

RA700 AI Speaker

User Guide



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Introduction

The following topics describe the basics of using this guide and your new mobile broadband device.

Before You Begin

Thank you for purchasing your new RA700 AI speaker!

The following topics explain how best to use this guide to get the most out of your mobile broadband device.

Before Using Your Device

Read [Safety and Notices](#) thoroughly for proper usage.

Accessible services may be limited by subscription contract conditions.

Package Contents

See below for details on everything you will find in the box for your RA700.

- RA700 AI speaker
- Battery Cover
- Rechargeable Battery
- Micro USB Cable
- Get Started Guide

Get Started

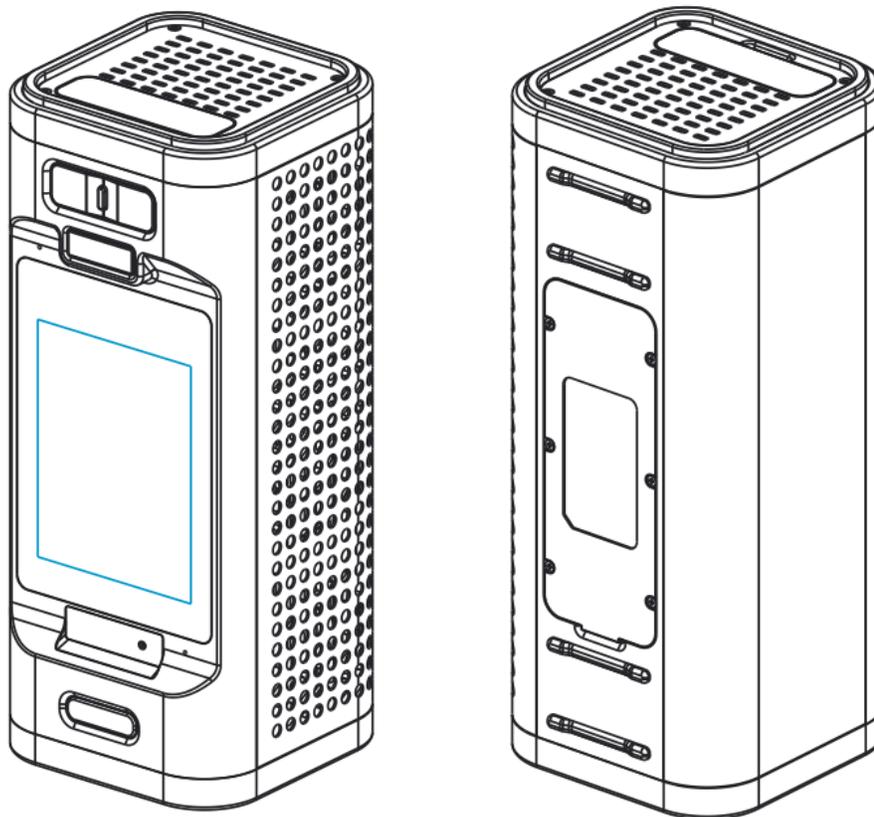
The following topics give you all the information you need to set up your device and wireless service for the first time.

Parts and Functions

Learn your device's primary parts and functions.

Device Layout

The following illustration outlines your device's primary external features and buttons.



Part	Description
Display	View device status and information
SIM card slot	Install the SIM card.
Charging micro USB port	Connect the micro USB cable for charging.
Battery cover	Remove the battery cover to remove or insert the battery or SIM card.
Power button	Press and hold to power on or off

