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FeiyuTech VB4SE

FeiyuTech VB4SE 3-Axis Smartphone Gimbal Stabilizer User Manual

Model: VB4SE

1. INTRODUCTION

The FeiyuTech VB4SE is a compact and lightweight 3-axis smartphone gimbal stabilizer designed to capture smooth, stable video footage and photos. This manual provides detailed instructions for setting up, operating, and maintaining your VB4SE gimbal, ensuring optimal performance and longevity.



Image 1.1: The FeiyuTech VB4SE 3-Axis Smartphone Gimbal Stabilizer in its operational state, holding a smartphone.

2. WHAT'S IN THE BOX

Verify that all the following items are included in your package:

- Feiyu VB4SE Foldable Gimbal (Main Body)
- Mini Tripod
- USB A to USB C Charging Cable
- Drawstring Bag
- User Manual (this document)

Quickly Switch with Gesture Control



*Optional Acc.



Control via AI tracking module



Control via Feiyu ON app

Gesture Control



Take Photo



Take Video



Start Tracking



Stop Tracking



Zoom in/out
(IOS ONLY)



Switch to Vertical Mode



Switch to Horizontal Mode

Image 2.1: All standard accessories included with the FeiyuTech VB4SE gimbal: the gimbal itself, a mini tripod, a USB-C charging cable, and a drawstring bag.

Optional Accessories

The Feiyu VB4SE is compatible with optional accessories to enhance its functionality:

- **AI Intelligent Tracking Module:** Connects via the USB-C expansion port for AI face tracking and gesture control.

- **Magnetic Fill Light:** Provides additional illumination for various shooting conditions.

3. PRODUCT OVERVIEW

The FeiyuTech VB4SE gimbal features a foldable design for portability and an ergonomic grip for comfortable use. Key components include the smartphone clamp, 3-axis stabilization motors, control panel, and battery.

Compact and Portable Design

The gimbal weighs approximately 315g (11.1 oz) and folds to a length of 6.1 inches, making it easy to carry.

Powerful Compatibility

Maximum dimension
of compatible
smartphones:

Width: 88mm

Weight: 260g

Thickness: 10mm



Image 3.1: The FeiyuTech VB4SE gimbal in its folded state, demonstrating its compact size for easy storage and transport in a bag.

Control Panel and Indicators

The control panel includes a joystick, a multi-function knob, and various indicator lights for status feedback.



Image 3.2: A detailed view of the gimbal's control panel, highlighting the status/battery indicator, Bluetooth indicator, follow status indicators, joystick, and multi-function knob.

Ergonomic Grip

The handle is designed for a comfortable and secure grip, reducing fatigue during extended use.

3-axis Stabilization

Eliminates shakes, ensures smooth and professional-quality videos and photos



Image 3.3: A user holding the FeiyuTech VB4SE, illustrating the comfortable and ergonomic design of the gimbal's handle.

4. SETUP

4.1 Charging the Gimbal

Before first use, fully charge the gimbal. Connect the provided USB-C cable to the gimbal's charging port and a USB power adapter (not included). The battery indicator lights will show the charging status. A full charge takes approximately 3.5 hours and provides up to 9 hours of runtime.

4.2 Mounting Your Smartphone

Ensure your smartphone is within the compatible dimensions:

- **Maximum Weight:** 260g (9.2 oz)
- **Maximum Width:** 88mm (3.5 inches)
- **Maximum Thickness:** 10mm

1. Unfold the gimbal.
2. Gently pull open the smartphone clamp.
3. Insert your smartphone into the clamp, ensuring it is centered and secure. The phone's camera should ideally be on the left side when facing the gimbal's front.

Multi-function Knob

- Control 3 axis movement(roll/tilt/pan)
- Control electronic follow focus
- Control electronic zoom(zoom in/out)

Note: It can only be used in Feiyu ON app.



Image 4.1: Diagram illustrating the maximum width and thickness of smartphones compatible with the FeiyuTech VB4SE gimbal clamp.

