UniWhale Smart Baby Care

Baby Smart Care Instruction Manual

The best healthcare companion for our loved ones

Before use, please read the complete contents of this manual in detail and operate according to the instructions of the manual。

Important: UniWhale Smart Baby Care is only a home infant health care aid, not a medical device, and its purpose and related services do not have the purpose or function of diagnosis, prevention or monitoring of medical behavior. If you have any health concerns or questions, please consult a medical professional。

UniWhale® It is a registered trademark of SIRIUXENSE INC.
Designed in Taiwan, this product has been patented

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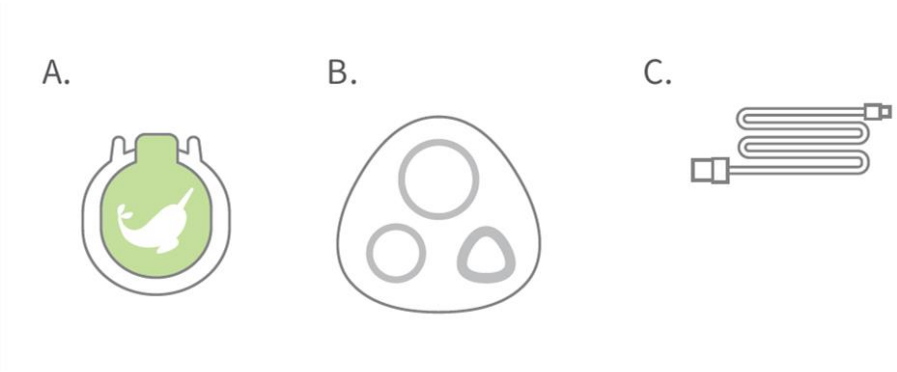
Please check the contents of the package first



A. Smart Baby Tag UW-RB-301
B. Smart Station UW-RH-301
C. USB Charging cable UW-UC-301

If the received goods are incomplete, please take photos of the products you received and email to support@uni-whale.com.

Important Read before use

1. UniWhale Smart Baby Care is not a medical device and do not have the purpose or function of diagnosis, prevention or monitoring in medical practice. If you have any health concerns or questions, please consult a medical professional.
2. 「Smart Baby Tag」needs to be used in conjunction with 「Smart Care Station」 and 「UniWhale APP」.
3. The 「Smart Care Station」 can only be used in conjunction with the 「Smart Baby Tag」.
4. This product is only suitable for healthy infants and young children aged 0~5 years old and needs to be used correctly with standard accessories for different ages.
5. This device is not intended to provide use by users (including children) with insufficient physiological, perceptual, mental capacity, experience or knowledge.
6. Before use, please confirm that the patch has sufficient power, and wear and use it correctly according to the instructions in this user manual to achieve the most accurate and safe measurement effect. as：

   i. Before the patch is clamped into the diaper, fold the diaper tip outwards so that the product can grip the diaper tightly, or use a toddler/belly circumference to attach the sensor end to your baby's belly.

   ii. Choose the right size diaper for your baby and adjust the tightness of the diaper to fit your baby's shape. If the diaper is too loose, the patch may not be able to touch the baby's skin.

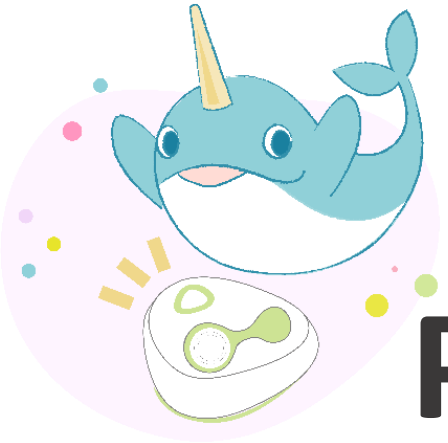
   iii. If the diaper is not easy to hold the patch stably, it is recommended to purchase additional baby strap accessories, which can assist in more properly attaching the sensor end to the baby's skin.

