NEEWER ST83

NEEWER ST83 Super Clamp with Dual Ballhead Magic Arm Instruction Manual

Model: ST83

Introduction

The NEEWER ST83 Super Clamp with Dual Ballhead Magic Arm is a versatile mounting solution designed for photographers and videographers. It allows secure attachment of various devices such as cameras, phones, action cameras, webcams, LED lights, and monitors to flat surfaces or round poles. Its flexible design provides extensive angle adjustment for optimal positioning.

Product Components

The ST83 Super Clamp system includes the following main components:

- Super Clamp
- 3" Dual Ballhead Magic Arm
- Cold Shoe Mount
- 1/4" Threads
- Phone Mount Adapter
- Action Camera Mount Adapter



Image: Detailed diagram showing the components of the NEEWER ST83 Super Clamp, including the 1/4" screw, nonslip rubber, magic arm lock, 1/4" thread, 1/4" thread with ARRI locating holes, jaw adjustment knob, anti-slip grooves, and cold shoe.

Setup Instructions

1. Attaching the Magic Arm to the Super Clamp

1. Identify the Super Clamp and the Dual Ballhead Magic Arm.
2. Screw one end of the Magic Arm into the 1/4" thread on the Super Clamp. Ensure it is finger-tight.
3. Use the Magic Arm lock knob to secure the ballhead in the desired position.

2. Clamping to Surfaces

The Super Clamp is designed to grip objects with a diameter of 0.6" to 2.4" (14-60mm). It can be used on both flat surfaces and round poles.

1. Open the clamp jaws by rotating the jaw adjustment knob counter-clockwise.
2. Position the clamp around the desired surface (desk, tripod leg, handlebar, etc.).
3. Rotate the jaw adjustment knob clockwise to tighten the clamp securely. Ensure the non-slip rubber pads make full

contact with the surface to prevent movement and protect against scratches.

