PZent
Technology

SH-350G MANUAL

PZent

Anywhere is home

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1. Outline of Product

This Product is a short-range wireless communication device using 2.4GHz frequency.

Several SLAVE devices are connected to one MASTER device to form a group call.

Up to 6 people including the MASTER device can talk to each other at the same time

(※ If EARSET is used, six people can talk to each other over the device. If not, one-way call is possible).

You can listen by connecting SLAVE devices unlimitedly. It is also easy to carry thanks to

a light weight of 70g, and can be charged with micro USB cable. This product can be used in

various places such as interpretation system, tour guide, sport scenes, work sites, etc.

Certificate No.	MSIP-CRM-ESE-SH-350G
Manufacturer / Made in	Seyoung Information & Telecommunications, Co., Ltd. / Korea
Manufactured Date	Marked separately in the product

This radio equipment may cause radio interference, so it cannot provide services related to personal safety

2. Safety Precautions

This Manual is prepared for users' safety and the correct use of the device.

- Do not leave the device in an extremely hot or humid place.
  Doing so may cause malfunction, damage to the device, and explosion.
- When used for a long time, it may cause hearing disorder.
  Please use the device with the appropriate volume.
- This device can be used only at a short distance and only in countries where the use of the 2.4Ghz frequency band is permitted.
- Do not leave the battery charging terminal on or near electromagnetic objects.
- Do not disassemble or shock the device.
- Before use, be sure to fully charge the battery.
- This device is a wireless communication device. If a wireless product using the same frequency is nearby, it may cause service degradation or service failure during operation.

3. Precautions for Handling Battery

Precautions for Use

- It is designed not to cause any problems during charging the device up to 45℃, but it is recommended to avoid exposing the device to ambient temperatures higher than 35°C because it may permanently damage battery capacity.

- The device is designed to be used up to an ambient temperature of −20°C.
  However, when using your device in a very cold environment, you may notice a decrease in battery life, but this condition is temporary. Once the battery's temperature returns to its normal operating range, its performance will return to normal as well.

Precautions for Storage

- If you need to keep your device for 6 months or longer, you should charge the device every six months and keep it at 50% charge level.
- Keep the device in a cool and damp place with an ambient temperature of less than 32°C.
- If you store a device when its battery is fully discharged, the battery may fall into a deep discharge state, which renders it incapable of holding a charge.
- Conversely, if you store it fully charged for an extended period of time, the battery may lose some capacity, leading to shorter battery life.

4. Specifications of Product

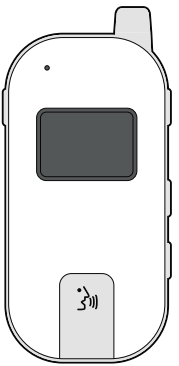
Quality mark in accordance with the Quality Management and Safety Control of Industrial Products Act

Frequency Band	2,403~2,481 GHz
Available Service Distance (It may vary depending on service environment)	500m
Transmission Output	Max. 100mW
No. of Channel	40 channels
Charging Time	5 Hours
Usage Hours	10 Hours or longer
Battery Charger Type	Latium Polymer 3.7V 1,400mA
Weight	70g
Size (W x H x D)	38 x 78 x 19 mm
Operating environment temperature	-20℃ ~ 60℃
Waterproof / Dustproof	IP 54 grade

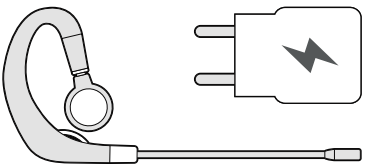
※ We, the manufacturer, do not take any responsibility for unauthorized use in foreign countries.