Important Read before use

6. This product is designed to be water-repellent and can be wiped clean with alcohol (or water, mild detergent). It is forbidden to soak in water or rinse this product directly, as liquid penetration will cause damage to the sensor in the patch.
7. This product is suitable for storage in the temperature range of -20°C ~ 60°C (-4°F ~ 140°F), and the operation should be placed in an environment below 10°C ~ 35°C (50°F ~ 95°F).
8. If the product is damaged (such as the appearance of the patch is damaged), please stop using it immediately to avoid risk during use.
9. The Smart Care Station and the Smart Baby Patch must be placed in the same open space and the distance between the two should not exceed 5 meters.
10. The USB type-C power cable must be prevented from being handled by children and should be kept at least 0.9 meters away from the crib to avoid the risk of suffocation around the neck.
11. If you notice any discomfort (e.g. redness, swelling, itchiness, etc.), remove the patch immediately and stop using it, consult a medical professional or seek medical attention immediately.
12. Do not attempt to disassemble or reassemble this product yourself.
13. Contains lithium batteries, and discarded components must be recycled or discarded after proper disposal to avoid environmental pollution.
14. To avoid the risk of accidental ingestion, remove the protective film and sticker from the patch.
15. Charge at least once every 30 days to protect the life of the lithium battery

Other precautions

- For your safety, please follow the instructions and precautions in full compliance.
- Do not dispose of the unit in fire or expose it to sunlight for long periods of time.
- Please avoid sudden changes in temperature and humidity.
- Do not use in a humid environment.
- Waste components must be recycled or discarded after proper disposal to avoid environmental pollution.
- The applicable altitude of this product is 0~1500 meters above sea level.
- If you have any questions, please contact our customer service mailbox support@uni-whale.com.

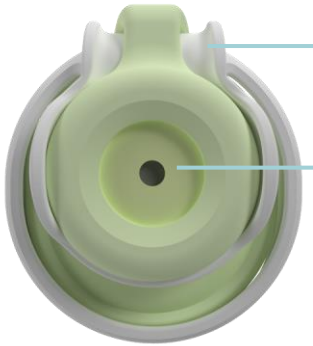


Part I: Introduction

1. Smart Baby Tag

Since the sensor probe must fit snugly against your baby's skin, it is important to keep the probe clean and clean when using it。

When the patch is charging, place the white upper cover facing up.

