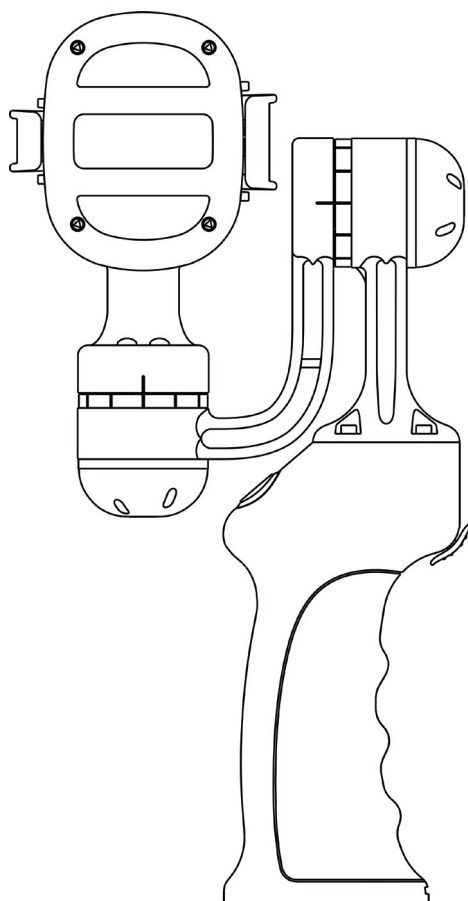




SP1 Plus **USER GUIDE**



**A sure way to shoot video
like a movie studio way**

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Technical Background

Introduction

Getting Started

Handling Methods

Applications Support &

Service

Technical Background

Fussy A.I. Logic – Combining the application on artificial intelligent algorithm with gyroscope, it proactively stabilizes the shooting of video in horizontal-axis (shakiness in horizontal levelling), in tilt-axis (shakiness in tilt angle), as well as directional-axis (shakiness in left and right motion). As a result, shakiness during video shoot can be greatly reduced.

Left right rotation 360°
while keeping horizontal
level stabilized



图 1-1

Front back rotation 360°
while keeping vertical
plane stabilized

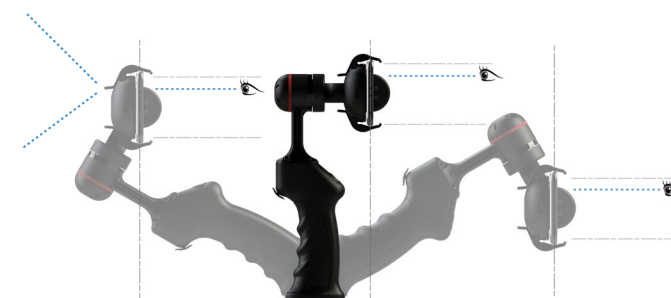


图 1-2

Advanced User Mode - Pan-Locked

In "Pan locked mode" (Motor on handle facing upward), shooting direction will be locked, while handle can still be freely rotated left and right.

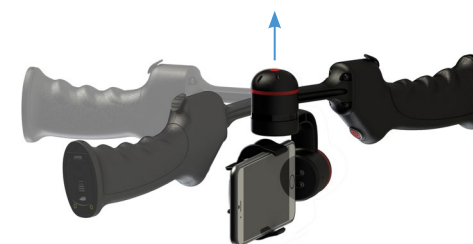


图 1-3

Advanced User Mode - Follow-me

In "Follow-me mode" (Motor on handle facing downward), smartphone will follow whatever direction when you move your handle.