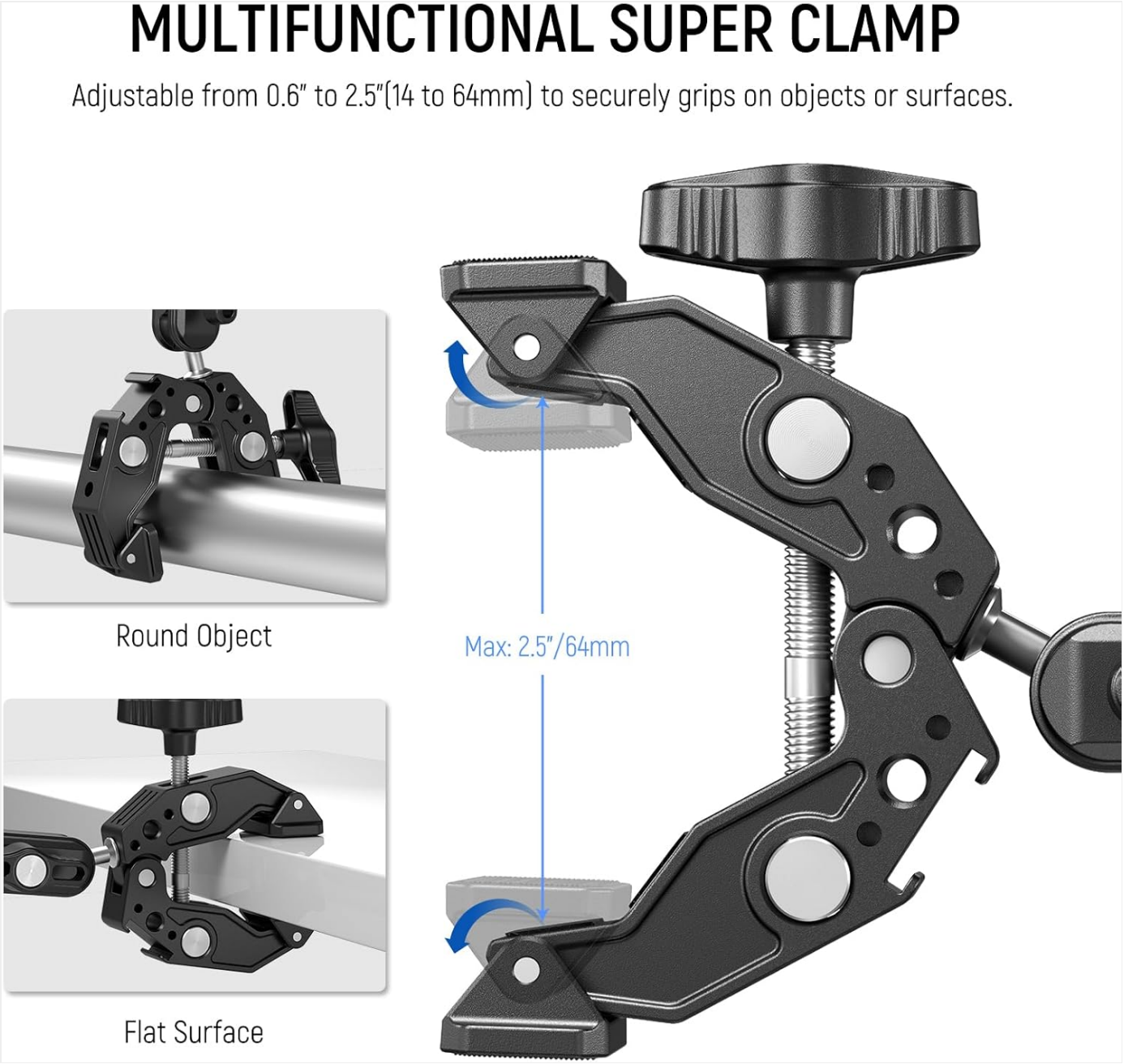


Image: Illustration showing the Super Clamp securely attached to both a round object (like a pole) and a flat surface (like a desk edge), demonstrating its versatility.

3. Attaching Devices

The ST83 offers multiple attachment points for various devices:

- **1/4" Screw Mount:** For cameras, LED lights, monitors, and webcams. Screw the device directly onto the 1/4" screw at the end of the magic arm.
- **Cold Shoe Mount:** For microphones, flashes, or other cold shoe accessories. Slide the accessory into the cold shoe slot on the clamp body.
- **Phone Mount Adapter:** Attach the phone mount adapter to the 1/4" screw on the magic arm, then secure your smartphone within the adapter.
- **Action Camera Mount Adapter:** Attach the action camera mount adapter to the 1/4" screw on the magic arm, then connect your action camera.



Image: Diagram illustrating the wide compatibility of the Super Clamp, showing how LED lights, monitors, compact cameras can attach via 1/4" screw, and microphones or flashes via cold shoe. It also shows 3/8" thread mount options.



Image: Examples of the Super Clamp being used with a phone mount on a pole and an action camera mount on a bicycle handlebar.

Operating Instructions

Angle Adjustment

The dual ballheads on the magic arm allow for 360° rotation and flexible angle adjustment. Once your device is attached and the clamp is secured:

1. Loosen the magic arm lock knob to adjust the angle of the attached device.
2. Position the device to your desired angle.
3. Tighten the magic arm lock knob firmly to secure the device in place.



Image: Illustration demonstrating the 360° rotation capability of the magic arm, allowing for flexible camera positioning.

Maintenance

- **Cleaning:** Wipe the clamp and magic arm with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the finish or rubber pads.
- **Storage:** Store the unit in a dry, cool place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically check all screws and knobs to ensure they are tight and secure. Inspect rubber pads for wear and tear.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Device loosens or shifts	Insufficient tightening of knobs or clamp jaws.	Ensure all adjustment knobs and the main clamp jaw are tightened firmly. Verify the device is properly seated on its mount.
Clamp slips on surface	Clamp not tight enough, or surface is too smooth/oily.	Tighten the jaw adjustment knob further. Clean the surface and the clamp's rubber pads if they are dirty or oily. Ensure the clamp is within its specified grip range (0.6"-2.4").
Difficulty adjusting magic arm angle	Magic arm lock knob is too tight.	Loosen the magic arm lock knob slightly before attempting to adjust the angle.

Specifications

Feature	Detail
Model Name	ST83
Brand	NEEWER
Color	Black
Product Dimensions (D x W x H)	1.97"D x 4.92"W x 5.91"H
Item Weight	0.17 kg
Clamp Grip Range	0.6" - 2.4" (14-60mm)
Magic Arm Length	3" (7.62cm)
Material	Aluminum alloy and stainless steel
Mounting Threads	1/4" threads, Cold Shoe
Maximum Weight Recommendation	1455.4 g

Warranty and Support

This NEEWER ST83 Super Clamp comes with a**1 Year Manufacturer Warranty**.
For technical support, warranty claims, or further assistance, please visit the official NEEWER website or contact their customer service department. Keep your purchase receipt for warranty validation.
NEEWER Official Website: www.neewer.com

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Example: How do I reset this device or fix this error?

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