Data Transfer Volume and Transfer Speed

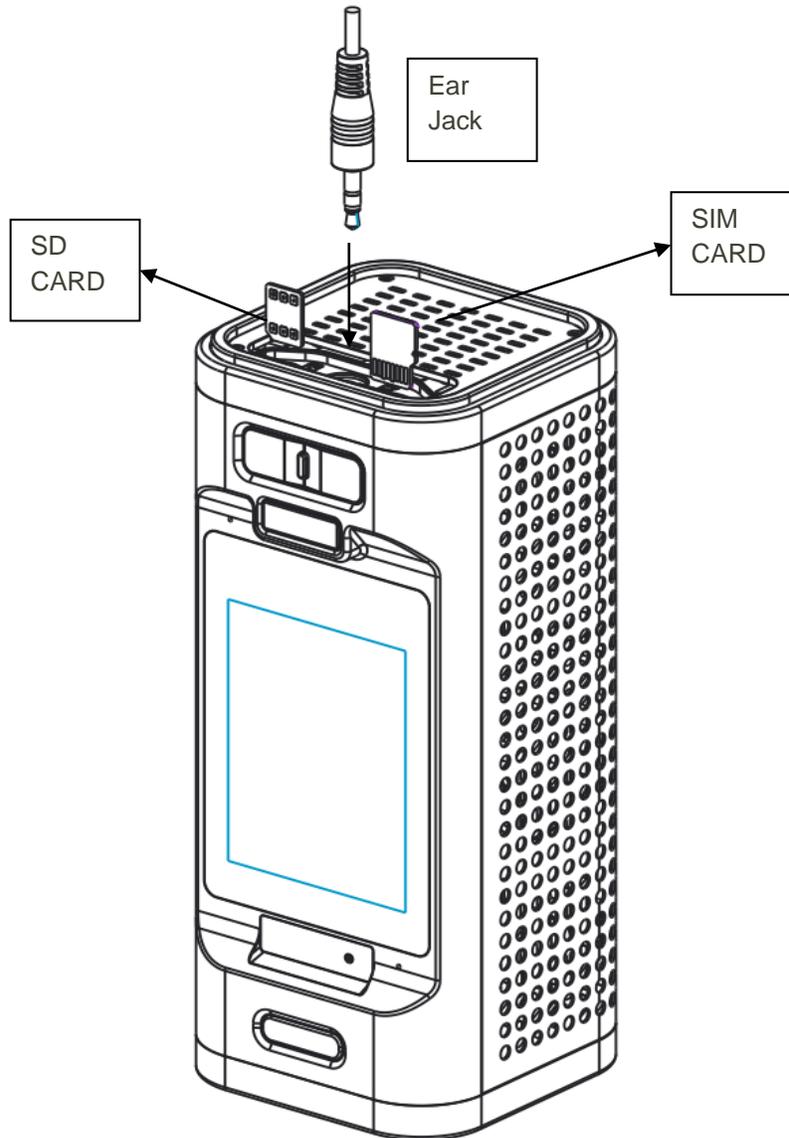
Wireless Mode	Maximum Downlink Speed	Typical Downlink Speed
4G LTE	150 Mbps	50 Mbps

Note: Actual speeds depend on several factors, including network conditions.

Insert or Remove a SIM Card, SD Card, and Ear Jack

Follow these instructions to insert or remove a SIM card and SD Card. Remember to power off your device before inserting or removing a SIM card.

1. Lift up the rubber cover in the bottom case and insert SIM Card, SD Card, and Ear Jack.
2. Place the SIM card gently with gold IC chip facing downward. Use the SIM picture engraved on device to make sure it is placed properly.



Battery Use

The following topics explain how to insert and remove your device's battery.

Battery Cautions

Storage: Avoid storing or leaving the battery with no charge remaining. Saved information and settings may become lost or changed, or battery may become unusable. Charge once every six months before storing or leaving unused for a long period.

Bulges: Depending on use, bulges may appear near end of battery life. This does not affect safety.