4.3 Balancing the Smartphone

Proper balancing is crucial for optimal performance and battery life. After mounting your phone, adjust its position in the clamp until it remains level when the gimbal is powered off. This reduces strain on the motors.

4.4 Powering On/Off

- **Power On:** Press and hold the power button until the indicator lights illuminate.
- **Power Off:** Press and hold the power button until the indicator lights turn off.

4.5 App Installation and Connection (Feiyu ON App)

For full functionality and advanced shooting modes, download the Feiyu ON app from the App Store (iOS) or Google Play Store (Android).

1. Search for "Feiyu ON" in your device's app store and install it.
2. Enable Bluetooth on your smartphone.
3. Power on the VB4SE gimbal.
4. Open the Feiyu ON app and follow the on-screen instructions to connect to your gimbal via Bluetooth.



Image 4.2: Screenshot of the Feiyu ON app interface, along with icons for downloading the app from the Apple App Store and Google Play Store.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Joystick:** Controls the pan and tilt movement of the smartphone.
- **Multi-function Knob:**

- **Long Press:** Switches between controlling zoom/focus and controlling the three axes (roll/tilt/pan).
 - **Single Tap:** Switches between controlling zoom/focus and controlling roll/tilt/pan.
 - **Rotate:** Adjusts zoom, focus, or axis movement based on the selected mode. (Note: Zoom/focus control is only available within the Feiyu ON app.)
- **Mode Button (M):** Cycles through different shooting modes.

Comfortable Grip

The ergonomic handle saves you effort and prevents you from getting tired if you hold it for a long time.



Image 5.1: Close-up of the multi-function knob on the FeiyuTech VB4SE, used for controlling various gimbal functions like zoom, focus, and axis movement.

5.2 Shooting Modes

The VB4SE offers several shooting modes, indicated by the follow status lights:

- **Pan Follow (PF):** The pan axis follows your movement, while the tilt and roll axes remain locked.
- **Tilt Follow (TF):** The tilt axis follows your movement, while the pan and roll axes remain locked.
- **Lock Mode (HL):** All three axes are locked, keeping the camera pointing in a fixed direction.
- **FPV Mode:** All three axes follow your movement, providing a first-person view effect.
- **All Follow Mode (AF):** All three axes follow your movement smoothly.

Standard Accessories



Optional Accessories



Magnetic fill light



Tracking module

Image 5.2: The FeiyuTech VB4SE gimbal actively stabilizing a smartphone during a dynamic outdoor activity, demonstrating its 3-axis stabilization capabilities.

5.3 Advanced Shooting Features (via Feiyu ON App)

The Feiyu ON app unlocks additional creative shooting modes:

- **Time-lapse:** Capture sequences of images over time to create accelerated videos.
- **Dolly Zoom:** Create a dramatic visual effect where the background appears to change size while the subject

remains constant.

- **Light Trail:** Capture artistic photos with light streaks.
- **Double Exposure:** Combine two exposures into a single image.
- **Panorama:** Stitch multiple photos together to create wide panoramic images.

5.4 Gesture Control

When connected to the Feiyu ON app, the gimbal supports gesture control for hands-free operation.

Compact and Portable

Can be folded and easy to carry



Foldable



Come with carrying bag



Smaller than phone

Image 5.3: Illustrations of various hand gestures recognized by the FeiyuTech VB4SE for functions such as taking photos, recording videos, starting/stopping tracking, and switching between vertical/horizontal modes.

5.5 AI Tracking (with Optional Module)

If you have the optional AI Intelligent Tracking Module, you can enable AI face tracking and gesture control for automatic subject following.

Image 5.4: The FeiyuTech VB4SE gimbal utilizing AI tracking to automatically follow a subject, indicated by a green box around the person in the smartphone display.

6. MAINTENANCE

6.1 Cleaning

Wipe the gimbal with a soft, dry cloth. Do not use liquid cleaners or solvents. Keep the charging port free of dust and debris.

6.2 Storage

Store the gimbal in its folded state in the provided drawstring bag or a protective case. Avoid exposing it to extreme temperatures, humidity, or direct sunlight. For long-term storage, ensure the battery is charged to approximately 50-60%.

