

AVOIR RING

User Manual

In order to use the product correctly, please read the instruction manual carefully before use.

Before using the product

Avoir Ring Bridge is a smart wearable device, please use the product according to the precautions described below.

- ✓ The ring can be used in conjunction with Android 6.0 Marshmallow or higher OS and 2.4GHz Bluetooth 4.1 (BLE) enabled smartphone.
- ✓ The ring is best used for Samsung Galaxy Phone. The software update will make it available for other smartphones.
- ✓ Phones that are not compatible with Bluetooth SIG (Special Interest Group) may not connect.
- ✓ The usage may be restricted depending on the types of Bluetooth products and smart phones.
- ✓ The ring has been tested for waterproofing and dustproofing under certain conditions (international standard IEC 60529, IP67, test conditions: 15-35 ° C, 86-106kPa, 1m, 30 minutes). Please refer to the appendix at the end of this manual for notes on water and dust protection.
- ✓ Damage to the outer appearance and internal parts of the ring due to strong impact may prevent normal operation and damage the waterproof and dustproof function.
- ✓ If you put the ring near magnets, etc., the ring may not work properly. Keep the ring or charger away from direct sunlight.
- ✓ The distance between the ring and the smartphone may change depending on the usage environment.
- ✓ Battery life may vary depending on usage environment.

- ✓ Do not attempt to disassemble, modify, or repair the product yourself, please call the service center. Quality assurance does not apply to disassembled products.
- ✓ Be careful of infants not to swallow the product.
- ✓ You can check the new features that will be developed in the future on our website, and can see how to use them in various user environments. (Home page: <http://www.avoirring.com/>)



Safety and warning sign when using the product.



Instruction sign when using the product.

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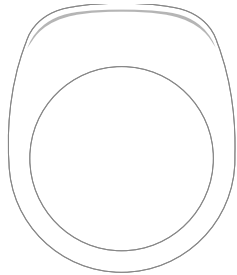
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Copyright

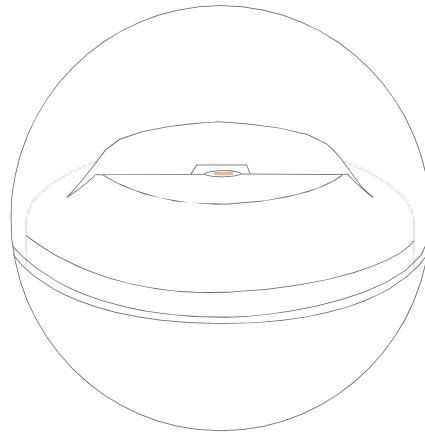
32

Product component

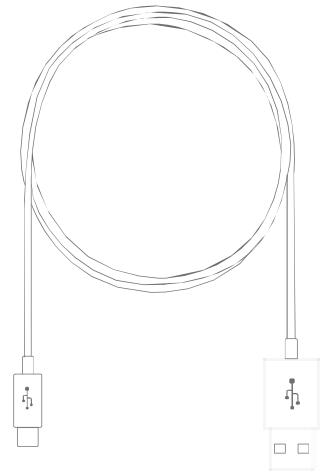
Avoir Ring



Charger



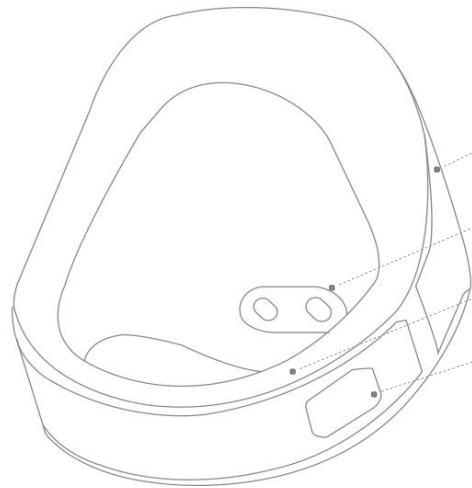
Charging Cable



- ✓ please make sure all products are included in the package.
- ✓ Actual product may differ from the image above.