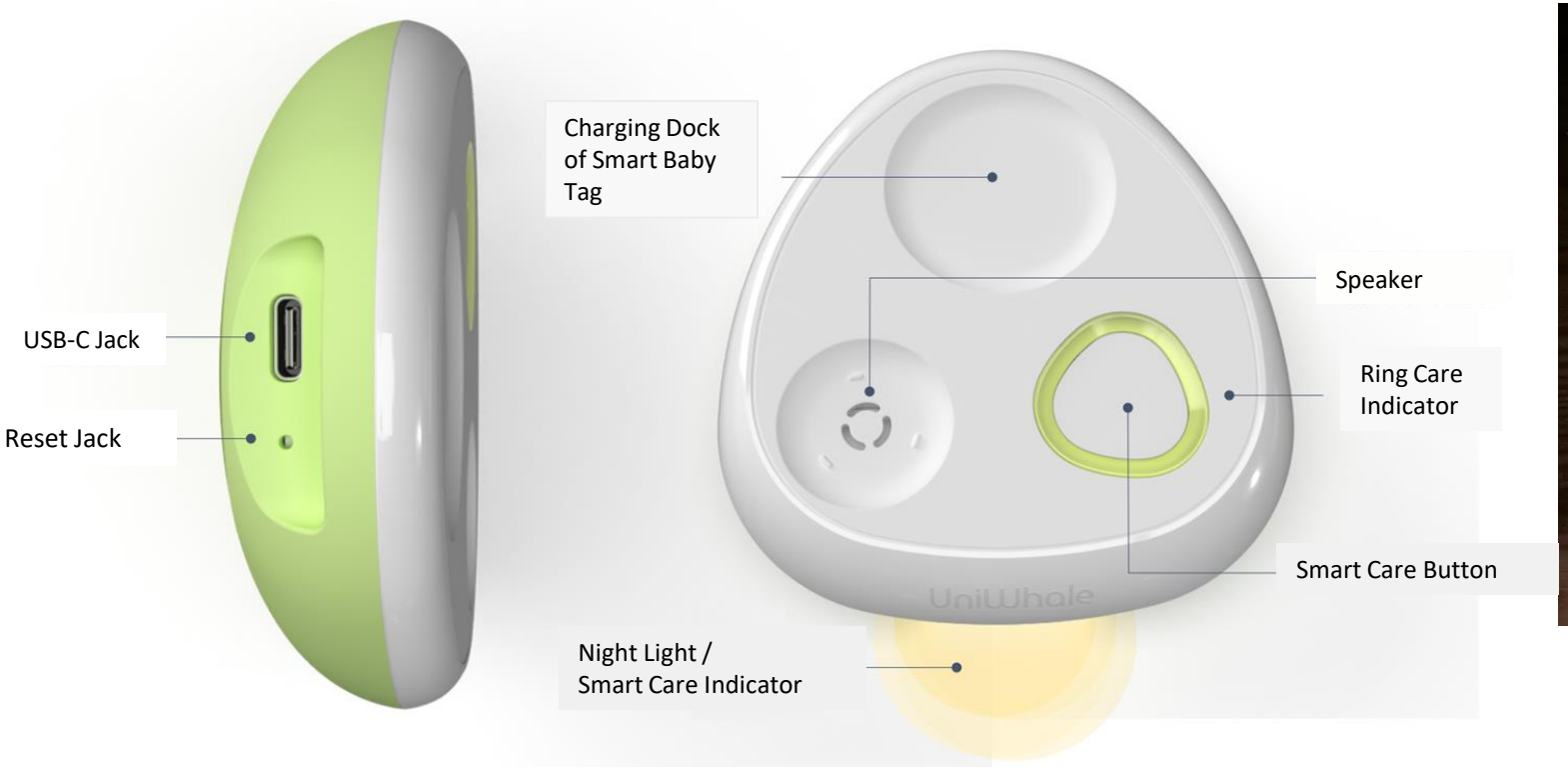


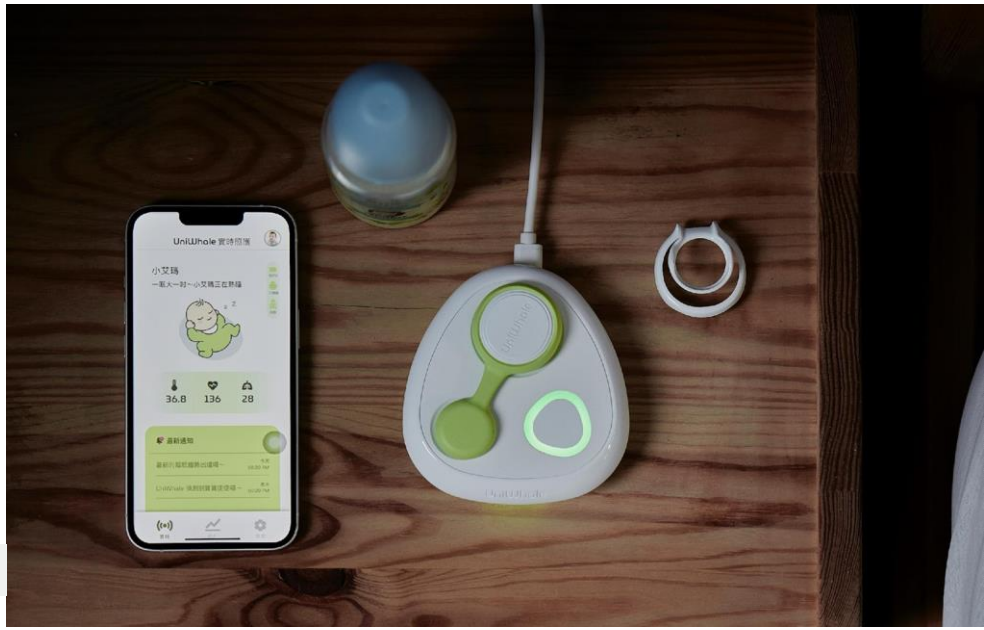
When placing the patch in the buckle, please note that the probe must be facing outward in order to place it correctly.