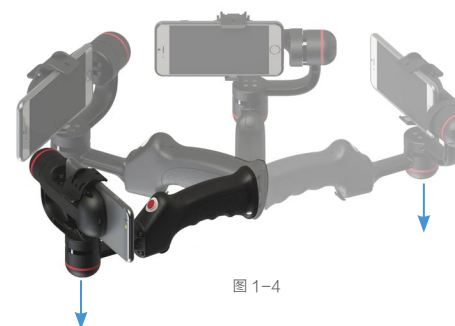


图 1-4

Legend:

A.I. for Artificial Intelligence
Horizontal-axis for roll direction
Tilt-axis for pitch direction
Directional-axis for pan direction

Introduction

WENPOD SP1 Plus is the state of the art digital gyroscopic stabilizer. It empowers stability and horizontal leveling when shooting video footage using smartphones. With SP1 Plus, in combination with a few simple techniques, it empowers ordinary people to produce extraordinary video footages.

What's in the box

Please check your contents carefully. If any items are missing, please contact your retailer.

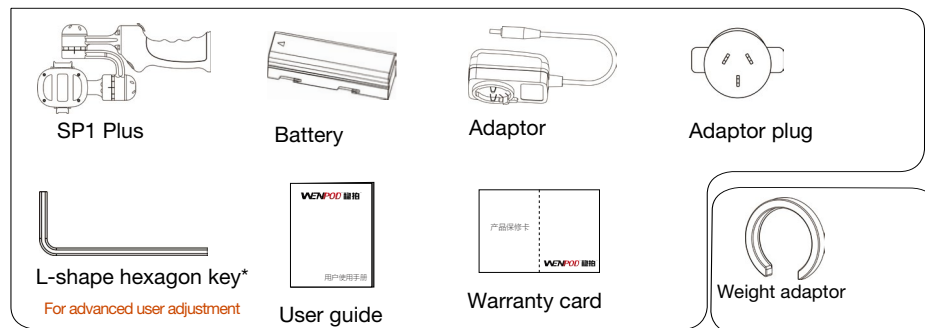


Fig. 2-1

Fig. 2-2

Product Specifications

Model no.:	WENPOD SP1+
Dimension:	L 114mm W 75mm H 262mm
Weight:	370g (including battery)
Battery type:	LiPo battery with protective circuit board
Battery capacity:	800mAh, 11.1V
Operating time:	about 150min in normal room temperature
Charging time:	about 30min ("Lightning Charg-in" patent pending technology)
Operating temperature:	-10 to 40 degree celcius
Operating humidity:	10% - 90%
Operating angle:	360°All directions (Horizontal / Veritical axis)

Support most of the popular smartphones in the market with screen size ≤ 5.5 inches and or weight ≤ 280g. Some smartphone, such as iPhone 6 Plus, may require optional accessory of weight adpator in order to operate normally.



图 2-3



图 2-4

Identify your SP1+

- ① Pitch-axis brushless motor
- ② Clips for smartphone (Upper clip wider)
- ③ Power ON/OFF button
- ④ Charging port
- ⑤ Handle / battery compartment
- ⑥ Battery compartment door
- ⑦ USB port **** (Only for manufacturer use)**
(Do NOT connect with any USB cable)
- ⑧ Roll-axis brushless motor
- ⑨ Tilt angle controller joystick

★ This USB port is for manufacturer maintenance purpose. Special USB cable is required. Connecting any cable or charging via that port is NOT permitted, and will cause damages to your SP1 Plus. Doing such will void your warranty.

Features

- 1** Horizontal-axis remain stabilized while handle can be freely rotated in 360 degree.

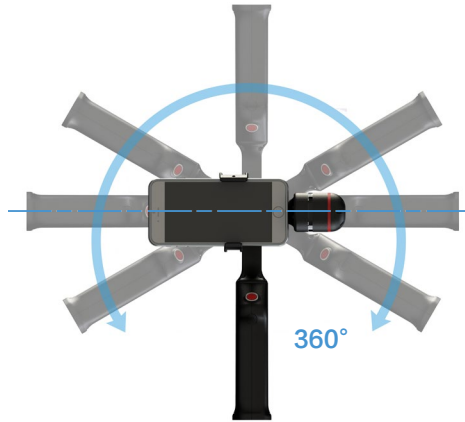


Fig. 2-5

- 2** Horizontal-axis remain stabilized while handle can be freely rotated in 360 degree.

