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> VEVOR Gimbal Stabilizer for Smartphone (Model: AI Smart Tracking) - Instruction Manual

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Comprehensive instructions for setting up, operating, and maintaining your VEVOR Gimbal Stabilizer for Smartphone, Model AI Smart Tracking. Learn about its 3-axis stabilization, AI-powered tracking, gesture control, and more.

1. INTRODUCTION

Thank you for choosing the VEVOR Gimbal Stabilizer for Smartphone. This device is designed to enhance your mobile videography and photography by providing stable, smooth footage and intelligent tracking capabilities. Please read this manual carefully to ensure proper use and optimal performance.



Figure 1: VEVOR Gimbal Stabilizer for Smartphone.

2. PRODUCT OVERVIEW

Key Features:

- **Rock-Steady 3-Axis Stabilization:** High-precision motor with 335° rotation range on each axis for shake-free, cinematic videos.
- **AI Smart Tracking Made Easy:** Track faces, objects, or full-body movements in real-time without an app.
- **Touch-Free Gesture Control:** Snap photos or switch modes hands-free with simple gestures, no app required.
- **Foldable for On-the-Go:** Lightweight (1.54 lbs) and foldable design for portability.
- **Long-Lasting Battery:** 2600 mAh battery provides up to 4 hours (with light & AI on) or 7-9 hours (light & face tracking off) of runtime.
- **Integrated Fill Light:** Provides additional illumination in low-light conditions.

Capture Every Moment in Crystal-Clear Detail

3-Axis Gimbal Stabilizer for Smartphone



Anti-Shake



Smart Tracking



Gesture Control



2600 mAh Battery



Compact & Portable



Figure 2: Overview of the gimbal's main features.

What's in the Box:

- 1 x Gimbal Stabilizer for Smartphone
- 1 x Tripod
- 1 x USB-C Charging Cable
- 1 x User Manual

3. SETUP

3.1 Unfolding the Gimbal

The gimbal features a foldable design for easy transport. To unfold, gently extend the arms until they lock into position. Ensure all joints are securely in place before use.



Figure 3: Steps for unfolding the gimbal and attaching a smartphone.

3.2 Attaching the Tripod

The included tripod can be screwed into the 1/4-inch standard screw hole at the bottom of the gimbal handle. This allows for stable placement on flat surfaces for hands-free operation.



Figure 4: Gimbal with smartphone mounted on the included tripod.

3.3 Mounting Your Smartphone

1. Extend the phone clamp on the gimbal.
2. Carefully place your smartphone into the clamp, ensuring it is centered.
3. **Important:** Always center your phone in the clamp **before** powering on the gimbal to prevent motor strain and ensure proper balancing.

Compatible with Most Smartphones



Figure 5: Smartphone mounting and compatibility guidelines.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the Power Button for 3 seconds to turn the gimbal on or off. The LED indicators will light up to show the battery level and current mode.

4.2 Controls and Buttons



Figure 6: Intuitive buttons and gesture control features.

- **Joystick:** Controls the gimbal's pitch and yaw movements. Double press to switch between portrait and landscape orientation.
- **Zoom Wheel:** Turn to perform zooming or focusing actions. Single press switches between zoom and focus modes.
- **Mode Button (M):** Single press to switch between gimbal functions (PF, F, L, POV, V). Double-click to switch from right to left.
- **Record Button:** Single press to switch between video and photo mode. Long press to capture a photo or start video recording. Depending on the current camera, double press switches between front and rear cameras.
- **Trigger Button:** Located on the front of the handle. Hold down to reset the gimbal's position.

4.3 Gimbal Modes

- **Pan Follow (PF):** The camera pans left and right following your hand movements, while tilt and roll axes are locked.
- **Follow (F):** The camera follows your pan and tilt movements, while the roll axis is locked.
- **Lock (L):** All three axes (pan, tilt, roll) are locked, keeping the camera pointed in a fixed direction.
- **Point of View (POV):** All three axes follow your hand movements, allowing for dynamic, immersive shots.
- **Inception (V):** The gimbal rotates the phone 360 degrees along the roll axis, creating a spinning effect.

4.4 AI Smart Tracking & Gesture Control

The VEVOR gimbal features an integrated AI tracking camera, eliminating the need for a separate app for basic tracking functions. This allows for hands-free operation and intelligent subject tracking.