2. Smart Station

Left View

Top View





Specification Sheet

Name	UniWhale Smart Station	**Weight**	79g
Model Name	UW-RH-301 (Requires UniWhale Smart Baby Tag (UW-RB-301) and UniWhale App)	**Water resistance**	It is not waterproof and can be wiped with a dry cloth.
Scope of application	The storage temperature range for this product is -20°C to 60°C (-4°F to 140°F). Operations (measurement and charging) should be performed in an environment below 10°C to 35°C (50°F to 95°F). The altitude range is 0 to 1500 meters above sea level. The temperature detection range is 15°C to 45°C (59°F to 113°F)	**Hours of operation**	Under uninterrupted power, sustainable operation.
Display/ Control mode	Smart Care Indicator Ring Care Indicator Smart Care Button (Cancel Alert/Registration Settings) Reset Button	**Speaker**	Output 1.2W speaker
Communication Specifications	Supports 2.4GHz 802.11b/g/n(5GWi-Fi is not supported) and Bluetooth 5.0 The operating distance is within 5 meters from the UniWhale Smart Baby Tag (no partition wall)	**Wireless charging**	When the Smart Baby Tag is placed in a dedicated profile groove, it automatically charges wirelessly with a charging power of < 5W
Power supply	DC 5V 1A (The product does NOT come with a power supply!)	**Self-Check**	Automatically Self-Check microphone of Smart Baby Tag
The main material	Polycarbonate(compliant with RoHS/ REACH)	**Lighting indications**	Notification / Charging / Nearby Tag Detection
App Compatibility	iPhone 7 or later (iOS 8.0 or later), Android 5.0 or later.	**Warning / Soothing Tone**	play notification tone. Play built-in contextual soothing music.
Dimensions	110mm X 85mm X 27mm	**Reset**	Factory Reset

Part II: Setup

1. Charging

Connect the USB-C charging port of the Smart Care Station to the power cable. (The charging cable must be TYPE A on one end and TYPE C on the other).

Place Smart Tag as the left picture shown.