5. Basic Component

SH-350G X 2

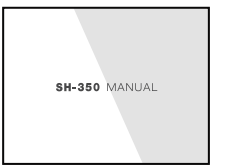


NE-350 X 2

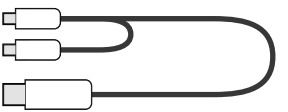


ADAPTER X 1

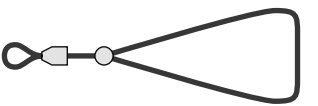
MANUAL X 1



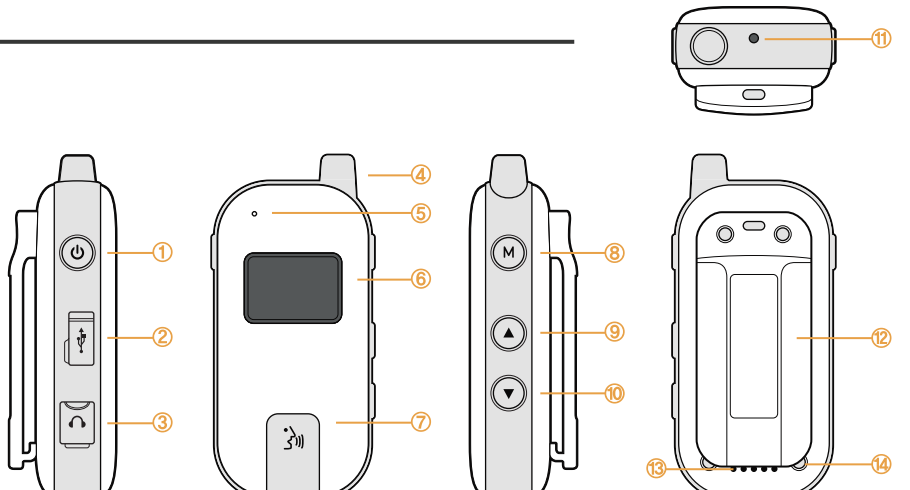
USB CABLE X 1



NECK STRAP X 2

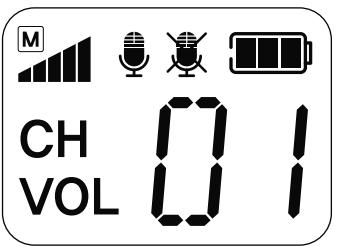


6. Names and Functions of Parts



① Power button :	Turn ON / OFF the device
② Micro USB terminal :	Used for charging with Micro USB cable
③ EAR JACK terminal :	Used when connecting the device with the EARSET
④ Antenna :	Antenna for wireless transmission/reception
⑤ MIC :	Built-in microphone, used when not using the EARSET
⑥ LCD :	Display various information required for product operation
⑦ TALK button :	Press Talk ON / OFF button
⑧ MENU button :	The button to change a channel mode
⑨ Up button :	Used for increasing the call volume or the channel number.
⑩ Down button :	Used for decreasing the call volume or the channel number
⑪ LED :	It shows charging status. Red LED lights up during charging. Green LED lights up when charging is completed.
⑫ Belt clip :	Used for wearing it on clothes or waist belt
⑬ Speaker :	Built-in speaker, used when not using the EARSET
⑭ Charging terminal :	Used for simultaneous charging cradle (simultaneous charging cradle sold separately)

7. Composition of Screen



① M — Display MASTER device

② — Receive Sensitivity:
Display if it is linked to the MASTER device

③ — Display the state of having the Right to speak

④ — Display the state of
denying the request for the right to speak

⑤ — Display the battery level

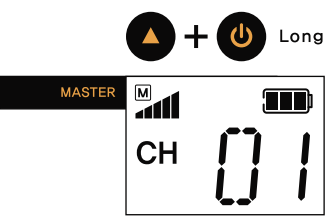
⑥ CH — Channel display range: 01~40

⑦ VOL — Volume display range: 00~06

8. How to Use

[To check proper audio output, please connect the device and the EARSET first before turning on the device]

A. Power On / Off – MASTER Device

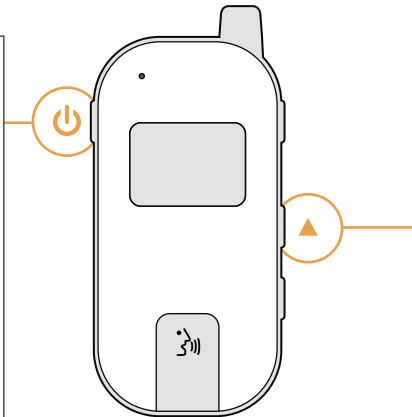


How to Turn on the Device

1. Press and Hold the power button for about 2~3 seconds while pressing ▲ button.
2. When booting the device normally, the LCD shown in the left side is displayed with the sound, " MASTER ON ".

How to Turn off the Device

1. Press and Hold the power button for about 2~3 seconds.
2. When shutting down the device normally, the LCD turns off with the sound,"POWER OFF".