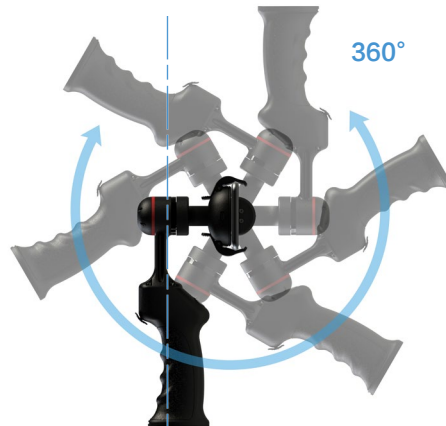


Fig. 2-6

Follow-me Mode in portrait operation mode

Smartphone will remain automatically level, while handle can be freely rotated in 360 degree.

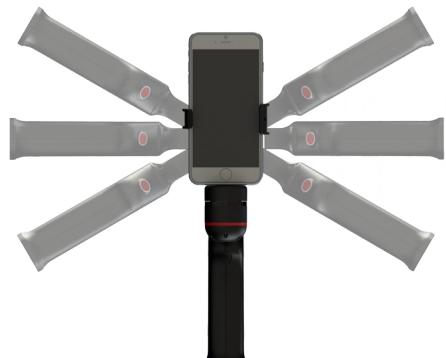


Fig. 2-7

4 Pan Locked Mode

When handle is lifted up as in the following diagram (roll-axis motor is located above the smartphone), the motor that controls the horizontal leveling will seamlessly change to the pan-axis. This allows the lock on the pan direction, while other axis is still being stabilized.

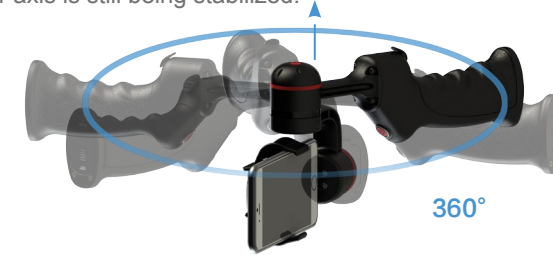


Fig. 2-8

5 Follow-me Mode

When handle is flipped down as in the following diagram (roll-axis motor is located below the smartphone), the motor that controls the horizontal leveling will seamlessly change to the pan-axis. This allows the lock the the pan direction, while other axis is still being stabilized.



Fig. 2-9

6 Digital tilt angle control joystick

The digital joystick controller allow smooth operation in tilt angle control. Pull down = Tilt up the smartphone. Push up = Tilt down smartphone



Fig. 2-10

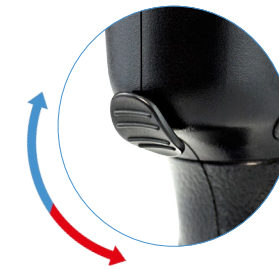


Fig. 2-11

Getting Started

This section introduces some basic yet important preparation steps as well as some basic operation.

Installing battery

As in the following diagrams, open the battery compartment door by sliding the switch to "open". Insert the battery in the direction of the triangle mark toward the battery compartment. Close the compartment door, and slide the switch to "lock" position.

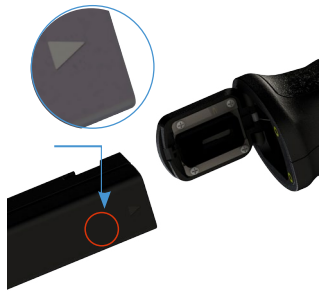


Fig. 3-1



Fig. 3-2



Fig. 3-3



Fig. 3-4

Charging the battery

- ◆ Plug in the adaptor into the wall plug outlet. Flip up the protective cover on handle, and insert the charging plug into the charging port.
- ◆ When the indicator LED on handle turns RED, the charging process has started.
- ◆ When the battery is fully charged, the LED indicating light will go off.
- ◆ After your battery is fully charged, please remove the charging plug as soon as possible, and cover the port with the protective cover. In addition, please remove the adaptor from the wall outlet.
- ◆ If you intend not to use your SP1 for long period of time, please remove the battery, and place it in a clean and cool area.