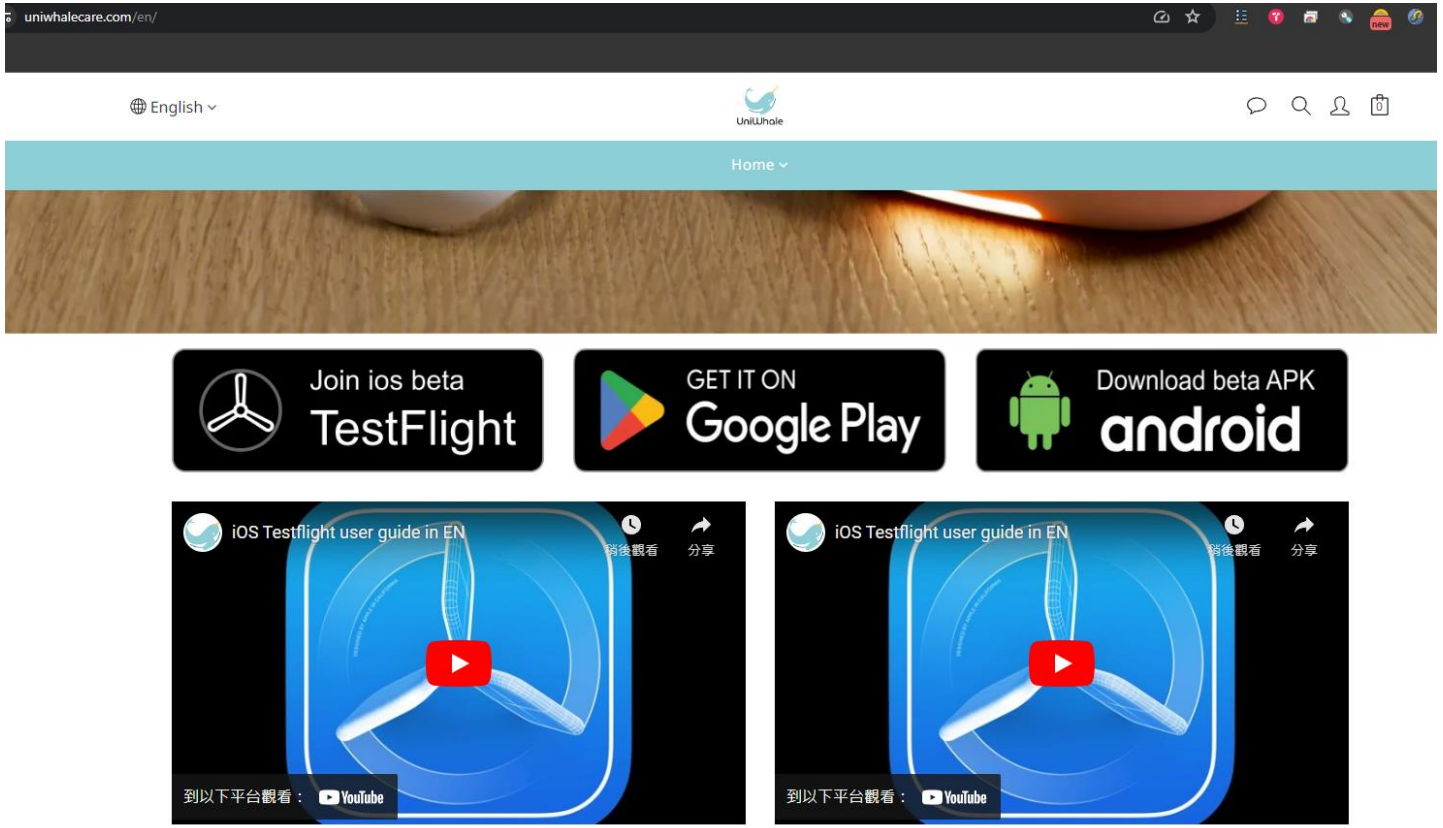
For the first time to use Smart Baby Tag, please place the patch in Smart Care Station to charge for at least 10 minutes.

When the station is connected to the power, the night light will start flashing white.

When charging, the white UniWhale is pointing upwards!

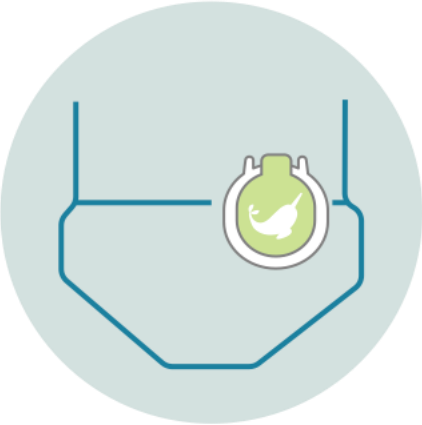
2. Download the mobile app and register an account

Please visit our web site to install APP at https://www.uniwhalecare.com/en/



3. Follow Instruction of APP to Setup

Please follow the instructions of the app when your mobile phone is connected to the Internet and turn on Bluttooth.



Part III: How to wear

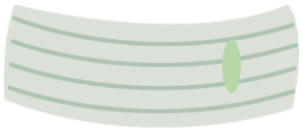
Assemble the tag and buckle.