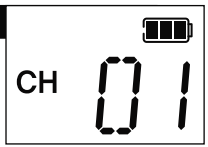


B. Power On/Off – SLAVE Device

Long

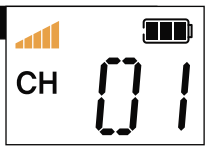
SLAVE

①



SLAVE

②

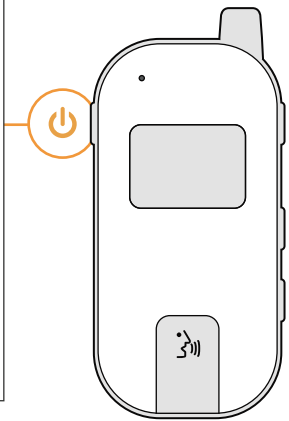


How to Turn on the Device

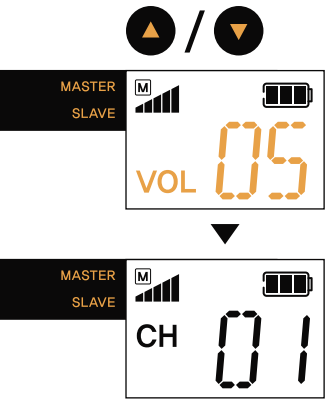
1. Press and Hold the power button for about 2~3 seconds.
2. When booting the device normally, ① the LCD is displayed with the sound, "SLAVE ON"
3. If the MASTER device is turned on and the channel is the same, the LINK icon will light up as shown on ② the LCD and be linked to the MASTER device.

How to Turn off the Device

1. Press and Hold the power button for about 2~3 seconds.
2. When shutting down the device normally, the LCD turns off with the sound,"POWER OFF".

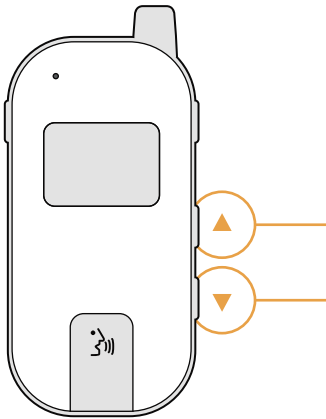


C. Volume Control

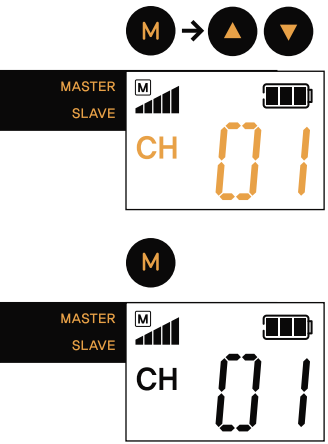


1. If you press the ▲ (UP)/ ▼(Down) button when the device is turned on, the [VOL] icon is turned on, and the currently changed volume value is displayed.
2. Then, change the volume value that you want by pressing ▲/▼ of the arrow pad.
3. If you do not press the button, it will return to the previous screen after 1.5 seconds.

※ Volume can be adjusted in seven steps ranging from 00 to 06.



D. Changing Channels

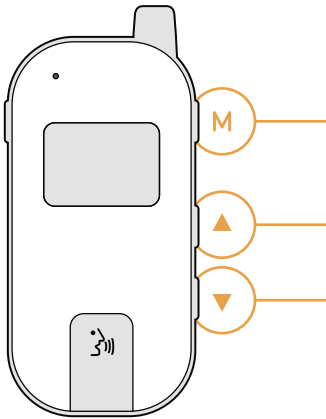


1. If you press the MENU button, the [CH] icon will blink. In this case, change channels by using ▲ (UP)/ ▼ (Down) button.

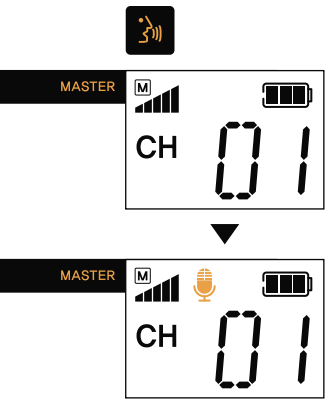
※ If you press and hold the ▲/▼ button for about 2 seconds, numbers in the tens will be changed.
EX) 12 → 22 / 22 → 12

2. After changing the channel and pressing the MENU button again, the terminal will be rebooted, completing the channel setting.

※ Channel memory function:
When the terminal is turned off and on again, you can use the last changed channel immediately.