App-Free Precision Tracking Always in Focus



Face Tracking



Object Tracking



Body Shape Tracking

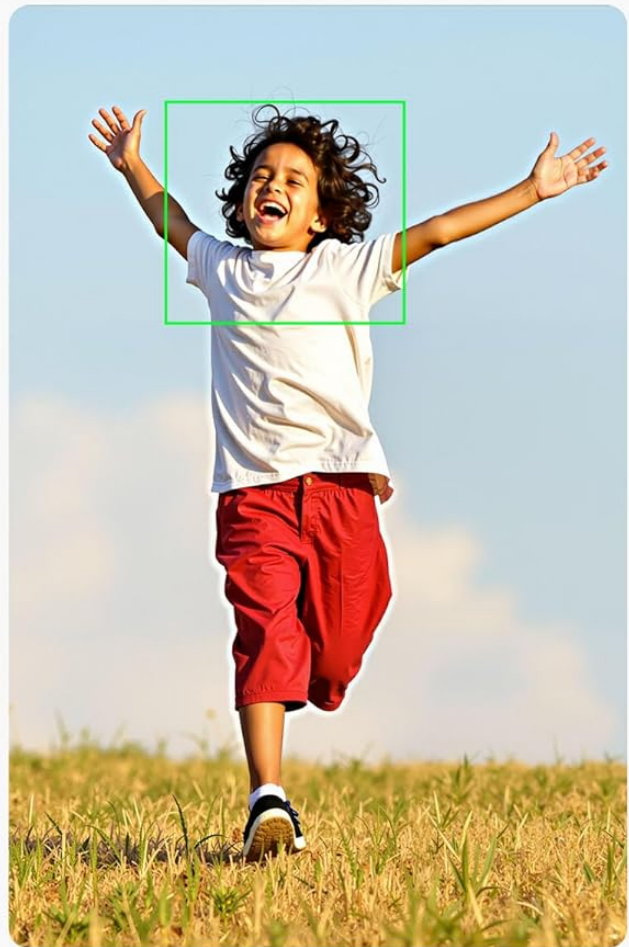
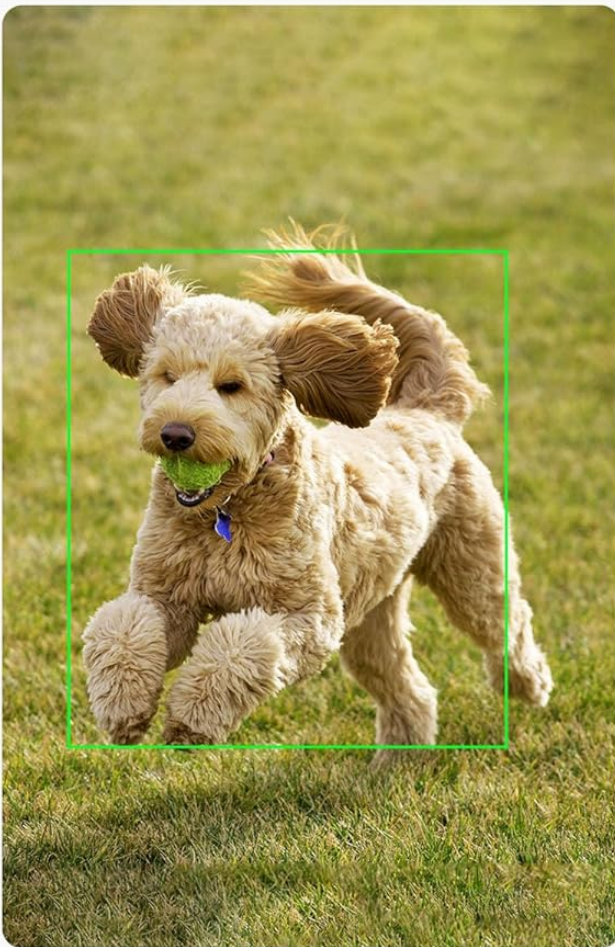


Figure 7: AI Smart Tracking capabilities including face, object, and body shape tracking.

Gesture Control, No Help Needed

Hands-Free Shooting, One Gesture Away



Scissor Gesture –
Customize Follow
Position Mode



"Six" Gesture –
Reset Follow
Position



Palm Gesture –
Pause Tracking



Thumbs-Up
Gesture –
Start Photo or
Video Mode



OK Gesture –
Activate Tracking Mode



Figure 8: Gesture controls for hands-free shooting.

