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> [NEEWER 31.5"/80cm Motorized Camera Slider ER1-80 User Manual](#)

**NEEWER ER1-80**

# NEEWER 31.5"/80cm Motorized Camera Slider User Manual

Model: ER1-80

## 1. INTRODUCTION

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This manual provides instructions for the proper setup, operation, and maintenance of your NEEWER 31.5"/80cm Motorized Camera Slider (Model ER1-80). This device is designed to provide smooth, automated camera movements for professional video and time-lapse photography.



Figure 1.1: NEEWER 31.5"/80cm Motorized Camera Slider with accessories.

The ER1-80 slider features a carbon fiber construction for durability and lightweight portability. It supports various shooting modes including video, time-lapse, horizontal, tracking, and 120° panoramic shots, all controllable via a dedicated mobile application or an optional 2.4G remote control.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

# Package Contents



Carry bag



Battery charger



Slider



NP-F550 Battery



Ball head



Hex key  
Screw



Six shutter release cables  
(C1, C3, N1, N3, S1, S2)

Figure 2.1: Included components in the NEEWER ER1-80 package.

- Motorized Camera Slider (31.5"/80cm)
- Carry Bag
- Battery Charger
- NP-F550 Lithium-Ion Battery (2600mAh)
- Ball Head
- Hex Key Screw
- Six Shutter Release Cables (C1, C3, N1, N3, S1, S2)

## 3. SETUP AND INSTALLATION

Follow these steps to assemble and prepare your motorized camera slider for use.

1. **Attach the Ball Head:** Securely mount the included ball head onto the camera carriage of the slider. Ensure it is tightened properly to prevent movement.

2. **Mount Your Camera:** Attach your camera to the ball head. Ensure the camera is balanced and securely fastened.
3. **Install the Shutter Release Cable:** Connect the appropriate shutter release cable for your camera model to the slider's control unit and to your camera's remote port. This enables synchronized shooting for time-lapse and other advanced modes.
4. **Power the Slider:** Insert the charged NP-F550 battery into the designated slot on the slider's motor unit. Alternatively, connect a 5V 2A Type-C power source (e.g., a portable charger) to the Type-C power jack.
5. **Position the Slider:** Place the slider on a stable, flat surface. For enhanced stability or specific angles, mount the slider onto one or two tripods using the 1/4" and 3/8" threaded holes located on the bottom and sides.
6. **Adjust Tripod Supports:** If using the integrated tripod supports, open them and loosen the brake knob. Adjust the slide to a horizontal balance using the built-in bubble levels.

## Installation Steps

NOTE: Only includes camera slider.



1

Loosen the knob of the slide rail



2

The L on the slide rail corresponds to the L on the gear belt. Insert the gearbelt L into the card slot



3

The tooth end of the slider belt faces outwards, tighten the slider belt



4

Tighten the knob of the slide rail (L end and R end)



5

Install the gimbal on the slide rail and then install the camera on the gimbal



6

Insert the shutter release cable into the slider



7

Insert the other end of the shutter release cable into the camera



8

Turn on the slider

### NOTE

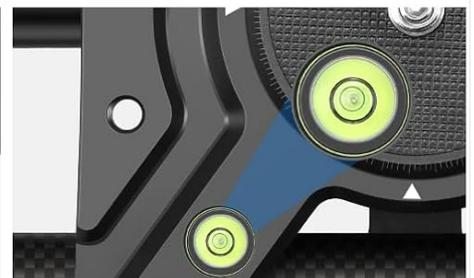
Before running the slide, loosen the brake knob and adjust the balance horizontally.



1. Open the tripod support of the slide rail



2. Loosen the brake knob



3. Adjust the slide to horizontal balance

Figure 3.1: Detailed installation steps for the camera slider.



Figure 3.2: Adjustable feet for leveling and angle adjustment.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Wireless APP Control

The NEEWER ER1-80 slider can be controlled wirelessly via the NEEWER app, available for both Android and iOS devices. Download the app from your device's respective app store.

1. **Connect to App:** Turn on the slider. Open the NEEWER app on your smartphone and follow the on-screen instructions to connect to the slider via Bluetooth.
2. **Select Mode:** Within the app, choose between Manual Mode, Video Mode, or Time-Lapse Mode.
3. **Configure Settings:** Adjust parameters such as movement speed, duration, start/end points (A-B), frames, video length, interval, and shutter speed (for time-lapse).
4. **Start Operation:** Initiate the slider movement directly from the app.

**Silent Movement Step Motor**

NOTE: Only includes camera slider.

Decibel Rating  $\leq 30\text{dB}$

## Wireless APP Control

Controlled by APP with your phone (support Time lapse or Video Shot), adaptable with Android/ iOS. An extremely simple interface for easy use.