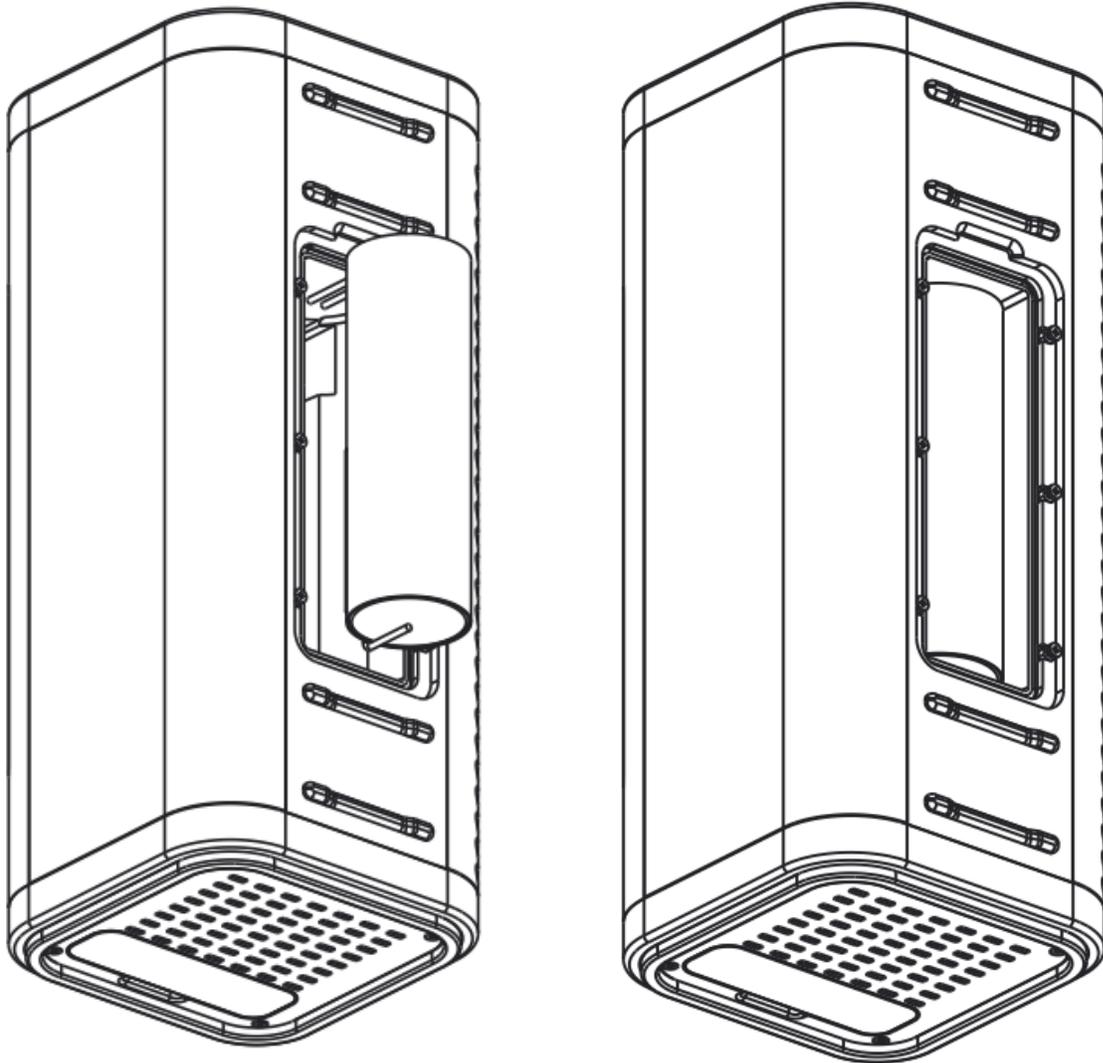
Replacing the Battery: The battery is a consumable item. It needs to be replaced if operating time shortens noticeably. [Battery purchasing and Replacement is available at service center.](#)

Cleaning: Clean soiled terminals between battery and device with a clean, dry cotton swab. Soiled terminals can result in a poor connection and prevent charging, etc.

Inserting / Removing the Battery

Follow these instructions to insert your device's battery safely and properly.

1. Press and hold the **Power** key to turn off the device before inserting or removing the battery.
2. Remove the battery cover.
3. Insert the battery
4. Put the battery cover on.



Charge the Battery

Follow these instructions to charge your device's battery using the included Micro USB cable

