1: Overview of the VHS10 fluid head, highlighting the 7-step counterbalance and 4-step hydraulic tilt/pan damping controls.

4.2 Adjusting Pan and Tilt Damping

The 4-step damping system (0-3) provides smooth and controlled pan and tilt movements.

1. Locate the pan and tilt damping control dials on the fluid head.
2. Rotate the dials to select a damping level from 0 (minimum drag) to 3 (maximum drag) according to your desired movement smoothness.
3. The fluid head supports a tilt range of +90° to -60° and a full 360° pan.

▶ **Watch video online**

SIRUI Carbon Fiber Tripod with Counterbalance Video Head

Video 4.1: Demonstrates the smooth pan and tilt movements of the SIRUI Carbon Fiber Tripod with Counterbalance Video Head, highlighting its fluid operation.

▶ **Watch video online**
SIRUI One Step Height Adjustment Carbon Fiber Video Tripod

Video 4.2: Illustrates the one-step height adjustment feature of the SIRUI Carbon Fiber Video Tripod, showing quick and efficient setup.

5. Maintenance

To ensure the longevity and optimal performance of your SIRUI SQ75+VHS10 tripod system, follow these maintenance guidelines:

- **Cleaning:** After each use, especially in dusty, sandy, or wet environments, wipe down the tripod legs and fluid head with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and then dry thoroughly.
- **Lubrication:** Periodically check the movement of the fluid head and leg locks. If any stiffness is observed, apply a small amount of silicone-based lubricant to moving parts, avoiding excessive application.
- **Storage:** Store the tripod in its carrying bag in a cool, dry place away from extreme temperatures and humidity.
- **Inspection:** Regularly inspect all screws, knobs, and levers for tightness. Use the provided Allen keys to tighten any loose components.

6. Troubleshooting

This section addresses common issues you might encounter with your SIRUI SQ75+VHS10 tripod system.

Problem	Possible Cause	Solution
Camera slides on quick-release plate even when locked.	Insufficient tightening of the quick-release plate to the camera; quick-release plate not fully engaged in the fluid head; safety mechanism not fully engaged.	Ensure the quick-release plate is tightly screwed onto the camera. Verify the plate is fully seated in the fluid head and the flip-lock is securely snapped into place. Always double-check the safety mechanism after mounting.
Fluid head movements are not smooth or feel stiff.	Damping settings are too high; lack of lubrication; dirt or debris in the fluid head mechanism.	Adjust the pan and tilt damping dials to a lower setting. Clean the fluid head thoroughly. If stiffness persists, apply a small amount of silicone-based lubricant.
Tripod legs do not extend or retract smoothly.	Dirt or sand in the leg sections; flip-locks are not fully disengaged.	Clean the leg sections and flip-lock mechanisms. Ensure all flip-locks are fully released before attempting to extend or retract the legs.
Camera does not stay balanced when tilted.	Counterbalance setting is too low for the camera's weight; camera is not properly centered on the quick-release plate.	Increase the counterbalance setting on the fluid head. Adjust the camera's position on the quick-release plate to achieve better balance.

7. Specifications

Feature	Specification
Model Name	SQ75+VHS10

Feature	Specification
Brand	Sirui
Material	Aluminum, Carbon Fiber
Item Weight	5.9 Kilograms (12.98 pounds)
Weight Limit (Max Load)	18 Kilograms (39.6 pounds)
Counterbalance Payload	0-10kg (0-22lb)
Counterbalance Steps	7-Step (0, 1, 2, 3, 4, 5, 6)
Pan & Tilt Control	4-Step (0, 1, 2, 3)
Tilt Range	-60° / +90°
Maximum Height	71.7 Inches (182cm)
Minimum Height	25.6 Inches (65cm)
Storage Length	36.2 Inches (92cm)
Tripod Head Type	Fluid Heads
Compatible Devices	Camcorder, Camera
Special Feature	Foldable, Pan-handle, Telescopic

8. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official SIRUI website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

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