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Ring name and specification



Ring name

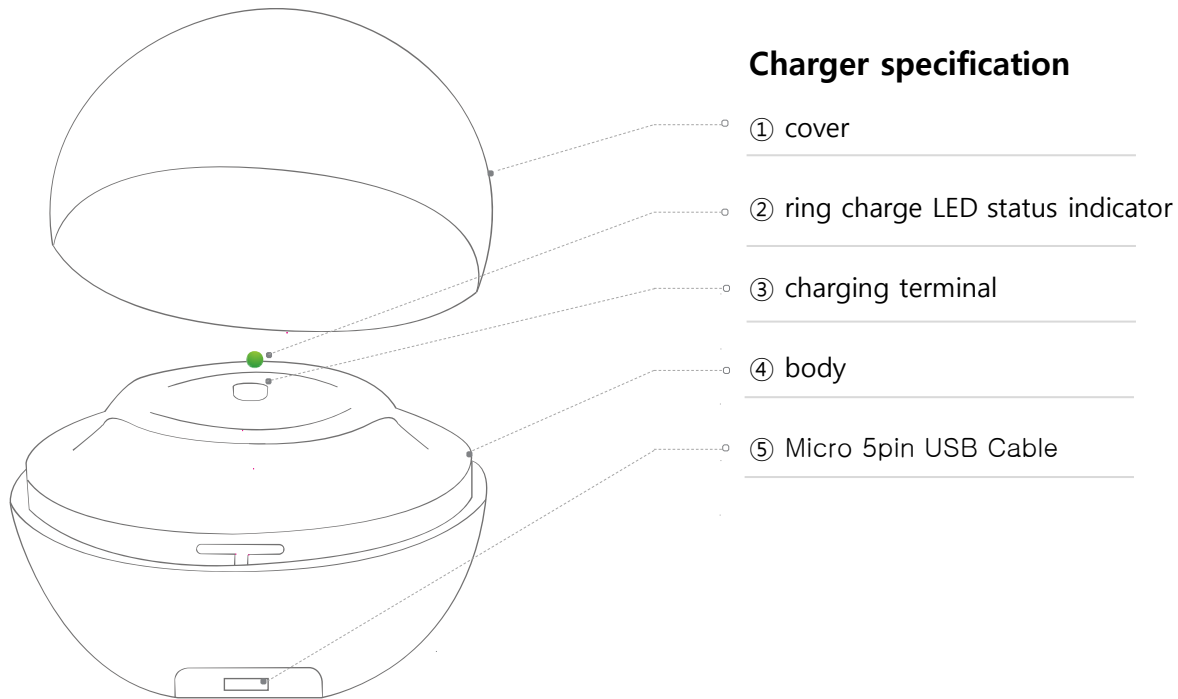
- ① Top part
- ② charging terminal
- ③ bottom part
- ④ ring button
- ⑤ upper cover
- ⑥ LED status indicator

Ring specification

Communication method	2.4GHz Bluetooth 4.1 BLE
Battery	15mAh Li-Po Battery
Standby mod	7 days
Operation mode	5 days
Charging time	90 minutes
Connectable distance	Within 10m
Waterproof · dustproof	IP67

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Charger name and specification



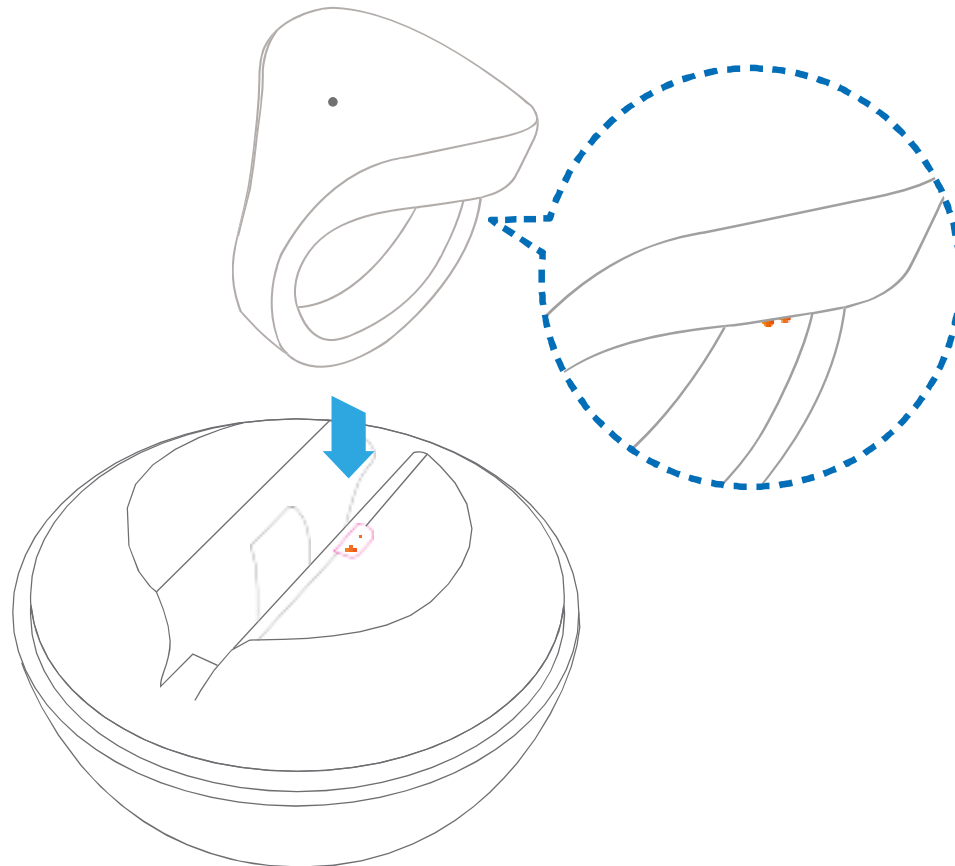
Charger specification

- ① cover
- ② ring charge LED status indicator
- ③ charging terminal
- ④ body
- ⑤ Micro 5pin USB Cable

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Charge the ring | How to charge the ring