Remark: In normal room temperature, it requires about 30 minutes for completely discharged battery to be fully charged. The charging time may vary according to the temperature and power remained in the battery.

Installing the smartphone

Please press open both upper and lower clip, and slide in the smartphone as in the following diagrams. (Pitch-axis motor on your RIGHT side. Lens facing outward and way from Pitch-axis motor. Screen facing & power button facing toward you.)



Fig. 3-5



Fig. 3-6

Pre-balancing the smartphone

After smartphone has been clipped onto the SP1, a pre-balance procedure will have to be carried out as indicated in the following diagrams. As in Fig. 3-7, the weight distribution is too heavy on the LEFT side, please push the smartphone toward the Right side until balance is reached as per Fig. 3-9. As in Fig. 3-8, the weight distribution is too heavy on the RIGHT side, please push the smartphone toward the LEFT side (as the arrow indicated) until balance is reached as per Fig. 3-9.



Fig. 3-7



Fig. 3-8



Fig. 3-9

* In order to be widely compatible with most smartphone, the pre-balance process is necessary to have SP1 Plus working normally.

Using SP1

There are 2 power on operating modes. One is the **Landscape mode** as indicated in Fig. 3-10. The other is **Portrait mode** as indicated in Fig. 3-11.



Fig. 3-10

Fig. 3-11

Power on using Landscape mode.

Holding the handle vertically upright with one hand, while the other hand holds the smartphone vertically upright as well as leveling it horizontally as in Fig. 3-12. Press on the power button, and make sure your hands are stationary. Keep this stationary position for 2 seconds. After the LED indicator light turns into slow flashing status, you may release the hand that is holding the smartphone, and SP1 is ready to use in Landscape mode.

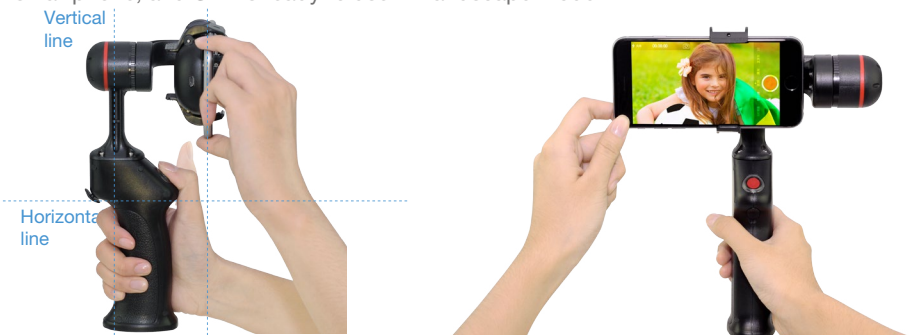


Fig. 3-12

Fig. 3-13

Power on using Landscape mode

Holding the handle vertically upright with one hand, while the other hand holds the smartphone vertically upright as well as leveling it horizontally. Press on the power button, and make sure your hands are stationary. Keep this stationary position for 2 seconds. After the LED indicator light turns into slow flashing status, you may release the hand that is holding the smartphone, and SP1+ is ready to use in Landscape mode.



Fig. 3-14

Note when power on the SP1 Plus:

During press on the power button, make sure your hands are stationary, and holding the handle and smartphone as indicated in the above pictures for about 2 seconds. At this moment, the device will record the status and automatically adjust the sensors to suit your mode of operation.

Handling Methods

【 Landscape Mode 】

In this mode, your footage will be recorded in landscape position, which will maximize the usage of CMOS sensor in your smartphone. Your footages will fit nicely in your playback devices.

Hold handle vertically upright

This is the initial power on position, and it is best suitable for making a **VIDEO SELFIE**.

