K&F Concept D254C1+BH-28L (SA254C4)

K&F Concept Carbon Fiber Camera Tripod User Manual

Model: D254C1+BH-28L (SA254C4)

1. Introduction

The K&F Concept Carbon Fiber Camera Tripod is a versatile and lightweight support system designed for photographers. Constructed from high-quality carbon fiber, it offers superior heat resistance, corrosion resistance, and cold resistance, making it an ideal choice for diverse environmental conditions. This material also contributes to its significantly lighter weight compared to traditional aluminum tripods, enhancing portability without compromising stability or strength. The tripod is engineered for ease of use in various outdoor photography scenarios, providing reliable support for your camera equipment.

Key features include a compact and portable design, a 360° panoramic ball head, and flexible adjustment capabilities, including conversion to a monopod and low-angle shooting. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your K&F Concept Carbon Fiber Camera Tripod to ensure optimal performance and longevity.

2. Product Overview and Components

Familiarize yourself with the main components of your K&F Concept Carbon Fiber Camera Tripod.



Figure 2.1: Overview of the K&F Concept Carbon Fiber Tripod, showcasing its full extension, compact folded state, and monopod conversion capability.



Figure 2.2: K&F Concept Specialist Series SA254C4 Tripod highlighting its technical specifications, including leg sections, weight, ball head diameter, maximum height, folded length, material, and load capacity.



	Length	Width	Height	Weight	Load Capacity	Ball Diameter	Material
Ball Head	3.2″ (82mm)	2.3″ (59mm)	3.1″ (80mm)	0.56 lbs (255g)	10kg/22lbs	1.1″ (28mm)	Aluminium

Figure 2.3: Detailed view of the KF-28 Ball Head, showing its compact size, weight, load capacity, and aluminum construction.

3. Setup and Assembly

3.1 Unpacking and Initial Inspection

Upon receiving your tripod, carefully unpack all components. Verify that all parts are present and undamaged. The package should include the tripod body, ball head, quick release plate, and a carrying bag.

3.2 Attaching the Ball Head

1. Unscrew the protective cap from the top of the tripod's center column.
2. Align the base of the ball head with the screw on the center column.
3. Rotate the ball head clockwise until it is securely tightened. Ensure it is firm and does not wobble.

3.3 Extending the Tripod Legs

The tripod features twist locks for leg extension. To extend a leg section:

1. Twist the leg lock counter-clockwise to loosen the section.
2. Pull the leg section outwards to extend it to the desired length.
3. Twist the leg lock clockwise to secure the section firmly in place. Repeat for all leg sections and legs.

The tripod legs can be adjusted to various angles using the angle adjust locks located at the top of each leg. Press the lock and position the leg at one of the predefined angles, then release to secure.



Figure 3.1: Illustration of the tripod's adjustable height range, from its compact folded state to its maximum extension as both a tripod and monopod.



Figure 3.2: Key features of the tripod, including the ball head, panoramic capabilities, and leg adjustment mechanisms.

3.4 Monopod Conversion

One of the tripod legs can be detached and converted into a monopod for situations requiring quick and flexible camera support, such as tracking sports events or wildlife. To convert:

1. Identify the leg marked for monopod conversion (usually indicated by a rubber grip).
2. Unscrew this leg from the tripod body.
3. Remove the ball head from the center column and attach it to the top of the detached leg.
4. Extend the monopod to the desired height using the twist locks.

3.5 Reverse Folding Design

For maximum portability, the tripod legs can be folded upwards, reversing their position around the ball head. This reduces the folded length to just 41cm (16 inches), allowing it to fit easily into a 20-inch spinner luggage or the included carrying bag.