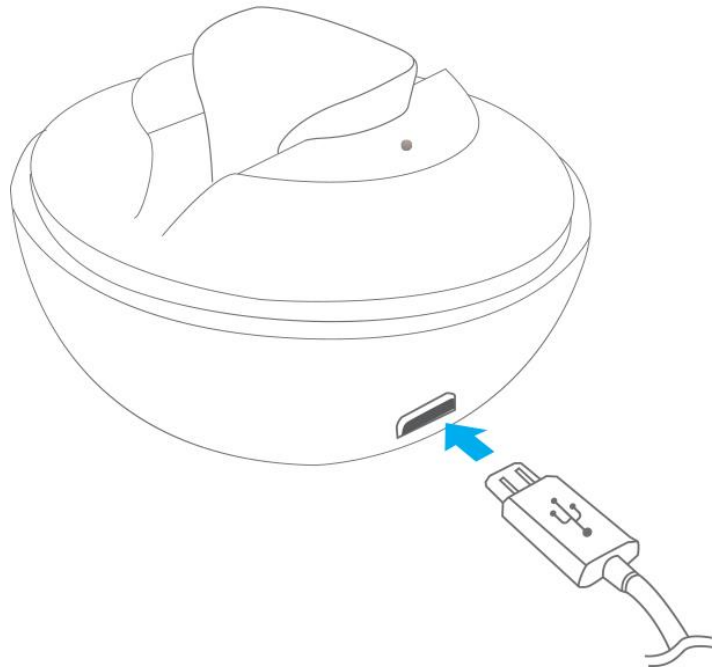
- ① Put the bottom of the ring to the charger.
- ② When it's connected, LED light appears on the ring. Please refer to the note below for color of light.



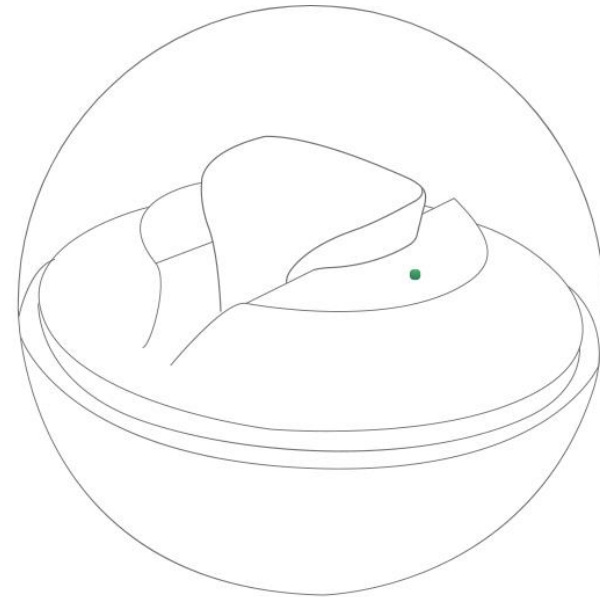
AVOIR RING

Charge the ring | How to charge the ring

① Connect the USB cable to the charger.



② Cover the charger and ring to prevent dust or other foreign matter from entering.



- ✓ Check the charging terminal position and insert it in the correct direction.
- ✓ If you put it in the opposite way, it will not light.

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Precautions when using the charger

Please fully charge battery before first use or after a long period of time,

Be sure to use the cables packaged with the Avoir Ring or certificated charging cable and adapter.

- ✓ When it is charging to a computer or a laptop via a USB cable, it may cause a slow charging speed due to low current.
- ✓ When the ring and the charger are not in contact with each other, the ring charging status indicator will not light and won't be charged. Be sure to connect them properly.
- ✓ Be careful not to insert the terminal in the opposite direction, as it may cause a problem with the product when reversing the terminal several times.
- ✓ If the ring is wet, do not charge it. Charge when it's completely dry. Please cover the charger when using or storing it.
- ✓ Charging may not be performed properly due to foreign substances such as dust.
- ✓ It is recommended that you charge the battery occasionally if you do not use the ring for a long time.
- ✓ Ring charging LED status indicator

LED Color	Status
Green	Complete charge
Red	Charging
Colorless	No ring



When charging the ring, check the LED status indicator to make sure it's charging correctly

Install apps and connect the ring | how to install Avoir Ring apps

To connect your ring with your smartphone, you'll need to install the "Avoir Ring" app on your smartphone.

Please install the "Avoir Ring" app from Google Playstore.

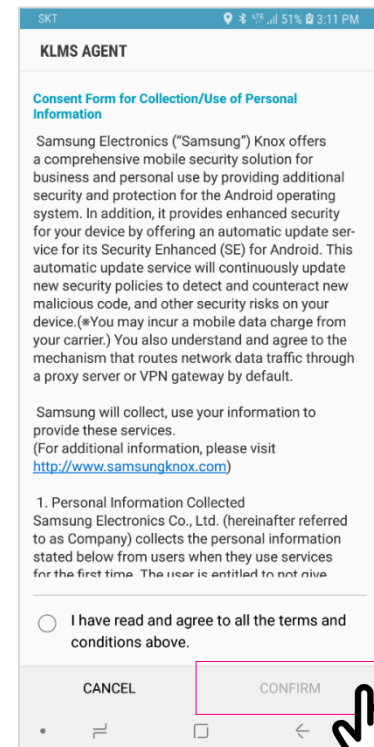


It works with Android 6.0 Marshmallow or higher OS.



This process is only for Samsung phones to various functions available with Samsung phones.

- ① Please read the notice regarding the collection of personal information and check the agreement in the lower left corner and press the OK button.



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Install apps and connect the ring | Connect the ring

Once you download the app, please read the registration instructions and proceed in order.