- **Activate Tracking:** Use the 'OK' gesture (thumb and index finger forming a circle) in front of the AI tracking camera. The camera will then track your face, body, or a selected object.
- **Start Photo/Video:** Use the 'Thumbs-Up' gesture to initiate photo or video capture.
- **Pause Tracking:** Use the 'Palm' gesture (open hand facing the camera) to pause tracking.
- **Customize Follow Position:** Use the 'Scissor' gesture (index and middle fingers extended) to customize the follow position.
- **Reset Follow Position:** Use the 'Six' gesture (thumb and pinky finger extended) to reset the follow position.

4.5 Fill Light

The gimbal includes a magnetic fill light. Press the fill light button to turn it on/off and cycle through brightness levels or color temperatures. This is useful for illuminating your subject in dim environments.

5. MAINTENANCE

5.1 Charging the Gimbal

Connect the included USB-C charging cable to the charging port on the gimbal handle and to a suitable USB power source. The 2600 mAh battery provides up to 4 hours of runtime with the light and AI tracking on, or 7 to 9 hours with the light and face tracking off. A full charge typically takes 3-4 hours.

2600 mAh Long-Lasting Battery

Keep shooting outdoors for hours

4 Hours
(with light & AI on)
Working Time

7-9 Hours
(light & face tracking off)
Working Time



Figure 9: Battery specifications and charging port location.

5.2 Care and Storage

- Keep the gimbal clean and free from dust and debris.
- Store the gimbal in a cool, dry place when not in use.
- Avoid exposing the gimbal to extreme temperatures or moisture.
- Do not attempt to disassemble the gimbal, as this may void the warranty.

6. TROUBLESHOOTING

- **Gimbal not powering on:** Ensure the battery is charged. Connect to a power source and try again.
- **Gimbal motor vibrating or not stabilizing:** Ensure the smartphone is properly mounted and centered before powering on. Recalibrate the gimbal if necessary (refer to manufacturer's website for calibration instructions).
- **AI tracking not working:** Ensure the AI tracking camera is clean and unobstructed. Perform gestures clearly and within the camera's field of view.
- **Unresponsive buttons:** Ensure the gimbal is powered on and fully charged. If issues persist, try resetting the gimbal by holding the power button for an extended period (e.g., 10 seconds).

For further assistance, please refer to the VEVOR official support channels.

7. SPECIFICATIONS

Feature	Detail
Brand	VEVOR
Model Number	Gimbal Stabilizer for Smartphone (AI Smart Tracking)
Item Weight	1.54 pounds (0.70 kg)
Package Dimensions	8.66 x 7.48 x 3.15 inches
Folded Dimensions	5.12 inches (L) x 2.32 inches (W) x 4.96 inches (H)
Compatible Devices	Cellphone
Supported Weight	0.26-0.66 lbs
Supported Width	1.97-3.54 inches
Supported Thickness	≤ 0.51 inches (excluding camera bump)
Battery Capacity	2600 mAh
Tracking Function	AI Body Tracking (No App Needed, Auto-activated via Gesture Control)
Extra Fill Light	Included
UPC	197988527367

Item Model Number: **CM8**

Working Current: **200 mA–3000 mA**

Working Voltage: **DC 3.5–4.2V**

Extra Fill Light: **Fill Light Included**

Tracking Function: **AI Body Tracking**
(No App Needed, Auto-activated via Gesture Control)

Color: **Black**

Material: **Nylon + Fiberglass (Arm), PC (Handle)**

Net Weight: **1.59 lbs/0.72 kg**

Folded Dimensions:
5.12 x 2.32 x 4.96 in/130 x 59 x 126 mm

Unfolded Dimensions (Vertical):
4.33 x 4.92 x 10.63 in / 110 x 125 x 270 mm

Unfolded Dimensions (Horizontal):
4.33 x 4.53 x 10.87 in / 110 x 115 x 276 mm

Accessories Included:
1 x Tripod 1 x USB-C Charging Cable 1 x User Manual

Wide Smartphone Compatibility

1. Weight: 0.26–0.66 lbs
1. Width: 1.97–3.54 in
1. Thickness: ≤ 0.51 in (excluding camera bump)

Figure 10: Detailed specifications and smartphone compatibility.

8. WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please visit the official VEVOR website or contact their customer service. Keep your purchase receipt for any warranty claims.