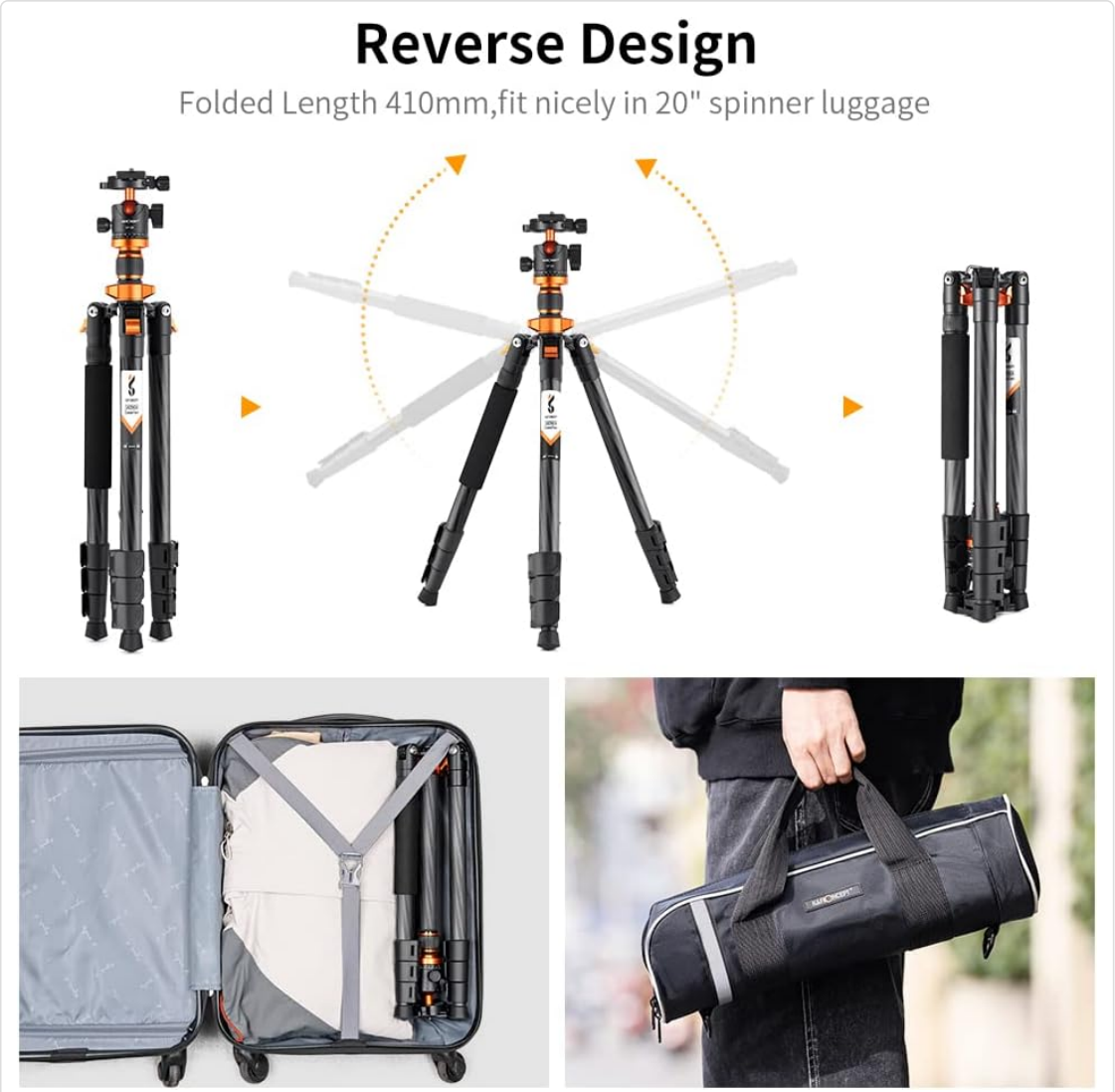


Figure 3.3: The tripod's reverse folding design for compact storage and portability.

4. Operating Instructions

4.1 Attaching Your Camera

1. Ensure the quick release plate is detached from the ball head.
2. Screw the quick release plate onto the 1/4" standard screw mount on the bottom of your camera, DSLR, projector, or telescope. Tighten securely.
3. Slide the quick release plate with your attached device into the clamp on the ball head. Ensure it clicks into place and then tighten the locking knob on the ball head to secure it.