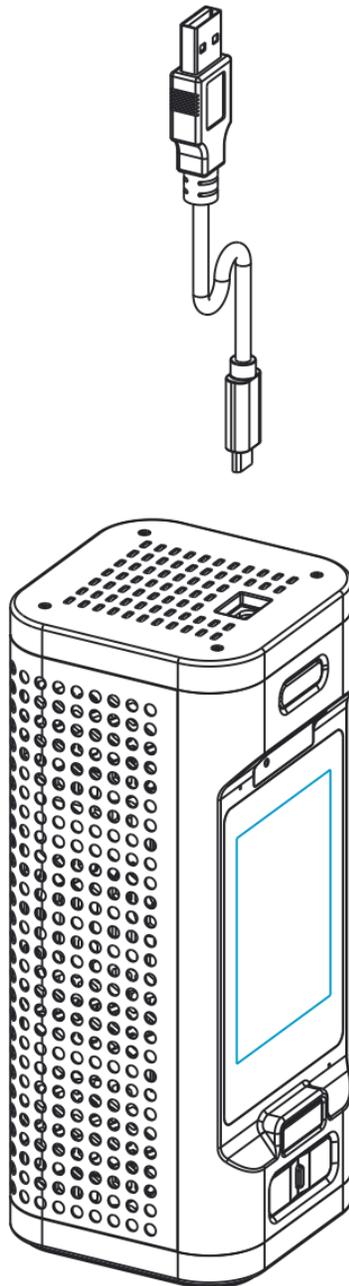
! Battery Charging Cautions

Charging Conditions: Under low temperatures charging performance decreases. Charge your device in temperatures between 0°C – 45°C. Do not charge in places where there is high humidity. USB charging may be unavailable depending on Wi-Fi router temperature.

Charge Using the Micro USB Cable

Use the supplied Micro USB Cable.
After charging, disconnect the device from the cable.

Note : Micro USB Cable is only for Battery Charging.



Mobile Broadband Device Specifications

Item	Description
Model name	RA700 AI speaker
Dimensions ¹	67mm (W) x 67mm (L) x 160(H) mm
Weight (g)	500g est.
Display	TFT 2.8 inch (320x240) with Touch screen
External Interface	MIC 2ea, Earphone jack, Micro-USB Power (Micro-USB B Type)
Operating system	Android 7.0 Nougat
WLAN Connectivity	WCN3610 b/g/n (1x1)
Charging time ²	4.5 hours
Continuous communication time ³	8.5 hours
Communication speed	LTE category 4 DL : 150Mbps UP : 50Mbps
Network Band	LTE B13

AC Charger Specifications

Item	Description
Rated input voltage	100-240Vac
Operating range	90-264Vac
Rated input frequency	50/60Hz +/- 3Hz
Nominal dc output voltage	+5.0V (±5%)
Rating load current	2.0A

Materials Specifications

Parts	Materials/Finishing
A cover	PC(Black),SF coating
B cover	PC(Black)
Battery cover	PC(Black)
Power key	PC(Milky White),Spray(Black),UV(Gloss 80%)
LCD Bracket	PC(Black)

Warranty and Service

The following topics outline your device's warranty and service information.

Warranty

Your device purchase includes Warranty.

- Confirm shop name and purchase date.
- Read contents of Warranty and keep it in a safe place.
- Check warranty period in the Warranty.

Services

Before submitting your device for repairs, contact Service Provider's Customer Service or General Information; be prepared to describe the problem in detail.

- During the warranty period, repairs will be made under the terms and conditions described in the Warranty.
- After the warranty period, repairs will be upon request; if said repairs can be made, you will be charged for them.

Customer Service

For mobile broadband device or service information, call general information. For repairs, call your Service Provider's customer assistance.