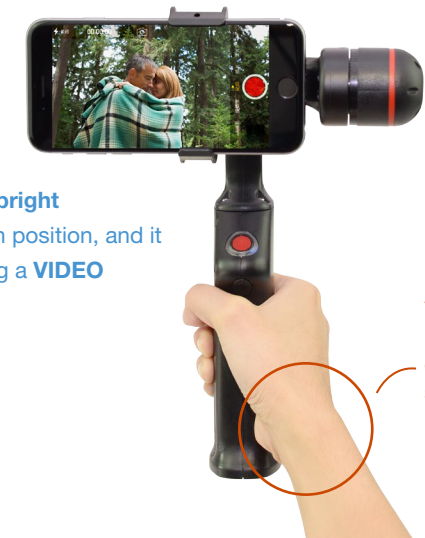


Fig. 4-1

Hold handle inverted

This position can be reached by holding your handle in upright position and lowering your arm naturally toward your leg. This position is best suitable for low angle shots for babies standing or crawling, for pets, and simulate shots as used in studio arm. (For advanced users)



Fig. 4-2

Hold handle horizontally (single handedly, for advance users)

This position is best suitable for shots as you move, also applicable for moving your camera shots. In this ergonomic position, your wrist movement will be actively cancelled by both the horizontal-axis and tilt-axis motors. This will enhance the stability of shots when you move.



Fig. 4-3

Strongly
Suggest

Hold handle in Pan-Locked Mode (single handedly, for advance users)

When holding the handle as the follow picture, flipping the horizontal-axis motor facing upward, the horizontal-axis will seamlessly change to pan-axis, and the Pan-Lock Mode will be activated using this gesture. In this mode, the direction of smartphone will remain locked, however, it is up to the operator to maintain the horizontal leveling manually. This position is best suitable for slow motion straight line shots.



Fig. 4-4

Hold handle in Follow-me Mode (Single handedly, for advance users)

When holding the handle as the follow picture, flipping the horizontal-axis motor facing downward, the horizontal-axis will seamlessly change to pan-axis, and the Follow-me Mode will be activated using this gesture. In this mode, the direction of smartphone will follow you wherever you turn your handle, however, it is up to the operator to maintain the horizontal leveling manually. This position is best suitable for slow motion non-directional shots.



Fig. 4-5

Hold handle horizontally with both hands - Normal Mode ①

Flipping the handle as the following picture shown (the horizontal-axis motor located in front of the phone screen), at the same time hold the horizontal-axis motor gently with the other hand. This position is best suitable for long shots, as well as shots in normal pacing speed.



Fig. 4-6

Strongly
Suggest

Hold handle horizontally with both hands - Pan-Locked Mode ② For advance users

Flipping the handle as the following picture shown (the horizontal-axis motor located above the phone and facing upward), at the same time hold the horizontal-axis motor gently with the other hand. This enable the directional lock in you smartphone, while handle can still be freely moved. However, due to the change of axis, it requires the operator to maintain the horizontal leveling manually. This position is best suitable for long shots, as well as shots in normal pacing speed at a fixed shooting direction.



Fig. 4-7

Hold handle horizontally with both hands - Follow-me Mode ③ For advance users

Flipping the handle as the following picture shown (the horizontal-axis motor located below the phone and facing downward), at the same time hold the horizontal-axis motor gently with the other hand. This enables the follow-me function, which allows the smartphone to follow whatever direction when you move your handle. However, due to the change of axis, it requires the operator to maintain the horizontal leveling manually. This position is best suitable for following object shots in slow pacing speed.



Fig. 4-8

<Portrait Mode> For advance users

In portrait mode, the screen of smartphone is standing upright. This portrait mode is most suitable for 360 degree wide view shots as well as taking a video selfie. It is also applicable to most popular mobile APP such as Meipai, WeChat Video and Tencent Short Video.