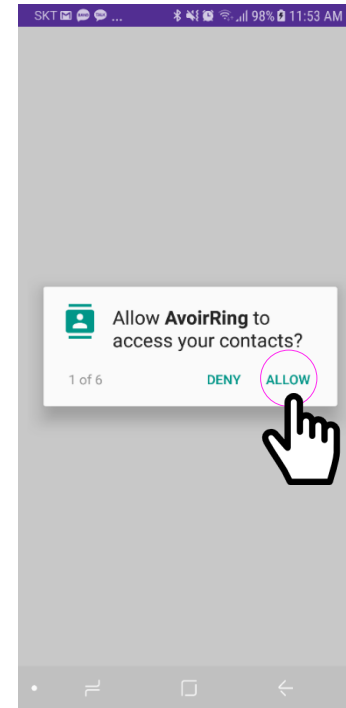


- 1) Please charge battery of the ring
- 2) Please make sure that the 'Bluetooth' function of your smartphone is turned on to register and use the ring.
- 3) Concerts, baseball grounds, etc. In a radio interference environment, the ring connection may be unstable.
- 4) Notification may vary depending on your Android version.
- 5) If you fail to link your ring continuously, please contact the o2ones service center +82 31-716-9452

- ① Please allow Avoir Ring app to access below items for proper use. Totally 6 times of access agreement will be required.

Ring connection function

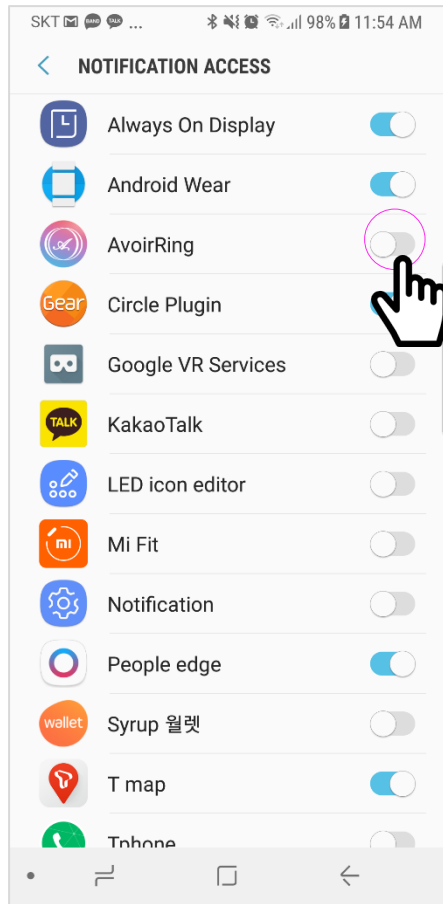
- The address book
- Manage call status
- Sending and receiving text messages
- Location information
- Storage
- Microphone



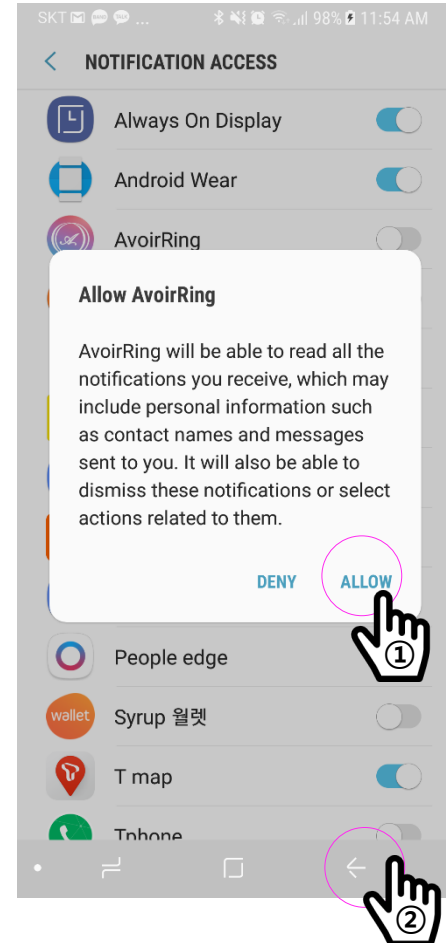
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Install apps and connect the ring | Connect the ring

②-1 Enable Avoir Ring to send notification



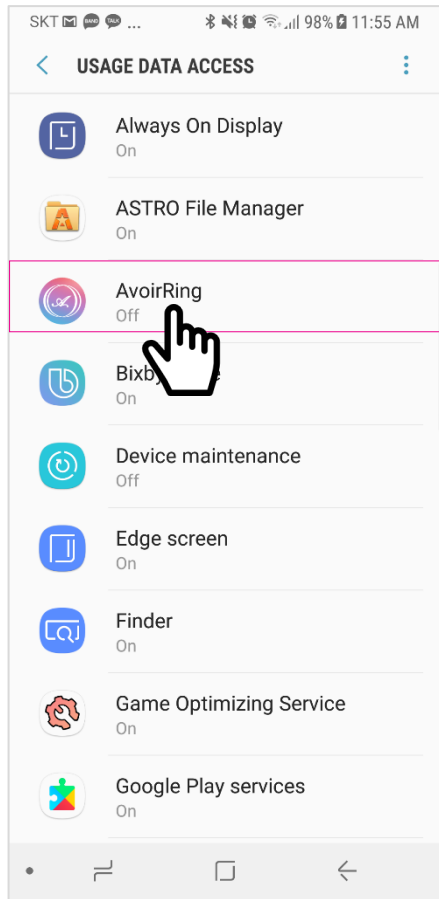
②-2 Press the allow button in the notification window, make sure it is activated, then press the Back button