6.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Recharge the gimbal regularly, even if not in use, to prevent deep discharge.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Gimbal does not power on.	Low battery.	Charge the gimbal fully.
Gimbal vibrates or motors are weak.	Smartphone not balanced correctly; phone too heavy.	Re-balance the smartphone. Ensure phone weight is within specifications.
Cannot connect to Feiyu ON app via Bluetooth.	Bluetooth is off; app not open; gimbal not in pairing mode.	Ensure Bluetooth is enabled on your phone. Restart the app and gimbal. Follow app instructions for pairing.
Gimbal stops charging.	Faulty cable or power adapter; internal issue.	Try a different USB-C cable and power adapter. If the issue persists, contact customer support.

8. SPECIFICATIONS

- **Model:** VB4SE
- **Dimensions (Unfolded):** 2.4"D x 4.92"W x 10.83"H (61mm x 125mm x 275mm)
- **Dimensions (Folded):** 3.88" x 6.06" x 2.11" (98.5mm x 154mm x 53.5mm)
- **Item Weight:** 315g (11.1 ounces)
- **Payload Capacity:** Up to 260g (9.2 oz)

- **Compatible Smartphone Width:** Up to 88mm (3.5 inches)
- **Compatible Smartphone Thickness:** Up to 10mm
- **Battery Capacity:** 1300mAh
- **Runtime:** Up to 9 hours
- **Charging Time:** Approximately 3.5 hours (via USB-C)
- **Connectivity:** Bluetooth 5.0
- **Manufacturer:** FeiyuTech

9. WARRANTY AND SUPPORT

FeiyuTech products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official FeiyuTech website. For technical support, troubleshooting assistance, or service inquiries, please contact FeiyuTech customer support through their official channels.

Online Resources:

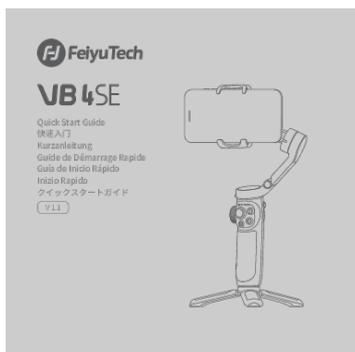
- Official FeiyuTech Website: www.feiyu-tech.com
- Feiyu ON App Support: Refer to the app's help section.

Related Documents - VB4SE

	<p>FeiyuTech VB4 3-Axis Handheld Gimbal for Smartphone: User Manual</p> <p>Comprehensive user manual for the FeiyuTech VB4 3-Axis Handheld Gimbal for Smartphones. Covers setup, operation, modes, connection, indicators, specifications, and maintenance for this compact smartphone stabilizer.</p>
	<p>FeiyuTech VB 4SE 3-Axis Handheld Gimbal for Smartphone User Manual</p> <p>Comprehensive user manual for the FeiyuTech VB 4SE, a 3-axis handheld gimbal designed for smartphones. This guide covers setup, operation, modes, indicators, specifications, and troubleshooting.</p>
	<p>FeiyuTech VLOG Pocket 2 / MT2 Quick Start Guide</p> <p>Get started quickly with your FeiyuTech VLOG Pocket 2 / MT2 3-axis smartphone gimbal. This guide covers setup, basic operation, and app connection for stable mobile videography.</p>

	<p>FeiyuTech VB 4 Gimbal: Quick Start Guide for Smartphone Stabilization</p> <p>Get started quickly with your FeiyuTech VB 4 smartphone gimbal. This guide provides essential setup, operation, and connection instructions for stable, professional-looking video.</p>
	<p>FEIYUTECH SPG C: 3-Axis Stabilized Handheld Gimbal for Smartphone - User Manual</p> <p>Comprehensive user manual for the FEIYUTECH SPG C, a 3-axis stabilized handheld gimbal for smartphones. Learn about product overview, installation, balancing, modes, functions, firmware upgrades, and parameters.</p>
	<p>FeiyuTech a2000 3-Axis Gimbal User Manual</p> <p>Comprehensive user manual for the FeiyuTech a2000 3-Axis Gimbal, covering product overview, installation, operation, balance adjustment, and firmware upgrades. Learn how to set up and use your gimbal for professional camera stabilization.</p>

