



FCC ID:2ALQU-VT20

IC:22607-VT20

Model:VT21

VILTA-S [User Manual](#)

Stabilizer for Smartphone

Contents

Overview

Packing List	02
Product Overview	03

Quick Start

App Installation	04
Smartphone Installation and Balance	05
App Connection	07

Start Up

Control Panel Introduction	08
App Menu Introduction	12
App Operation	14

Specifications

Specifications Parameter	17
Technical Parameter	17
Other Specification	18

Warning	19
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Warranty Information	24
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Packing List

- VILTA-S



- Portable Bag



- Charging Cable



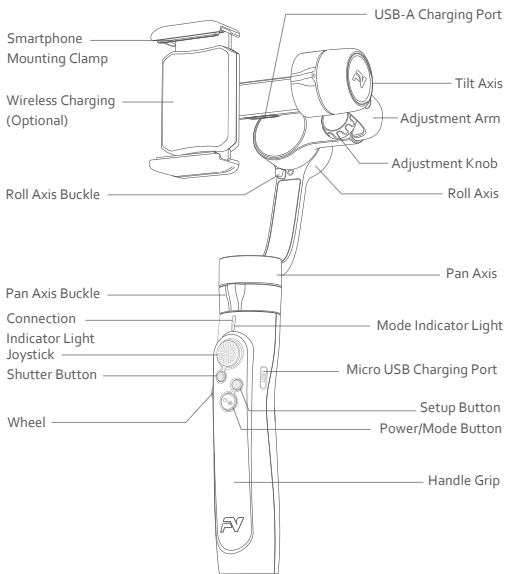
- Tripod



- User Manual



Product Overview



Portrait and Landscape Switch



1/4 Inch Screw Port



Extension Rod

App Installation

Download FV Share App

For Android users, please search FV Share App in Google Play, or scan the QR code to install. (Android 5.0 or above)

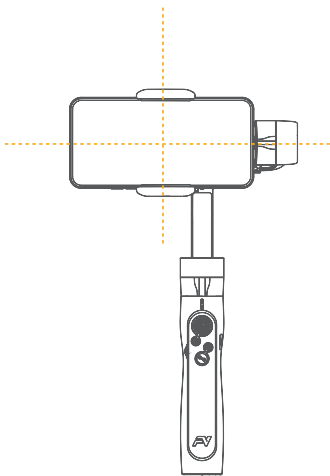


For iOS users, please search FV Share App in App Store. (iOS 9.0 or above)



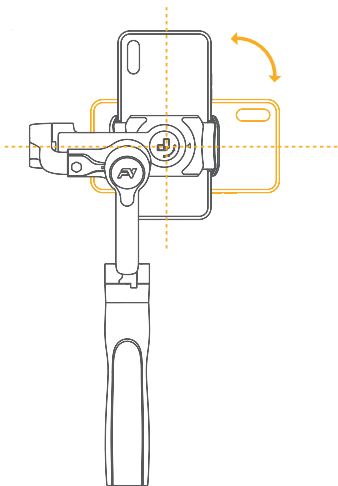
Smartphone Installation and Balance

- 1 Equidistantly pull open the smartphone mounting clamp. Put your phone in and keep it close to the tilt axis motor.
- 2 Slightly move the adjustment arm. When your phone can stay level and balanced as shown below, screw up the adjustment knob.



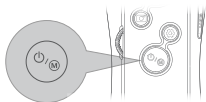
Always keep your phone mounted and well balanced in level prior to power on.

- Portrait and landscape orientation can be switched by manually rotating smartphone mounting clamp.



- Power On/Off

Long press power / mode button for 3 seconds to power on/off.



Power/Mode Button

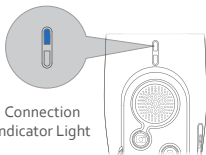
App Connection

- FV Share Connection

Power on VILTA-S.

Turn on bluetooth.