A sure way to shoot video in a movie studio way

Applications

Baby Log



Fig. 5-1

Mini movie production



Fig. 5-2

Wedding



Fig. 5-3

Travelling



Fig. 5-5

Life Journal



Fig. 5-4

Romantic moments



Fig. 5-6

At the scene



Fig. 5-7

Outdoors



Fig. 5-8

SP1+ Initialization / Reset

When there is change of smartphone, extreme changes in temperature, or instability during operation, you may need to reset your SP1 and carry out the initialization process. Initialization is NOT required during the day to day use except the above cases are encountered.

Procedures for Initialization / Reset

1. Follow the step in page 7 to install and Pre-balance the smartphone properly.
2. Place SP1 on a flat and stationary surface, and expose the power button as in Fig. 6-1.



Fig. 6-1

3. Press on the power button (Fig. 6-2), and the LED light will start to flash. At this moment, SP1 Plus will automatically detect the environmental data such as temperature, magnetic field and humidity.
4. After the flashing stage, LED will remain long lit for 2 second. As soon as the LED turn to a flashing stage, immediately hold the handle upright on the table, at the same time holding the smartphone upright using the other hand. Then release the hand holding the smartphone after 1 second (Fig. 6-3).
5. At this stage, the LED will turn to long lit mode, and the angle adjustment process will begin.
6. After the adjustment process, the LED will change to slow flashing mode (standby mode).
7. You may power off and then power on the device to begin normal operation.



Fig. 6-2



Fig. 6-3

Attentions :

- ◆ SP1 Plus is delicate digital electronic equipment. Please stay away from strong magnetic field, fire, water or any high temperature, high humidity or high corrosive environment to avoid causing damage to this equipment.
- ◆ SP1 is battery operated and controlled by our proprietary CPU and chipset. During the operation, please do not counteract the motors. If you found your SP1 behave abnormally, please check the battery. If LED remains long lit in operation, that means battery is low. Please replace a battery or charge it as soon as possible. If there is still power in battery, please go through the reset / initialization process.
- ◆ For best performance, please do not shake or touch SP1 during video recording.



Wrong Handlings



Wrong lens direction

Fig. 6-1



Wrong Pitch-axis motor direction

Fig. 6-2



Force upon SP1+



Fig. 6-3



Wrong screen position

Fig. 6-4

Common errors

- ◆ During video shooting, why there are lost in frames?

Possible cause: CMOS sensor in smartphone does not support high speed recording.

Solution: Try to move slowly during recording.

- ◆ After SP1 Plus is Powered on, the LED light start flash, but the device is not operating.

Possible cause : Not enough power to operate the electronic device, or battery is dead.

Solution : Charge or replace the battery.

- ◆ Why footages taken by SP1 Plus is not horizontally leveled?

Possible cause : 1. When smartphone is installed on the clips, it is not horizontally leveled at
2. When powering on the SP1+, you have not hold the smartphone upright and

Solution : 1. Re-install the smartphone. Make sure it is installed horizontally aligned.
2. Power off. Hold the phone upright the first 2 second when you power on.

After sales service

3 after sales services are included (Return, Replace, Repair)

In order to protect your right in warranty (Return, Replace and Repair), Please safe guard your warranty card issued by Supreme Technology Ltd. and your valid proof of purchase.

Return / Replace service

Supreme Store warranty the 7 days return / replace service and the 15 days replace service under the following circumstances. Please submit your request via online service.

Terms and conditions for return or replace service:

Causes	Descriptions	Valid for 7 days return / replace	Valid for 15 days replacement	Return shipping cost required?
Quality issues regulated by State rules	Contacted Supreme customer service, and have been verified that it is a quality issue.	Yes	Yes	No
Missing parts or damages caused by transition	All damages or missing parts caused by transition, and have been verified by Supreme customer service	Yes	Yes	No
Other reasons	If the merchandise is in good condition, and for any reasons beyond the above two.	Yes	No	Yes

- Special note. Under the follow circumstances, goods may not be returned.
- Goods are not purchased from our official online store (www.wenpod.com), or from any of our official distribution channels (Serial number is invalid).
- Not authorized repair, mis-use /improper use, cracks, stains, modifications, improper installation, damage in labels and serial number.
- Damage / missing in packaging box, accessories, gifts, instruction manual, and invoice

Warranty Peroid

Warranty peroid starts from the day of receipt (herein called“receipt”) and will not be extended for re-sale peroid, Supreme products warranty period will be according to the following:

- ◆ SP1 unit - warranty for 12 months from the date of receipt.
- ◆ Battery - warranty for 6 months from the date of receipt.
- ◆ Adaptor - warranty for 12 months from the date of receipt.