Documents - FeiyuTech – VB4SE



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Quick Start Guide Kurzanleitung Guide de Dmarrage Rapide Gua de Inicio Rpido Inizio Rapido V 1.1 ... Specifications Product name: Feiyu VB 4SE 3-Axis Handheld Gimbal for Smartphone Product model: Feiyu**VB4SE** Max. Tilt Range: -20 - 35 3 Max. Roll Range: -60 - 60 3 Max. Pan Range: -80 - 185 3 ...

lang:en score:36 filesize: 10.64 M page_count: 48 document date: 2023-12-06

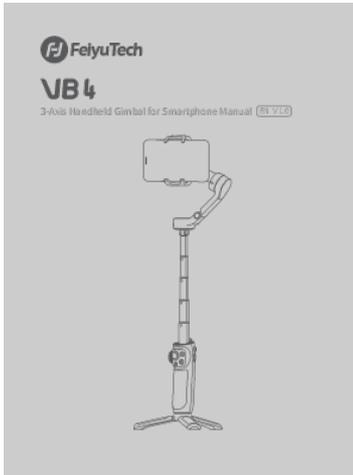


[\[pdf\]](#) Quick Start Guide Guide Accessories

Feiyu VB4SE Quick Guide New phone gimbal 2023 FeiyuTech Vimble 4SE v 1689590223 cdn shopify s files 1 1759 9593 |||

Quick Start Guide Kurzanleitung Guide de Démarrage Rapide Guia de Inicio Rápido Inizio Rapido V 1.0 ... Specifications Product name: Feiyu VB 4SE 3-Axis Handheld Gimbal for Smartphone Product model: Feiyu**VB4SE** Max. Tilt Range: -20 - 35 3 Max. Roll Range: -60 - 60 3 Max. Pan Range: -80 - 185 3 ...

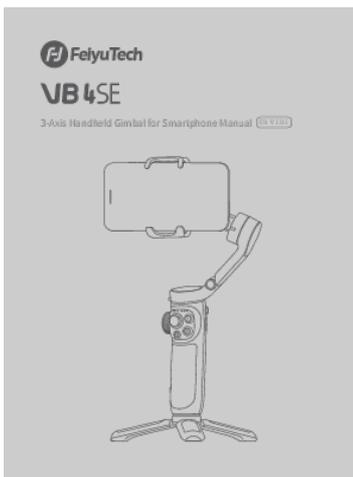
lang:en score:33 filesize: 3.45 M page_count: 44 document date: 2023-07-17



[FeiyuTech VB4 3-Axis Handheld Gimbal for Smartphone: User Manual](#)

Comprehensive user manual for the FeiyuTech VB4 3-Axis Handheld Gimbal for Smartphones. Covers setup, operation, modes, connection, indicators, specifications, and maintenance for this compact smartphone stabilizer.

lang:en score:32 filesize: 2.9 M page_count: 21 document date: 2023-08-29



[FeiyuTech VB 4SE 3-Axis Handheld Gimbal for Smartphone User Manual](#)

Comprehensive user manual for the FeiyuTech VB 4SE, a 3-axis handheld gimbal designed for smartphones. This guide covers setup, operation, modes, indicators, specifications, and troubleshooting.

lang:en score:30 filesize: 2.63 M page_count: 22 document date: 2024-02-20



[\[pdf\]](#) User Manual Quick Start Guide Installation Guide Guide Accessories

U Manual Guilin Feiyu Technology Incorporated Company VB4SE 2AHW7 2AHW7VB4SE vb4se Quick Start Guide EN V1.0 1 Quick Start Guide 1. Overview 2. Quick Experience Step 1: Unfold and ... Specifications Product name: Feiyu VB 4SE 3-Axis Handheld Gimbal for Smartphone Product model: Feiyu**VB4SE** Max. Tilt Range: -35 - 35 Max. Roll Range: -50 - 50 Max. Pan Range: -80 - 174 Size: About 9...