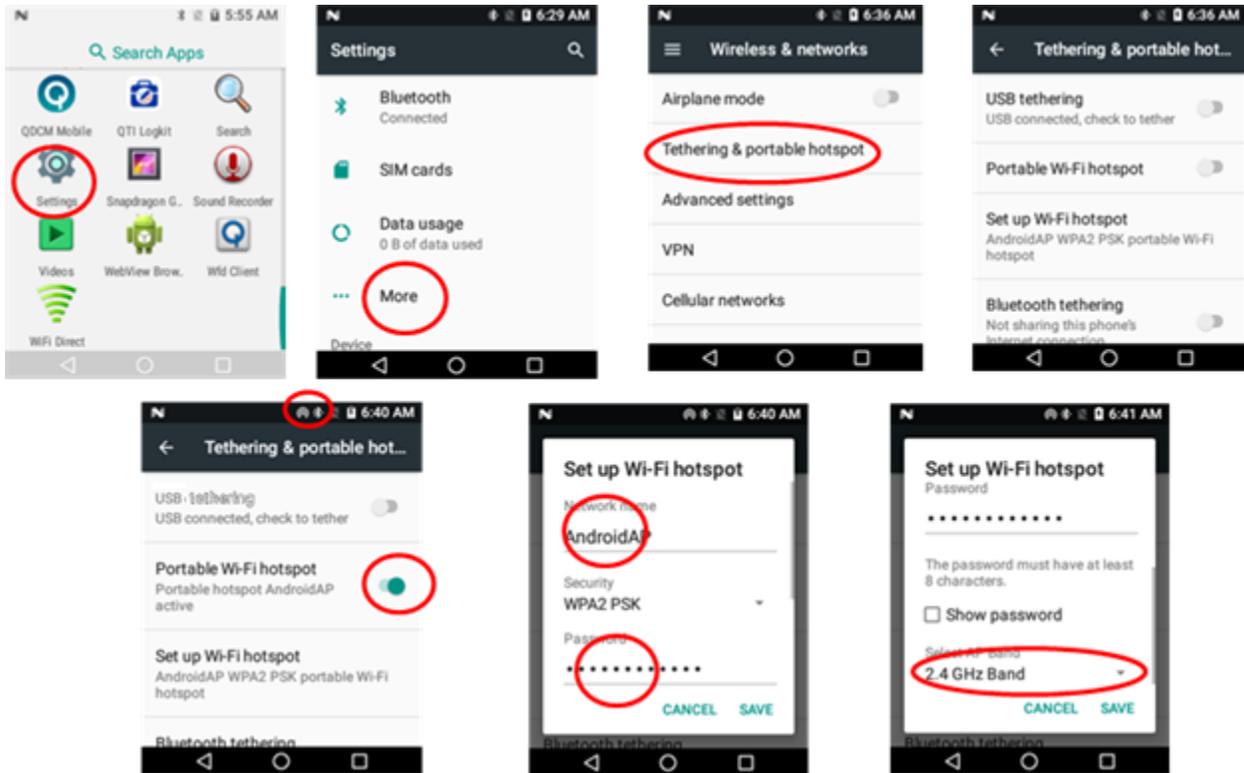
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How to Activate Portable Hotspot

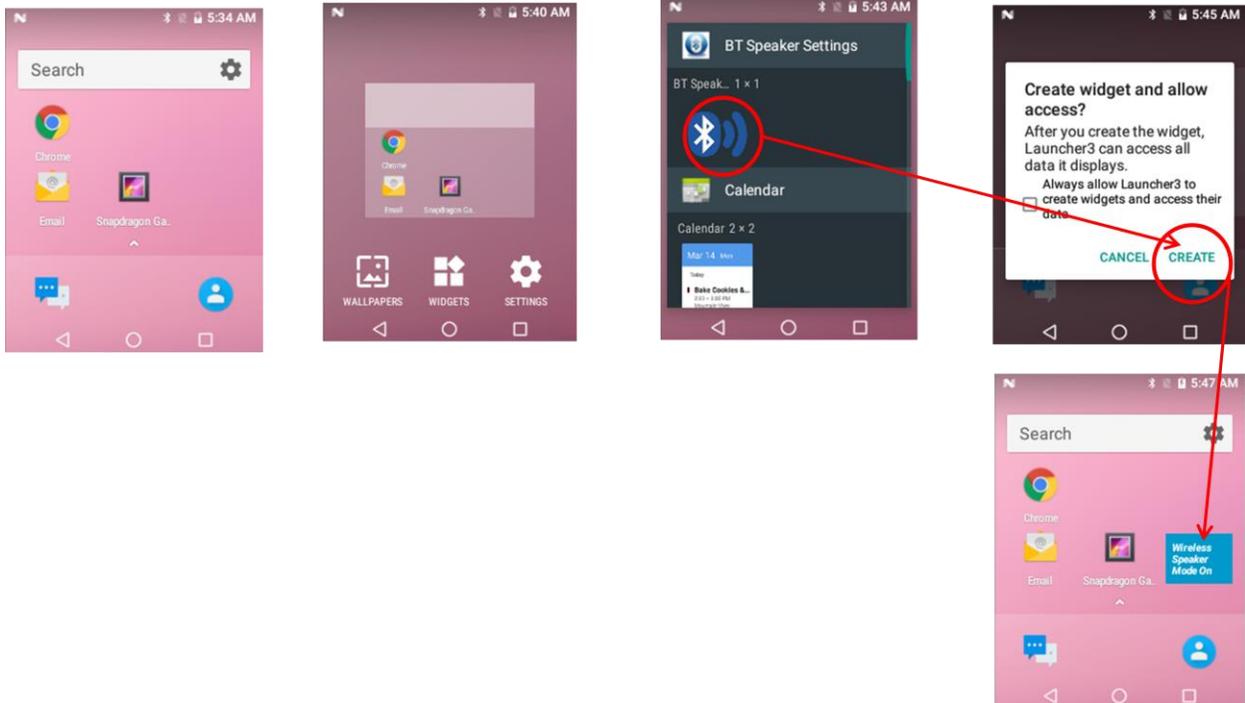
1. Go to the Tethering & Portable hotspot menu thru Settings => More => Tethering & Portable hotspot.
2. Press Portable Wi-Fi hotspot button to turn it On, then RA700 acts on as hotspot and other peer device can access the RA700 AP.
3. Can set up WI-FI hotspot thru Setup Wi-Fi hotspot option(Network name/PW/AP band) also.