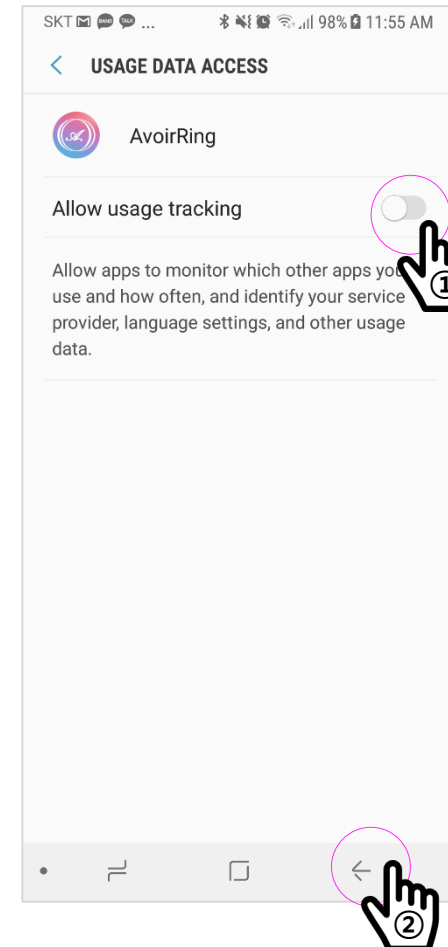
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Install apps and connect the ring | Connect the ring

③-1 Select the Avoir Ring app in the Allow Access menu



③-2 Enable usage tracking. Once activated, press Back button twice



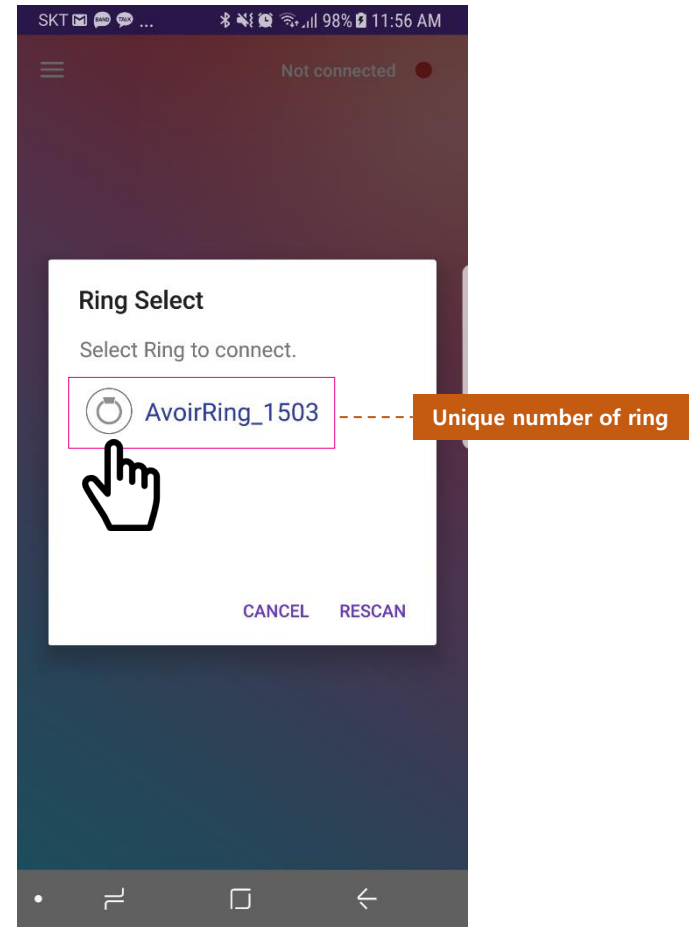
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Install apps and connect the ring | Connect the ring

- ④ After completing until number 3, the ring selection window will appear. Please select a ring to connect. (if you do not see the list of rings like the picture on the right, turn off and on the smartphone's Bluetooth feature. If the ring is still not found with this way, please see the FAQ below




- ✓ Green LED blinking before ring connection.
- ✓ If you can't see green LED, please press the ring button once.