4.2 Adjusting the Ball Head

The 28mm low-profile metal ball head allows for flexible positioning of your camera.

- **Ball Lock Knob:** Loosen this knob to adjust the angle of your camera (tilt and swivel). Tighten to lock the camera in position.
- **Panoramic Base Knob:** Loosen this knob to rotate the ball head horizontally for 360° panoramic shooting. The base has degree markings for precise adjustments. Tighten to lock the panoramic rotation.



Figure 4.1: Demonstrating the 360° panoramic shooting capability of the ball head.



Figure 4.2: The tripod's robust load capacity of 22 lbs (10 kg).

4.3 Low Angle and Macro Photography

For shooting at very low angles or for macro photography, the center column can be inverted. This allows the camera to be positioned much closer to the ground, ideal for capturing details of plants, insects, or other subjects from a unique perspective.

1. Fully extend the tripod legs and set them to a wide angle for stability.
2. Loosen the center column locking knob.
3. Pull the center column completely out of the tripod body.
4. Reinsert the center column upside down into the tripod body.
5. Tighten the center column locking knob to secure it.



Figure 4.3: Setup for low angle photography by inverting the center column.

5. Maintenance

Proper maintenance will extend the life and performance of your K&F Concept Carbon Fiber Camera Tripod.

- **Cleaning:** After each use, especially in dusty, sandy, or wet environments, wipe down the tripod legs and ball head with a clean, damp cloth. For stubborn dirt, a mild soap solution can be used. Ensure all parts are thoroughly dried before storage.
- **Lubrication:** Periodically check the movement of the leg locks and ball head. If they become stiff, apply a small amount of silicone-based lubricant to the moving parts. Avoid oil-based lubricants as they can attract dust and dirt.
- **Storage:** Store the tripod in its carrying bag in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect all screws, knobs, and leg locks for tightness. Tighten any loose components to prevent accidental collapse or damage to your equipment. Check the rubber feet for wear and tear.

6. Troubleshooting

This section addresses common issues you might encounter with your tripod.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Tripod is unstable or wobbly.	Leg locks not fully tightened; legs not extended evenly; uneven ground.	Ensure all leg twist locks are fully tightened. Extend all leg sections evenly. Adjust leg angles to adapt to uneven terrain. Ensure the center column is locked.
Ball head movement is stiff.	Accumulation of dirt or lack of lubrication.	Clean the ball head thoroughly. Apply a small amount of silicone-based lubricant to the moving parts.
Quick release plate not securing camera.	Plate not fully inserted; locking knob not tightened.	Ensure the quick release plate is fully seated in the clamp. Tighten the quick release plate locking knob firmly.
Leg sections difficult to extend or retract.	Dirt or debris inside leg sections; twist locks overtightened or too loose.	Clean the inside of the leg sections. Adjust the tension of the twist locks if possible (refer to manufacturer's guidelines if adjustable).

7. Specifications

Feature	Detail
Model Name	Carbon Stativ D254C1 (SA254C4)
Material	Carbon Fiber Metal
Maximum Height	63 inches (160 cm)
Folded Length	16 inches (41 cm)
Item Weight	1.35 kg (2.97 lbs)
Weight Limit (Load Capacity)	10 kg (22 lbs)
Ball Head Type	Ball Head (KF-28, 28mm diameter)
Special Feature	Monopod Function, 360° Panoramic Shooting, Low Angle Shooting (inverted center column)
Compatible Devices	Camera, Projectors, Smartphone (with adapter)
Product Dimensions	11.94 x 11.94 x 40.64 cm (folded)

8. Warranty and Support

K&F Concept products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official K&F Concept website. If you encounter any issues or require technical assistance, please contact K&F Concept customer support through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.
For further assistance, you may visit the official K&F Concept Store:K&F Concept Store on Amazon.

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