Open FV Share. Choose VILTA-S. Tap Connect to Gimbal. Choose your gimbal and get connected. After successfully connecting, the blue connection indicator light stops flashing.



Connection Indicator Light

Control Panel Introduction

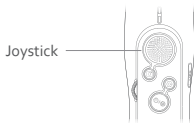
1 Shutter Button

Light press shutter button to focus. Deep press shutter button to take a photo. Double press shutter button to take selfie. Long press shutter button to record.



2 Joystick

Use joystick to control gimbal left or right, upwardly or downwardly.
(Not available at POV mode)



3 Mode Indicator Light and Mode Switch

Green Light--Lock Mode

Yellow Light--Semi Follow Mode

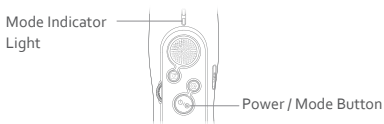
Red Light--Full Follow Mode

Flashing--Charging

Yellow Light Flashing--POV Mode

Green Light Flashing--Gimbal in Busy Status

Red Light Flashing--Gimbal Fault



Single Tap power/mode button to switch gimbal follow mode in cycle.

Double tap power/mode button to switch gimbal scene mode in cycle.

Triple tap power/mode button to recenter the smartphone.

4 Adjust Parameter

At camera auto mode, use wheel to zoom in/out , or to adjust exposure.

At camera manual mode, use wheel to adjust camera parameters.



Single tap setup button to open camera manual mode or switch camera parameters.

Double tap setup button to switch function of wheel, i.e. adjust focus or adjust exposure.

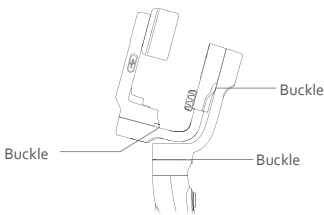
Long press setup button to exit camera manual mode.

5 VILTA-S Standby

If any buckle is locked, VILTA-S will automatically sleep.

If unlock all buckles, VILTA-S will resume work.

VILTA-S will automatically power off if VILTA-S sleeps for more than 15 minutes.



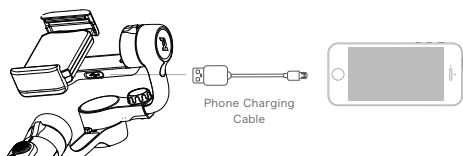
6 Charge Gimbal

- When charging, mode indicator light alternately glints.
- When fully charged, mode indicator light is green.
- Please apply charging cable with standard configuration to charge VILTA-S.



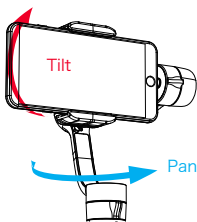
When the charging current is 2A, it takes 2.0 hours to be fully charged, which allows 17 working hours. Datum come from laboratory.

7 Charge Phone



Gimbal can charge phone via phone charging cable.

8 Gimbal Manual Mode



Directly adjust phone shooting direction by hand. Manual mode can be turned off in VILTA-S App.

App Menu Introduction

Due to the variety of Android systems, Android users may not be able to use the fully optimized functions of VILTA-S. We thank you for your understanding and support.



01 Advanced Settings

■ Camera

Camera Resolution, Video Resolution, Panorama Quality, Panorama Saved, Photo and Video Save Address, Phone Anti-shake

■ Gimbal

Roll Axis Attitude Adjustment, Scene Mode Settings, Dead Zone Settings, Gimbal Calibration, Reset All

■ Joystick

Speed, Dead Zone, Direction, Smooth Degree

■ Information

Gimbal Battery Information, Gimbal Information, About App, Live

02 Gimbal

■ Scene Modes:

Walk Mode, Sport Mode, Custom Mode

| START UP |

■ Follow Modes:

Follow Mode, Semi-follow Mode, Lock Mode, POV Mode

■ ImaginAction Mode

■ Gimbal Manual Mode

03 Camera Settings

■ Camera Mode:

Time-lapse, Panorama, Long Exposure, Beautify, HDR, Filter, White Balance, Grid, Camera Manual Mode

■ Video Mode:

Slow Motion, Beautify, Filters, Time Lapse, Motion Time Lapse, Motion Lapse, White Balance, Grid, Camera Manual Mode

04 Return

Tap  to return to App home page



05 Information

Gimbal Battery, Phone Battery, Bluetooth Connection Status

06 Documents

Preview and storage location of photos and videos.