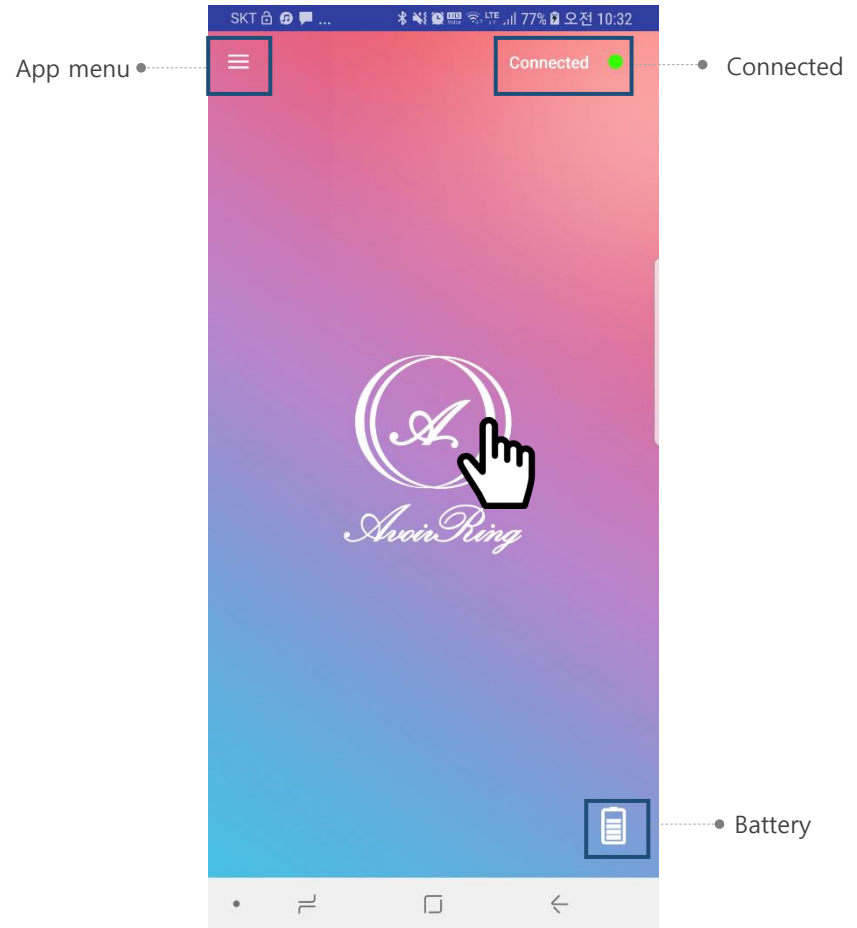


Install apps and connect the ring | Connect the ring

- ⑤ If you completed until number 4, the top right hand side indicates the connection is established and the bottom displays the battery. The top left is the app menu icon. Press the button of the ring for 5 seconds to reset and reconnect. Please refer to FAQ page if you fail to connect repeatedly



- ✓ **Connection display color change(2 styles)**
 - ① Green
 - ② Green -> Red -> Green
- ✓ **The connection indication may takes time according to the reception and status.**



How to use the ring | Basic operation

- ✓ The ring has one button, and basically operates in three ways: 'single press', 'double press', and 'long press'.
- ✓ See Table 1 for the basic functions depending on how the button is pressed.

Table 1 | Basic operation scenario by button input

Button Press Method	Time	Function
Single press	Within 1 second	Forward (execute / go forward, etc.)
Double press	Within 1 second	Stop (go backward / run camera, etc.)
Long press	1 second to 2 seconds	Recording function etc.
	More than 4 seconds	SOS, etc.

How to use the ring | LED notification

Function |

- 1) Depending on the situation, the LED will notify you with various lights, such as ring battery Charging Notice, ring reset, SOS message notification, etc.
- 2) Refer to Table 2 for LED color information according to the ring condition.

Table 2 | LED Color According to Ring Condition

Status	LED Color	Cycle	Operation Requirement
Low battery alert	Repeating red	30-second	When under 20% battery
Ring reset	Purple	Once	If it's not connected to a smartphone, press and hold the button for 4 seconds or more
Send SOS message	Red and Blue	Repeating	When connected to a smartphone, press and hold the button for 4 seconds or more * Turn off the LED: Double-click
Ring disconnected	Green	Repeating	When the ring is disconnected with smartphone



- ✓ The LED status indicator may not come out clearly when the ring's battery is low.
- ✓ The LED does not work in SOS mode if the SOS feature is turned off in the Avoir Ring app.

How to use the ring | Vibration Notification

Function |

1) Vibration alert allows you to check text messages and phone calls without missing them.

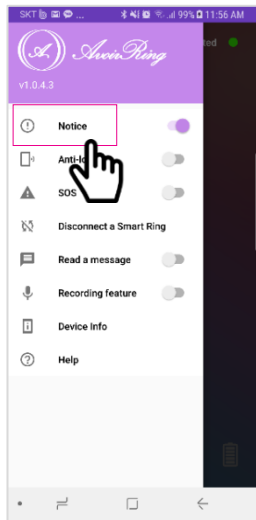
Operating condition |

- 1) If you register sender for this function. You may feel vibration for incoming call, text message and messenger such as KakaoTalk, Whatapp and Wechat.
- 2) The phone call is notified 3 times in one second cycle. Text message / Messenger is notified once

How to use |

- 1) All vibration notifications when you just set up "ON" without sender registration
- 2) Vibration notification only when you have call/text/messenger from preregistered contact person

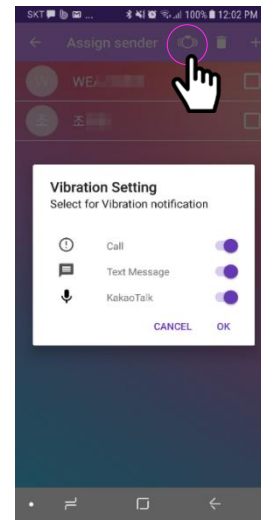
① Click the notification menu
(Notification setting ON)




② Please press + at the top and add contacts to be notified



③ Click on the vibration icon at the top to set the vibration




KakaoTalk alerts will only be activated when name of sender and contact are the same

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How to use the ring |



Smartphone Theft Prevention

Function |

- 1) If the smartphone is lost or stolen, it sends a text message to the designated contact with the GPS information of the smartphone. (Terms of use Agreement required)
- 2) If the ring does not reconnect for a period of time after the phone is disconnected, the ring vibrates and sends a message to the specified contact.