E. Requesting a MASTER Device to Have/Cancel the Right to Speak

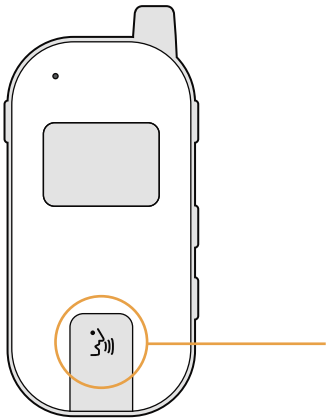


Request

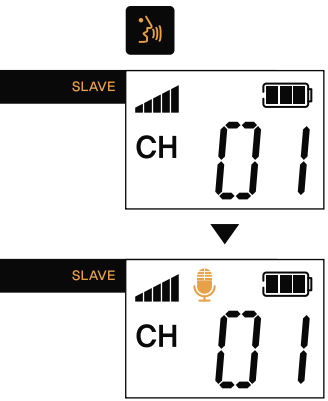
1. Press the TALK button shortly on the front of the MASTER device.
2. The icon, "Right to Speak", is displayed with the "TALK ON" sound, and you can make two-way call with the SLAVE device.

Cancellation

1. If you press the TALK button shortly while the icon "Right to Speak" is turned on, the right to speak is cancelled with the"TALK OFF"sound.
2. You can only listen to conversations between other devices.



F. Requesting a SLAVE Device to Have/Cancel the Right to Speak

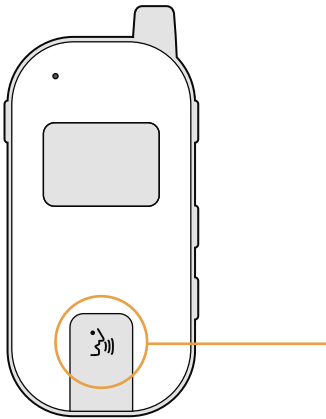


Request

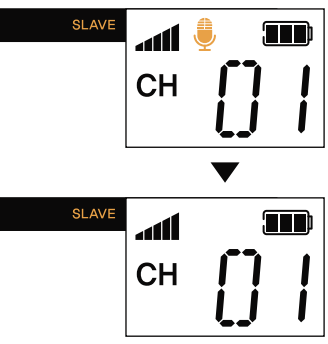
1. Press the TALK button shortly on the front of the SLAVE device.
2. The icon, "Right to Speak", is displayed with "TALK ON" sound, and you can make two–way call with the MASTER device.

Cancellation

1. If you press the TALK button shortly while the icon "Right to Speak" is turned on, the right to speak is cancelled with the"TALK OFF"sound.
2. You can only listen to conversations between other devices.



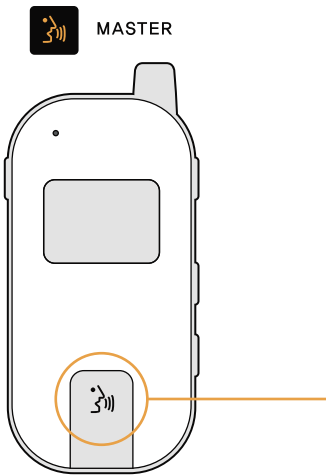
G. Cancelling the Right to Speak of SLAVE Devices in a Lump by Using the MASTER Device



1. If you press the TALK button on the front of the MASTER device for a long time (about 2~3 seconds), the icon "Right to Speak" shown on all SLAVE devices will be cancelled, and users having SLAVE devices can only listen.

2. If the cancellation is successfully done, the 'TALK OFF' sound is heard from the SLAVE device.

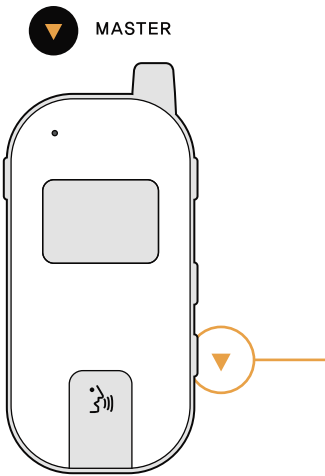
※ Automatically Cancel the Right to Speak :
When the service function between the MASTER and SLAVE device is out of range, the right to speak is automatically cancelled.