07 IntelliTrace

Tap  to turn on IntelliTrace. Tap  to turn off IntelliTrace. Frame the subject and VILTA-S will track in real time.



Answering a phone when recording or in IntelliTrace, the recording will be automatically stopped.





08 Photo/Video Switch

Tap  to switch

09 Front/Back Camera Switch

Tap  to switch


10 Flashlight Status

- Display current flashlight status
- Tap  to switch flashlight state   

App Operation





Photo Mode

01 Panorama



Tap  to enter panorama. Choose 180°, 330°, 3*3, 3*5, VILTA S will automatically shoot and compound a panorama. It will be automatically saved to documents.

Video Mode


02 IntelliTrace

1. Tap  and choose sport mode in scene mode.
2. Tap  to start IntelliTrace.
3. Tap or draw a frame of the subject on your phone screen. VILTA-S will intelligently identify and automatically track subject.
4. Tap  to start shooting.
5. Tap  to exit IntelliTrace.

03 Time Lapse

1. Tap  and choose time lapse.
2. Set shutter interval and time of duration. Tap Start.
3. Tap  to exit shooting. Video will be automatically saved to documents.

04 Motion Time Lapse

1. Tap  and choose motion time lapse.
2. Set shooting points

Auto Mode




- Manually adjust phone to one position. Take photo at that position. It is shooting point A. Likewise, other shooting points can be done in the same approach.
- Shooting path will be generated according to the shooting points.
- Adjust smoothness of the shooting path.

Manual Mode

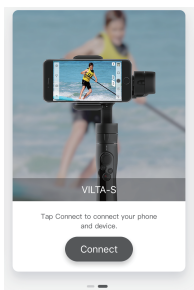


- Draw shooting path at will on your phone screen.
3. Set shutter interval and time of duration. Tap Start.




05 Slow Motion Video

1. Tap  and choose slow motion.
2. Tap  to start shooting. Tap  to exit shooting. Videos will be automatically saved to documents.




06 Photo/Video Editing



1. Photo Editing

- Enter App home page and tap  at the bottom.
- Tap  to choose the photo and editing (Filter, Beautify, Adjust, Mosaric, Crop, Paint)
- Tap  to confirm editing.

2. Video Editing

- Enter App home page and tap  at the bottom. Choose video.
- Tap  to editing (Add Video, Video Editing, Add Music, Filter, Adjust)
- Tap  to confirm editing.

07 Camera Manual Mode



- Adjust exposure, shutter, ISO, white balance, manual focus and zoom of your phone camera.

Specifications Parameter

Name	VILTA S
Item No.	VT20
Dimensions	334*133*50mm (Folded)
Weight	525g
Supported Phones	Phones Width: 58-85mm

Technical Parameter

01 Mechanical Rotation Range

Tilt	$\pm 160^{\circ}$
Roll	$\pm 155^{\circ}$
Pan	320°

02 Maximum Control Speed

Adaptive Rotation Speed ($\pm 500^{\circ}/s$)

03 Battery

Battery Type	Intelligent Lithium Battery
Voltage	7.4V
Working Current	Static:93mA Dynamic:3.6A
Battery Capacity	2000mAH
Energy	14.8WH
Consumption	Static:0.7W Dynamic:26.5W



Above datum come from laboratory. Gimbal has been well balanced. Wireless charging function is turned off. Datum vary according to phone models and gimbal balance status.