How to obtain warranty service

If you would like to exercise this warranty service, please call our service hotline at 400-166-8389. Detail instructions will be advised.

Please provide the following when exercising your warranty

1. The device or parts that needs to be repaired.
2. Copy of invoice or warranty card.

● Not comply with warranty services:

In any case that our service center has determined the device or parts exceeding the warranty or scopes of warranty, applicable maintenance fees will be charge according to the actual cost and labor. Charges will be quoted and service will be rendered after you payment and consent

Service Declarations

1. All damaged device or parts may not be returned after services.
- 2.This policy applies to the Law of China (but not to its conflict of terms)
3. For details of our services, please contact our customer service or hotline [400-166-8389](tel:400-166-8389) (Service hours: 09:15 – 22:00, Monday to Friday, except public holidays, and subject to change in accordance to the company's official website announcement)

We reserve the rights to the service policies. If you have any questions, please contact our customer service

Return for repair service

Service Description

In order to provide provide a speedy return for repair channel to WENPOD customers, if customers encounter any quality issue 15 days after the purchase (according to the invoice date or the date of receipt of goods excluding the 15th day), please call our customer service hotline 400 166 8389 to apply the return for repair service. Customer will receive SMS message after the approval. Customer can return the goods to our designated service center for repair. After finished repair, we shall return the goods to customers.

After the warranty period or malfunction due to damage caused by user, WENPOD service center will contact the user to offer maintenance at cost.

Freight Rules

Type of problem	Freight rules
Within warranty period, and warranty rules	To and return shipping cost - free
After warranty and beyond warranty rules	To and return shipping cost - at user's cost

3. Warm tips

Users are required to call the service hotline to submit an application for return or repair service. For those who sent the faulty unit directly to our sevice center prior to calling our service hotline, WENPOD reserves the right to reject the unit and return to customer directly.

After successfully applied for this service via our service hotline, please follow the SMS instructions to return the faulty unit within three days.

If your WENPOD is not covered by warranty, we will charge maintenance fees according to actual situation.

Logistics Responsibility: For loss, damage and other problems caused by logistics. The liability will be borne by the logistics company.

For any question, please call WENPOD customer service hotline (4001668389) for advice.

4. After Sales FAQ

1. Can I call the customer service hotline to place order?

Currently, phone order is not supported. Please place order through the official WeChat shop or official Taobao Mall.

2. Whether the shipping cost is included in the price quote online?

All price quoted online include shipping cost, and the default courier used will be S.F. Express.

3. What should I do if I found quality issue after purchase.

Within 7 days of receipt, you can apply for refund / replacement. Within 15 days, you can apply for a replacement. Within one year warranty, Goods can be returned for repair upon calling our service hotline for quality issue evulation.

4. What are the precautions for issuing invoice?

- 1) Please call our customer service center hotline to confirm the invoice details right after the purchase. Invoice can not be re-issued after the invoice is generated. Company name should not be more than 15 characters on invoice.
- 2) Invoice amount can not exceed the amount of orders;
- 3) Amount paid by coupon can not be invoiced.

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Import and export controls

For the products described in this manual, (including but not limited to product technical data) all export, re-import or import should be complied with the applicable laws and regulations.

* We reserve the right to make changes without further notice to any products herein.
Please refers to our official website www.wenpod.com for any update.

Safety information

Before using and operating the device, please read and pay attention the following precautions to ensure optimum equipment performance and to avoid dangerous or illegal situations.