- ✓ You can set the message sending time as of 1 minute / 5 minutes / 10 minutes / 20 minutes / 30 minutes after the Avoir Ring app is disconnected. This is to prevent unnecessary loss notification messages
- ✓ When the lost mode starts, you may hear short notification sounds on the phone every minute and "Lost mode is activating" appears in top menu.
- ✓ If you set this feature, "lost smartphone message" is sent to the registered person even during normal use.

How to use |

- 1) This function can only be enabled by activating the loss prevention feature in the Avoir Ring app menu.
- 2) Enter the loss prevention feature in the Avoir Ring app menu to set the contact who will receive the GPS information.



- ✓ If you found the lost smartphone or ring, the Lost mode is automatically turned off when the ring is connected to your smartphone.
- ✓ If you inadvertently disconnect the ring and your smartphone and want to turn off the loss prevention mode, turn off the loss prevention mode in the Avoir Ring app.

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How to use the ring | Activate Voice assistantApp

Function |

- 1) You can use BixBy, Google Assistant etc. of smartphone by launching voice assistantapp on lock screen or home screen.
- 2) Please press the button on the Avoir Ring and select your desired Voice Assistant app on the screen of smart phone.

How to use |

- 1) When your smartphone's screen is turned off, or the home screen or another app is open, press the button on the ring once to launch the voice assistantapp (User selection function for single click will be supported by firmware later on)



- ✓ BixBy, Google Assistant, etc. must be configured, and you need to have an app set up as the default voice assistantapp on the Android platform.
- ✓ If your smartphone is locked, you can register your Avoir Ring as a trusted device in the SmartLock setting so that you can run the Voice Assistant app even when it is locked.
- ✓ If you want to launch the Voice Assistant app while the Music Player app is running in the background and the music is playing, pause the music player and press button once of the ring.

How to use the ring | Recording function

Function |

- 1) This function can be used with critical situations you need recording (e.g. Emergency, Meetings or Class)

How to use |

- 1) If you press and hold the ring button for 1 ~ 2 seconds in the smartphone lock screen(screen off), recording will be started automatically.
- 2) If you want to stop recording, press the Ring button twice. Then, the recorded voice will be saved automatically.
- 3) Check recorded voice files: My Files app> Internal storage> Avoir Ring folder



✓ If there is not enough memory space, recording may not be possible.

How to use the ring | Music player control

Function |

- 1) You can control the music player by pressing the button while listening to music using the Music app.



✓ Music player apps other than those listed above may not work properly.

How to use |

- 1) Default behavior

Button Press Method	Time	Function
Single press	Within 1 second	Next song
Double press	Within 1 second	Back(previous screen)
Long press	1 second to 2 seconds	Play / Pause

- 2) The above basic operation can be changed according to the status of the smartphone, but it is operated according to the principle of basic operation in most cases.



✓ When using the music player, if you want to run the speech assistant app, please launch after pausing the music.

How to use the ring | Camera control / Samsung phone only

- ✓ It's description to control Samsung smartphone camera and other Android phones will supported by public camera app in the near future.

Function |

- 1) With the smartphone screen off, press the button twice to launch the camera. While the camera is running, 'single press' takes a picture and 'long press' starts and records video right away.



- ✓ You can take pictures and record videos as above even if you launch the camera app directly from your smartphone.

How to use |

- 1) With the screen off, press the button twice to launch the camera app.
- 2) Camera operation

Function	Time	Button Press Method
Photo shoot	Within 1 second	Single press
Video recording	1 second to 2 seconds	Long press
Stop video recording (2 ways)	1 second to 2 seconds	Long press
	Within 1 second	Double press
Quit camera app	Within 1 second	Double press



- ✓ The operating distance between the smartphone and the Avoir Ring is up to **about 10m**

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How to use the ring | Receive Call

Function |

- 1) When the phone is ringing, you can press the button on the ring to answer, reject, or silence the ringing.
- 2) When the call is taken, it is a function to terminate the speakerphone and the call. Operation may be different on other Android phones other than Samsung phones.

How to use |

- 1) Button operation

Button Press Method	Time	Button Press Method	Samsung Phone	Other Phones
When it rings	Within 1 second	Single press	Receive a call	N/A
	Within 1 second	Double press	Refuse a call	Refuse a call
	1 second to 2 seconds	Long press	Ringtones Silence	N/A
While calling	Within 1 second	Single press	Operate Speakerphone	Operate Speakerphone
	Within 1 second	Double press	Hang up the phone	Hang up the phone
	1 second to 2 seconds	Long press	Screen Off / Calling screen	Home screen / Calling screen

How to use the ring | Read messages

Function |

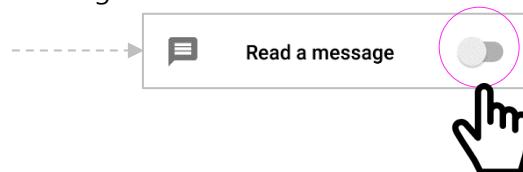
- 1) When a text / Katak message notification rings, the sender of the text / Katak message and the chat window are immediately executed and the received text message can read.
- 2) If it does not work, please activate [Read by voice] settings on your smartphone



✓ Please refer to your smartphone manual for setting method according to the smartphone model

How to use |

- 1) If you press the ring button once within about 10 seconds after the text / Katak message notification, it moves to the text / Katak dialog window and reads the message.
- 2) You must activate the read message function in the Avoir Ring app menu to read the message.
- 3) If you want to turn off message reading, please turn off message reading function in the Avoir Ring app menu.