Other Specification

Operating Temperature	$-5^{\circ}\text{C}\sim 40^{\circ}\text{C}$
Wifi Type	Bluetooth 4.2

Warning

- VILTA-S will be available after being activated.
- Wireless charging function is available for phone models that can support.
- Buckles would be slightly worn because of friction.
- Do not expose to fire or high heat.
- Drop and collision will break VILTA-S. Please caution.
- Not water-proof. No water or liquid cleaning agent.
- Do not disassemble, repair or modify VILTA-S.
- Please apply charging cable complying with public safety regulation.
- Do not interfere VILTA-S operation when working.
- Not suitable for children.
- Not include smartphones.

Web: www.freevisiontech.com www.fvshare.com

Email: support@freevisiontech.com

Tel: +86 4009970100

IC Warning

This device complies with Industry Canada's licence-exempt RSSs.

Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada

. Son fonctionnement est soumis aux deux conditions suivantes :

- (1) Ce dispositif ne peut causer d'interférences ; et
- (2) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

Le dispositif a été conçu pour répondre à la demande générale de radioexposition.

CE Maintenance

1. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
2. The product shall only be connected to a USB interface of version USB2.0.
3. EUT Operating temperature range: -10°C to 40°C .
4. The device complies with RF specifications when the device is used at 5mm from your body.

Declaration of Conformity

Hangzhou Freevision Intelligent Technology Co., Ltd

Support@freevisiontech.com

hereby declares that this [Name: VILTA, Model: VT20/VT21] is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. In accordance with Article 10(2) and Article 10(10), This product is allowed to be used in all EU member states.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

| WARNING |

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

RoHS

CE



Warranty Card

From the purchase date, you enjoy the free repair within 12 months with this card if it occurs any quality problems.

Warranty Rules

If your VILTA meets the following requirements, you can enjoy the warranty policy:

- 1) If within 7 days of purchase and it occurs manufacturing defect, the customer can choose to have a full refund (based on the invoice price) or exchange the product for a new one.
- 2) With 1 years of purchase, you can enjoy free repair if it is non man-made problem.
- 3) The product has not been refitted, disassembled or modified.
- 4) Valid purchase proof is provided.

Non warranty rule

If your VILTA falls under one of the following situations, we will charge appropriate maintenance cost:

- 1) A man made problem affecting the quality of product;
- 2) Damage caused by refitting, disassemble, or opening of the shell;
- 3) An uncontrollable incident(earthquake, fire, flood, war) resulting damage;
- 4) Damage caused by not using as stated in the user manual

Warranty Information

- 1) The customer is at first required to pay the product return delivery fee. After Freevision after-sale service center receives the product, it will undergo a test.
- 2) If the product does not conform to the conditions for free repair, Freevision will assess the problem and cost of repair, the customer has the right to repair or deliver it back.
- 3) When you receive the repair service, please provide valid purchase proof and this warranty card. Please note: The warranty card only becomes valid after sale. The card can not be altered, or it will be deemed invalid.
- 4) Freevision reserves the right of final interpretation.

| WARRANTY INFORMATION |

From the purchase date, you enjoy free repair within 12 months with this card if it occurs any quality problems.

Warranty Rules

If your VILTA Mobile meets the following requirements, you can enjoy the warranty policy:

- If within 7 days of purchase and it occurs manufacturing defect, the customer can choose to have a full refund(based on the invoice price) or exchange the product for a new one;
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- Freevision reserves the right of final interpretation.

Customer Information

Name: _____

Tel: _____

Zip Code: _____

Email: _____

Address: _____

Dealer Information

Name: _____

Tel: _____

Zip Code: _____

Email: _____

Address: _____

Product Information

Item No. _____

Product Code: _____

Purchase Date: _____

Warranty Card

Inspection Date	Repair Date	Cause	Result	Technician



FREEVISION

www.freevisiontech.com