Operating environment

Do not use the device in dusty, wet, dirty environment or close to magnetic fields, in order to avoid causing internal circuit failure.

Do not use the device during thunderstorm. It may lead to equipment failure or cause hazards. Please use or store this equipment and accessories in the temperature range from -10 ℃ ~ 40 ℃. When the ambient temperature is too high or too low, it may cause malfunction to the device.

Do not place the device under direct sunlight, such as car dashboard or windowsill place.

Keep the equipment and accessories away from rain or moisture. It will cause fire or electric shock hazard.

Do not place the device near heat sources or naked fire sources, such as electric heating, microwave, oven, water heater, fireplace, candles or other places that may generate high temperatures.

Accessory requirement

Use of unauthorized or incompatible power supplies, chargers or batteries may cause fire, explosion or other hazard.

Use only equipment approved by the manufacturer and model of the device with the matching accessories. If you use other types of accessories may invalidate any warranty of the device as well as the relevant provisions of the country and may cause accidents. To get approved accessories, please contact our authorized service center.

Electronic equipment

This equipment should not be used in any premises that electronic equipment is prohibited. It will interfere with other electronic equipment or cause other hazards.

Children precautions

This device and its accessories may contain small parts. Keep the device and its accessories out of the reach of children. Children could damage the device and its accessories inadvertently, or swallow small parts and may cause choking or other hazard.

This equipment is not toys, children may operate only under adult supervision.

Adaptor Charger Safety

When the device is being charged, the equipment should be placed near the power outlet and should be easily accessible. When fully charged or not being charged, disconnect the charger from the device and unplug the charger from the power outlet. Do not drop or bump the charger. Please contact an authorized service center for replacement when housing of charger is damaged.

If the charger plug or power cord is damaged, please do not use to avoid electric shock or fire. Do not touch the device or charger with wet hands. Do not unplug the charger by way of pulling the power cable. If charger is exposed to rain, liquid, or excessive moisture, discontinue to use and contact an authorized service center for replacement. Chargers must meet the safety requirement of "GB4943.1 IT equipment standard - 2.5 Restricted Power".

Battery Safety

Do not connect or touch battery poles with metal objects conductor, in order to avoid battery short circuit, and burns due to battery overheating and causing any injury.

Do not expose the battery to high temperature environment, such as under sunlight, heaters, microwave, oven or water heater. Battery overheating may cause explosion.

Do not disassemble or modify the battery, insert foreign objects, or immerge into the water or other liquids to avoid battery leakage, overheating, fire or explosion. If battery leaks, do not come into contact with skin or eyes with leaking liquid. If you come into contact with the skin or eyes, flush with water immediately, and go to the hospital for medical treatment.

If the battery is in use, saving in the process of charging or discoloration, deformation, abnormal heat and other anomalies, please stop using it and replace with new batteries. Do not throw batteries into the fire, otherwise it will cause the battery to fire and explosion. Dispose of batteries according to local regulations, not dispose as household waste. If the battery is disposed of improperly can cause the battery to explode. Do not allow children or pets to swallow the bite batteries to avoid inflicting harm or cause the device to malfunction or explode.

Do not drop, crush, or puncture the battery. Avoid letting the battery from external pressure, causing the battery internal short circuit and overheating. Do not use a damaged battery. When the standby time of the device is significantly shorter than normal, replace the battery.

Care and Maintenance

Please keep equipment and accessories dry. Do not use microwave oven, hair dryer or any other external heating device to dry your equipment.

Do not store the equipment and accessories in extreme temperature environment. It may lead to device failure, fire or explosion.

Avoid strong impact or vibration to your equipment and accessories. It will result in failure.

Before cleaning and maintenance, please power off the device and discount all cable attached.

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device or its accessories. Use clean, dry, soft cloth to wipe the device or its accessories.

Do not attempt to modify or repair the equipment and accessories. It will void your warranty. For any problems, please contact an authorized service center.