How to use the ring | Send SOS messages

Function |

- 1) When the user is in an emergency, it sends a rescue request by sending the current position information to the designated contact. (Terms of use Agreement required)

How to use |

- 1) In the SOS item of the Avoir Ring app menu, specify the contact who will receive the SOS message. It is specified separately from the contact set in the smartphone loss prevention function.
- 2) When an emergency occurs, if you press the ring for more than 4 seconds, the smartphone transmits the current position information to the designated contact, and the LED light glows red and blue repeatedly and the siren sounds on the smartphone.
- 3) You must enable the SOS item in the Avoir Ring app menu to use the feature normally.
- 4) If you want to stop the siren sound, please double-click the button of the Avoir Ring.
- 5) If you are running certain apps such as games, you may not hear siren sound.

Appendix

Maintaining waterproof and dustproof

This ring has been tested under certain environmental conditions and meets the IP67 rating (test conditions: 15-35 ° C, 86-106 kPa, 1m, 30 minutes) as specified in the international standard IEC 60529.



- ✓ Please observe the following precautions even though the product complies with the IP67 rating, as flooding may cause product problems in some situations.

- ✓ To maintain the performance, do not immerse in water, sea water, chemical solution, etc.
- ✓ Avoid exposing the ring to high humidity or dusty environments.
- ✓ Avoid prolonged use in hot and humid environment such as steam room because it may cause some problems with the ring.
- ✓ If the product gets wet, wipe it with a soft cloth and let it dry completely. If your hands are wet, dry them completely before putting on the ring.
- ✓ Do not shower, bath or swim with the ring.
- ✓ Do not shake or drop the ring. It may cause problem with waterproof and dustproof function. Please note that if the ring touches high pressure water, unexpected flooding may occur.
- ✓ Be careful when using the product because the waterproof and dustproof function may be weakened over time.

Appendix



AVOIR RING



- ✓ We highly recommend you to wear Avoir Ring on your **Index finger** so that you feel comfortable to press the button with your thumb

AVOIR RING

FAQ

Things to check before contacting service center

Please read the user's manual before you contact us for any problems with the product. If the problem is not resolved, contact the o2ones service center.

Q

The ring is not detected or connection is not established.

A

- 1) Please check out if Bluetooth function of smartphone is turned on.
- 2) Please remove the (Avoir Ring_XXX) from the registered device item in the Bluetooth setting menu of the smartphone
- 3) When the ring is disconnected from Avoir Ring app, you should press the button on the ring more than 4 seconds to reset the ring
- 4) You should try re-connection after disconnecting by pressing 'Disconnect Ring' in app menu if the ring is disconnected from Avoir Ring app..
- 5) Select the correct ring name in the list during scanning
- 6) If you still have a problem, please contact our service center.

Q

Battery does not charge well. (Based on KC certified USB cable and adapter)

A

- 1) Check the connection between the charger and the USB cable.
- 2) Make sure that the charging terminal of the ring and the charging terminal of the charger are in contact with each other.
- 3) Remove the ring from the charger and plug it in again.
- 4) If charging does not work even by the above method, please contact our service center.

FAQ

Q

The battery level does not change in the Avoir Ring app.

A

- 1) Touch the battery icon to refresh the battery level.
- 2) Please quit the Avoir Ring app and run it again.

Q

Notifications, loss prevention, SOS and message reading functions are not executed.

A

- 1) Please make sure that the 'allow permission' setting of the smartphone app is turned on to access calls, camera, microphone, text message, storage, location and address book.
- 2) Make sure that both Allow notification access and Allow access to usage information are set to Allow.
- 3) Please check whether the above functions are activated in Avoir Ring app.
- 4) If the above function does not work, contact our service center.



Bluetooth is a registered trademark of Bluetooth SIG, Inc.

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Product Warranty

The warranty period of this product is calculated from the date of purchase.

Product warranty conforms to consumer damage compensation standard

- ❖ **Product warranty** : 1 year from date of purchase
- ❖ **Free A/S service**
 - Within one year from the date of purchase If the product is functioning normally during use
- ❖ **Based on paid A/S**
 - In the event of product malfunction due to customer's fault, malfunction due to arbitrary alteration, or careless handling of the user
 - If there is a problem with recharging using a charging cable and adapter not certified by KC
 - When a malfunction occurs due to natural disasters (fire, salt, flood, etc.)
 - If the product fails after the warranty period

Model name	SM-201
Product name	Avoir Ring-Bridge smart ring
Warrenty	1 year from date of purchase
manufacturer / manufacturing country	O2ones Co.,Ltd./ South Korea

AVOIR RING



Product A/S inquiry

For A/S inquiries, please contact the following address.

❖ **o2ones service center:** 031-716-9452

❖ **o2ones Email:** o2ones@o2ones.com



If you know the product model name and the part number on the bottom of the charger before contacting us, you can get service faster.

FCC Warning Statement

FCC Part 15.19

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.

FCC Part 15.21

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment complies with FCC Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Modifications not expressly approved by the manufacturer could void your authority to operate the equipment under FCC rules.