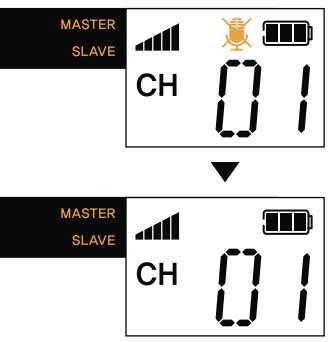
H. Setting the Lock Function of the Right to Speak of SLAVE Devices by Using the MASTER Device

Setting the Lock Function of the Right to Speak

1. Press ▼ button on the MASTER device for about 3~5 seconds.
2. If the right to speak is successfully blocked, the lock function icon will appear on the SLAVE device along with the 'toot–toot' sound. In this case, you cannot make a two–way call even if you press the TALK button.

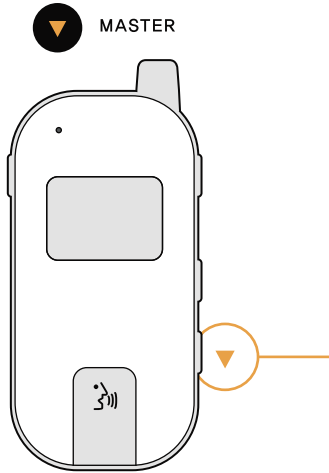


I. Cancelling the Lock Function of the Right to Speak of SLAVE Devices by Using the MASTER Device



Cancelling the Lock Function of the Right to Speak

1. Press ▼ button on the MASTER device for about 3~5 seconds again.
2. If the block function is successfully canceled, the lock function icon will disappear on the SLAVE device along with the 'toot-toot' sound. In this case, you can make a two-way call by pressing the TALK button.



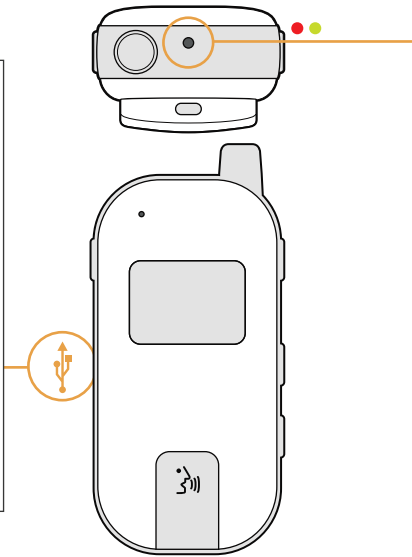
J. Displaying Charging Status/Battery Level

You can charge the device by
using a micro USB cable.

During charging, the red (●) LED on the top of
the device lights up. When charging is completed,
the green (●) LED lights up.

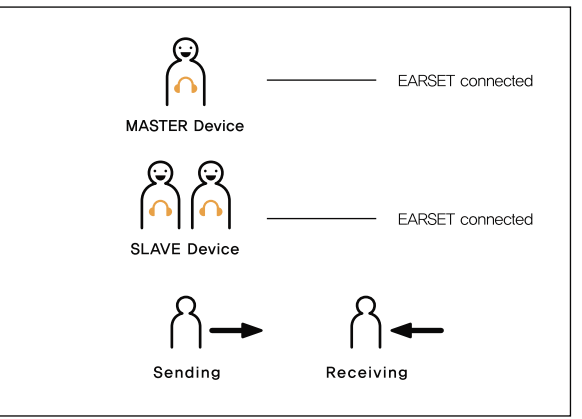
The remaining battery level is displayed on
the battery icon. When the battery is low,
the "BATTERY LOW" is sounded
(10 times for 5 minutes), and the icon blinks.

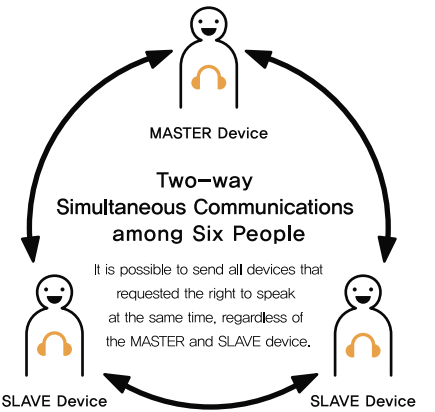
※ You can use the device for about 30 minutes
after the alarm sound, "BATTERY LOW", rings.