Note: This product does not support the USB tethering function.

Wireless Speaker Mode Selection

1. Press and hold on the home screen, Press the widget icon.
2. Drag and drop the BT Speaker Setting Icon on the home screen.
3. User can turn it On or Off by selecting the Button after selecting create widget.



Safety and Notices

The following topics address important safety precautions, general notes, and required RF exposure information for your mobile broadband device.

Safety Precautions

The following topics outline important safety precautions that must be observed when using your device.

Important Notice

Due to the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or be totally lost. Although significant delays or losses of data are rare when wireless devices are used in a normal manner with a well-constructed network, your device should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. Franklin Wireless accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using your device, or for failure of your device to transmit or receive such data.

Safety and Hazards

Do not operate your device under the following conditions.

- In areas where blasting is in progress
- Where explosive atmospheres may be present
- Near medical equipment
- Near life support equipment, or any equipment that may be susceptible to any form of radio interference.

In such areas, your device **MUST BE POWERED OFF**. Your device can transmit signals that could interfere with this equipment.

Do not operate your device in any aircraft, whether the aircraft is on the ground or in flight. In aircraft, your device **MUST BE POWERED OFF**. When operating, your device can transmit signals that could interfere with various onboard systems.

Note: Some airlines may permit the use of cellular phones while the aircraft is on the ground. Your device may be used at this time if allowed by airlines.

The driver or operator of any vehicle should not operate the device while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In some jurisdictions, operating such communications devices while in control of a vehicle is an offense.

Proper Battery Use and Disposal

Follow these guidelines to ensure safe and responsible battery use.

- Do not open, disassemble, puncture, crush, bend, or shred.
- Do not expose to water or other liquids, fire, explosion, or other hazards.
- Use the original RA700 battery supplied with your device.
- If using with a charger, use only the AC charger supplied with your device.
- Do not short circuit the battery.
- When replacing a battery, use the same model of battery that was supplied with your device.
- Follow local regulations when disposing of a used battery.
- Avoid dropping your device or the battery. If dropped and you suspect damage, take it to a service center for inspection.
- Battery usage by children should be supervised.

Note: Improper battery use may result in a fire, explosion, or other hazard.

FCC Compliance

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.

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

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.

RF Exposure Information and Specific Absorption Rate (SAR) Information

The following topics detail the specific absorption rate (SAR) information, electromagnetic safety information, and radiofrequency (RF) exposure information for this device.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States.

During SAR testing, this device is set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that **simulate RF exposure in usage near the body with the separation of 10 mm**. Although the SAR is determined at the highest certified power level, the actual SAR level of the while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Safety and Notices 90

The exposure standard for wireless employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of <http://fcc.gov/oet/ea/fccid> after searching on **FCC ID: XHG-RA700**

More information on the device's SAR can be found from the following FCC website:
<http://fcc.gov/oet/ea/fccid>.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

SAR compliance for body operation is based on a separation distance of 10 mm between the unit and the human body. Carry this device, at least 10 mm away from your body to ensure RF exposure level compliant or lower to the reported level. To support body operation, choose the belt clips or holsters, which do not contain metallic components, to maintain a separation of 10 mm between this and your body.

Body-Worn Operation

Please note this important safety information regarding radio frequency (RF) radiation exposure and near-body operation. To ensure compliance with RF exposure guidelines, the device must be used at least 10 mm from your body. Failure to observe this warning could result in RF exposure exceeding the applicable guideline limits.