lang:en score:28 filesize: 2.14 M page_count: 7 document date: 2023-03-23



[pdf] Test Report

Balun FCC Exposure Evaluation V02 Guilin Feiyu Technology Incorporated Company VB4SE 2AHW7 2AHW7VB4SE vb4se
 Report No.: BL-SZ2330539-701 TEST REPORT Applicant: Address: Equipment Type: Model Name: Brand Nam ... ng District, Guilin, Guangxi, 541004, China Feiyu VB 4SE 3-Axis Handheld Gimbal for Smartphone Feiyu**VB4SE** FeiyuTech
 2AHW7-**VB4SE** 47 CFR Part 2.1093 KDB 447498 D04 v01 Mar. 09, 2023 Mar. 13, 2023 - Apr....
 lang:en score:26 filesize: 406.85 K page_count: 10 document date: 2023-05-05



[pdf] Test Report

DELL test report BLE V02 Guilin Feiyu Technology Incorporated Company VB4SE 2AHW7 2AHW7VB4SE vb4se
 Report No.: BL-SZ2330539-601 TEST REPORT Applicant: Address: Equipment Type: Model Name: Brand Nam ... ng District, Guilin, Guangxi, 541004, China Feiyu VB 4SE 3-Axis Handheld Gimbal for Smartphone Feiyu**VB4SE** FeiyuTech
 2AHW7-**VB4SE** 47 CFR Part 15 Subpart C refer section 3.1 Mar. 09, 2023 Mar. 13, 2023...
 lang:en score:17 filesize: 3.2 M page_count: 51 document date: 2023-05-05

Model	VB4	Vimble 3	Vlog Pocket 2
Product Image			
Release Time	2023-05-05	2023	2023
Weight	170g(170g)	170g(170g)	170g(170g)
Payload	200g(200g)	200g(200g)	200g(200g)
Dimension	110x60x110mm (4.33x2.36x4.33in)	110x60x110mm (4.33x2.36x4.33in)	110x60x110mm (4.33x2.36x4.33in)
Phone Width	65mm(2.56in)	65mm(2.56in)	65mm(2.56in)
Extendable Range	100-180cm (39.4-70.9in)	100-180cm (39.4-70.9in)	100-180cm (39.4-70.9in)
Battery Life	180min(3h)	180min(3h)	180min(3h)
Charging Time	180min(3h)	180min(3h)	180min(3h)
Buttons	Support Touchscreen	Support Touchscreen	Support Touchscreen
Joystick	Support Joystick	Support Joystick	Support Joystick
Focus Knob	Support Focus Knob	Support Focus Knob	Support Focus Knob
Separate Zoom Button	Support Separate Zoom Button	Support Separate Zoom Button	Support Separate Zoom Button
A/B Position Mark Buttons	Support A/B Position Mark Buttons	Support A/B Position Mark Buttons	Support A/B Position Mark Buttons
Phone Tethering	Support Phone Tethering	Support Phone Tethering	Support Phone Tethering
External Control	Support External Control	Support External Control	Support External Control
Time Lapse/Time-lapse	Support Time Lapse/Time-lapse	Support Time Lapse/Time-lapse	Support Time Lapse/Time-lapse
AI	Support AI	Support AI	Support AI
Gesture/Face Lock	Support Gesture/Face Lock	Support Gesture/Face Lock	Support Gesture/Face Lock
Optical Tracking Module	Support Optical Tracking Module	Support Optical Tracking Module	Support Optical Tracking Module

[pdf] Dimension Guide

kl Comparison VB4 Vimble 3 Vlog Pocket 2 Feiyu VB4SE New phone gimbal 2023 FeiyuTech vs VB3 v 1693538229 cdn shopify s files 1 1759 9593 |||
 Model VB4 Vimble 3 Vlog Pocket 2 Product Image Release Time Weight Payload Dimensions Phone Width Rotatable Range Battery Life Charging Time Built-in Extension Rod Status Indicator Joystick Focus Knob Separate Zoom Button A/B Position Mark Button Portrait Mode Face Tracking Gesture Control Time...
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