Figure 4.1: Wireless control via the NEEWER smartphone application.

## 4.2 Shooting Modes and Angles

The slider offers versatile shooting options:

- **Horizontal Shooting:** For standard linear movements, ensure both adjustment knobs on the slider are in their middle positions. The maximum load capacity in this orientation is 11lb/5kg.
- **Tracking Shots:** To achieve tracking shots where the camera maintains focus on a subject while moving, adjust one knob to the lower left and the other to the upper right. This creates a slight curve in the camera's path.
- **120° Panoramic Shooting:** For panoramic movements, set one knob to the upper left and the other to the lower right. This configuration allows the camera to pan across a wider field of view during its movement.
- **Angled and Vertical Shots:** The slider can also be positioned at a 45° tilt angle or mounted vertically for unique perspectives. The maximum load capacity when tilted up 45° is 5.5lb/2.5kg.

# Tracking Video Shooting

Supports video capture and time lapse.

**Note:** In video tracking mode, your video footage will be more stable if the video is longer than 60 seconds in length.



Figure 4.2: Tracking video shooting setup.

# 120 Degrees Panorama

Adjust the red knobs on both sides of the camera slider to the lower left and upper right for panoramic shooting. (Supports time lapse and video.)

Note: In 120-degree panoramic shooting mode, your video footage will be more stable if the video is longer than 60 seconds.



Figure 4.3: 120° Panoramic shooting setup.

## 4.3 Silent Stepper Motor

The ER1-80 utilizes a silent stepper motor driver, ensuring smooth and quiet operation. This is crucial for video production where audio quality is important.



Figure 4.4: Silent stepper motor operation.

## 5. MAINTENANCE

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To ensure the longevity and optimal performance of your NEEWER ER1-80 Motorized Camera Slider, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe down the carbon fiber rails and other components with a soft, dry cloth to remove dust and debris. Avoid using abrasive cleaners or solvents.
- **Belt Inspection:** Periodically check the drive belt for any signs of wear, fraying, or damage. Ensure it is properly tensioned.
- **Roller Bearings:** The 4 roller bearings are designed for smooth operation. Keep them free from dirt and obstructions. No lubrication is typically required.
- **Storage:** When not in use, store the slider in its provided carry bag in a dry, cool environment to protect it from dust and potential damage.
- **Battery Care:** Charge the NP-F550 battery regularly, even if not in frequent use, to maintain its health. Avoid fully discharging the battery for extended periods.

## 6. TROUBLESHOOTING

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If you encounter issues with your NEEWER ER1-80 Motorized Camera Slider, refer to the following common troubleshooting steps:

- **Slider Not Moving:**
  - Check if the battery is charged and correctly inserted, or if the Type-C power source is connected and providing power.
  - Ensure the brake knob is fully loosened.
  - Verify that the app is connected to the slider and that a movement program has been initiated.
- **Uneven or Jerky Movement:**
  - Ensure the slider is placed on a perfectly level and stable surface. Use the built-in bubble levels for horizontal balance.
  - Check the tension of the drive belt. It should be taut but not overly tight.
  - Inspect the carbon fiber rails and roller bearings for any obstructions or debris.
  - Confirm that the camera and ball head are securely mounted and balanced.
- **App Connectivity Issues:**
  - Ensure Bluetooth is enabled on your smartphone.
  - Restart both the slider and the NEEWER app.
  - Try reinstalling the NEEWER app to ensure you have the latest version.
- **Camera Shutter Not Triggering (Time-Lapse):**
  - Verify that the correct shutter release cable for your camera model is used and securely connected to both the slider and the camera.
  - Check camera settings to ensure it is ready to receive external trigger signals.
  - Ensure the app settings for interval and shutter speed are correctly configured.

## 7. SPECIFICATIONS

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Feature	Specification
Model Number	ER1-80
Product Dimensions	31.5 inches (80cm) length, 6.3 x 31.5 x 3.15 inches (overall)
Item Weight	5.5 pounds
Material	Carbon Fiber
Horizontal Load Capacity	11lb / 5kg
45° Tilted Load Capacity	5.5lb / 2.5kg
Control Method	App Wireless Control (Android/iOS), 2.4G Remote Control (not included)
Motor Type	Silent Stepper Motor
Power Source	NP-F550 Lithium-Ion Battery (2600mAh) or 5V 2A Type-C
Compatible Devices	Camcorder, Camera (various models with appropriate shutter release cable)
UPC	191073072923

## 8. WARRANTY AND SUPPORT

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NEEWER products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official NEEWER website. If you require technical assistance, have questions about product operation, or need to report a defect, please contact NEEWER customer support through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

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For more information, visit [the NEEWER Store on Amazon](#).