9. Special Functions

A. Basic function – When the EARSET is connected to all devices

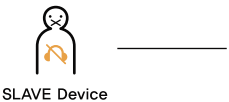




B. Special Function - Using Built-in Speaker & Microphone

[When the EARSET is connected to the MASTER device]

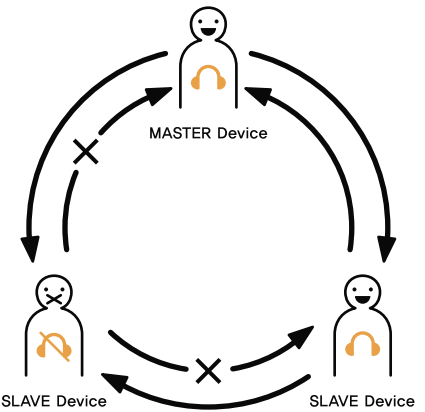
EARSET connected



EARSET disconnected
Only receiving available

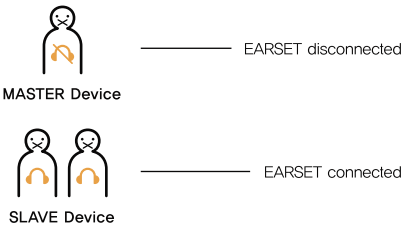
The MASTER device has the same function of having / cancelling the right to speak as the SLAVE device. However, if the EARSET is disconnected from the SLAVE device, the receiving function of the SLAVE device is only available without having the right to speak.

When the SLAVE device wants to request a conversation, you should plug it back in.



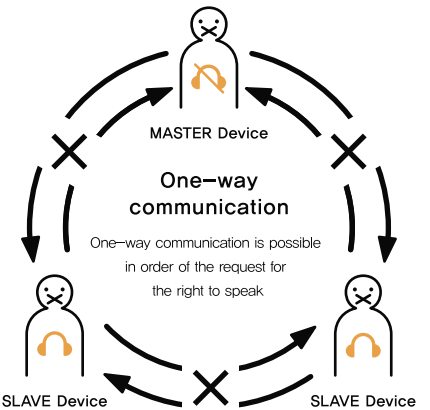
C. Special Function - Using Built-in Speaker & Microphone

[When the EARSET is disconnected from the MASTER device]



If the EARSET is unplugged from the MASTER device, all devices are automatically converted into the state in which the function of the right to speak is locked.

If you press and hold ▼ button on the MASTER device, the lock function is canceled, and communication can be done by requesting the right to speak regardless of MASTER device and SLAVE device.



10. Troubleshooting

Symptoms	Measures
Actual hours of battery use are different from that written in the Manual.	Hours of battery use slowly decreases after being purchased as consumables. If you leave the device in a low or high temperature, its service life may shorten.
The power is off.	Make sure the battery is charged. If the symptoms remain even after charging, please contact our service center.
I keep getting cut off while talking over the device.	If the battery power is insufficient, this symptom may occur. This can happen if the service range among devices is beyond the bounds, or if the wireless connection is lost due to obstacles.

11. Product Warranty

Product Name	SH-350G (WiWi)		
Purchased Date	. .	Warranty Period	24 months (Battery 1year)
Purchaser	Name		Tel
	Address		
Purchasing Place			

Quality Assurance Period (Warranty Period)

1) Up to 24 months after the date of purchase

2) The warranty period is limited only to the following products. For other accessories and consumables, you can exchange and refund them within 2 weeks after a product is received.

① SH-350G ② C-350

3) Exceptions

Even if it is within the warranty period, you may pay for a fixed repair cost or inevitably replace the product at a cost in the following cases:

① If a failure occurs due to fault or negligence in use

② If a product is disassembled and modified arbitrarily

③ If a product is damaged/breakdown due to external shock

④ If a product is corroded due to flooding or contamination of foreign substances

⑤ If a failure occurs due to a contact with a device not provided by us

⑥ If it is not possible to check product number due to the damage of product number

⑦ If a failure occurs due to natural disasters

⑧ If other users' fault is recognized

Product Exchange Regulations

1) If the product different from the product you purchased is provided

2) If the product is damaged during the delivery

3) If the fault occurs again after the product is repaired three times due to the same symptom (within warranty period)

4) If a failure occurs after the product is repaired four times due to the breakdown in different parts (within guarantee period)

5) If the product that you requested to repair is lost

Refund Regulation

1) If the product different from the product you purchased is provided

2) If there is a serious problem in normal use condition within 10 days after purchasing the product

3) Refund is available only at the place where you purchased the product. Please contact the place you purchased.

4) If there is no purchase receipt or product warranty that can verify the purchase of the product, refund will not be possible.

Precautions

1) If it is determined that this product has been significantly reduced in value as a new product, it cannot be returned.

2) The responsibility for any problems that occur when not correctly checking the specifications of the product lies with a purchaser.

PZent

Anywhere is home

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