The sensing probe should be attached to the skin of the baby's abdomen, and it is recommended that the appropriate position be on the right side of the skin below the navel to avoid touching or rubbing the navel.

Complete the fitting. Sensing probes required
Tight adhesion to the skin

For newborns who are small or less than six months old, it is recommended to use a belly circumference to strengthen immobilization.

Cotton Lycra Breathable Belly - Usage



Confirm that two elastic belly circumferences are included in the box, XS is suitable for babies aged 0-6 months, S is suitable for babies aged 6 months to 1 year, and M is suitable for babies over 1 year old

Open the elastic belly with both hands, and wear it above the baby's belly from the foot above the belly button, and align the patch circle directly above the belly button.
To avoid the navel and diapers to use.

The front and back of the belly circumference can be adjusted to fit the baby's body flat to improve wearing comfort.

Video Link

1.https://www.youtube.com/shorts/CxyRLGE6CNs

2. https://www.youtube.com/shorts/mXAJog_teeE

3. https://www.youtube.com/watch?v=8qJMCbGs5Tg

Part IV: Indicators Introduction

1. Home screen: Icon description

The tag is sleeping

The tag is offline

The tag is charging

The tag is not tightly attached

Baby is moving

on his back

on his side

on his stomach

Ring Indicator

Smart Care Station				
Connected to the Internet	1. Tag is well attached and in use： **Constant green light** 2. Incorrect attachment and in-use： **Flashing green**	1. Charging/Placing the charging cradle/Finding the nearest patch： Present the baby's basic color 2. Flashing: When charging/the patch is placed nearby Constant brightness: When fully charged	Not attached and not in use(The patch is powered, Bluetooth signal, and in power-saving mode)： interlaced yellow and green, and always on	No tags were found(run out of battery or too far) ： **Orange-red flashing**
not connected to the Internet	interlaced yellow and green, and always on			

Smart Care Indicator

Red:
heart rate index
or respiratory
rate index is out
of user-defined
range;
Choking-like
Event

Yellow:
diarrhea or
Snoring-like event or
digestion is frequent or
Abnormal temperature of abdominal warmth

This product is not a medical device, and "abnormal" means that the index exceeds the range set by the user, not the abnormal health condition of the baby

Frequently Asked Questions, Safety Precautions, Testing and Certification

frequently asked questions

Cleaning and maintenance of the unit

Tag

1. Avoid rinsing liquids, soaking them, or poking the small holes of the sensing probe with objects.
2. The device is designed to be water-repellent and can be wiped clean with alcohol (or water, neutral detergent).
3. It is recommended to use alcohol to clean and avoid residue.

Smart Care Station

It is not waterproof, so it is recommended to use a damp cloth to carefully wipe off the dust and dirt on the patch.

Safety Testing and Certification

Safety Test

IEC60601-1, 3rd ed and amendment 1)

1. LEAKAGE CURRENT TEST: (Clause 8.7)
2. DIELECTRIC VOLTAGE WITHSTAND: (Clause 8.8.3)
3. TEMPERATURE TEST: (Clause 11)

NCC

UW-RB-301 CCAF22LP1560T7

UW-RH-301 CCAF22LP1570T0

內含發射器模組 CCAP20LP1070T9

802.11b/802.11g/BT警語：
取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Safety Testing and Certification

SRRC

Safety testing and certification

FCC Warning

FCC ID: 2BGXJ-UWRB301

Federal Communication Commission Interference Statement

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

IMPORTANT NOTE:
Radiation Exposure Statement:
The product comply with the US portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety testing and certification

FCC Warning

FCC ID: 2BGXJ-UWRH301
Contains FCC ID: 2AC7Z-ESP32WROVERE
Federal Communication Commission Interference Statement

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 of the following measures:

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IMPORTANT NOTE:
Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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(2) The serial number of this product is blurred or lost.