HME

ion AIO
All-In-One Headset

OPERATING INSTRUCTIONS

SETUP

Power On/Off

To turn the power on

Press and release the red power button on the headset earpiece. A voice message in the earpiece will say "Headset #, Battery Full/Half/Low" and the red power light will come on and then begin blinking green and change to steady green.

To turn the power off

Press and hold the power button for approximately 3 seconds. A voice message in the earpiece will say "Headset off," and the power light will go off.

Power light

Power button

Figure 1.   All-In-One Headset power button and light

Configure Headset

Start with power OFF and then press and hold any of the following button combinations while turning the power ON. Immediately release all buttons after pressing the power button. Each of these settings has an associated voice prompt. Listen to the voice prompt to confirm the setting.

- **Hands Free (HF) on/off –** Press and hold **B** and the UP arrow "Λ" while you press the power button to turn the headset on in the HF mode. With the power off, press and hold **B** and the DOWN arrow "V" while you press the power button to turn off the HF mode.

- **Auto HF (AHF) –** Press and hold **A1** or **A2** and the UP arrow "Λ" while you press the power button to turn the headset on in the Auto HF mode. When you turn the unit off, the AHF mode will not be saved.

- **"B" Channel HF (BHF) –** Press and hold **B** and **A2** while you press the power button to turn the headset on in the BHF mode. This will keep the **B** channel open to allow hands-free communication with other crew members. If a customer arrives, B-channel communication will automatically be interrupted to allow communication with the customer on A1 or A2.

Λ

A2

A1

B

V

Figure 2.   Headset buttons

- **Language selection –** To change between English and another language, press and hold **A1** and the DOWN arrow "V" while you press the power button to turn the headset on. Doing this again changes back to the first language.

- **Play status –** Press **A2** and the DOWN arrow "V" while you press the power button to turn the headset on. An example of the status you will hear is: "Headset #, Battery Full/Half/Low, English/Espanol, Hands-free **A** on/off (or Hands-free **B** on/off), firmware version #."
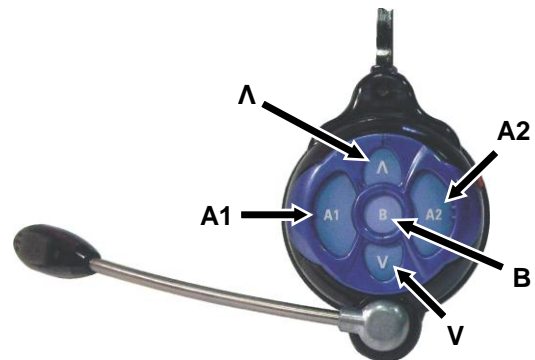
If you have any problems with your All-In-One Headset:

In the USA, call or Fax HME Customer Support at the numbers shown below.
Outside the USA, call your local HME® representative for help.

Headset Registration

Each All-In-One Headset must be registered for use with a specific base station. The base station thereby recognizes all headsets registered to it when their power is on, and will be able to tell the difference between them and other electronic equipment operating on similar frequencies. A maximum of 15 headsets can be registered. If one is replaced, you must register the new one before you use it. When a headset is replaced, the old one remains in memory. Register all active headsets the same way, one at a time.

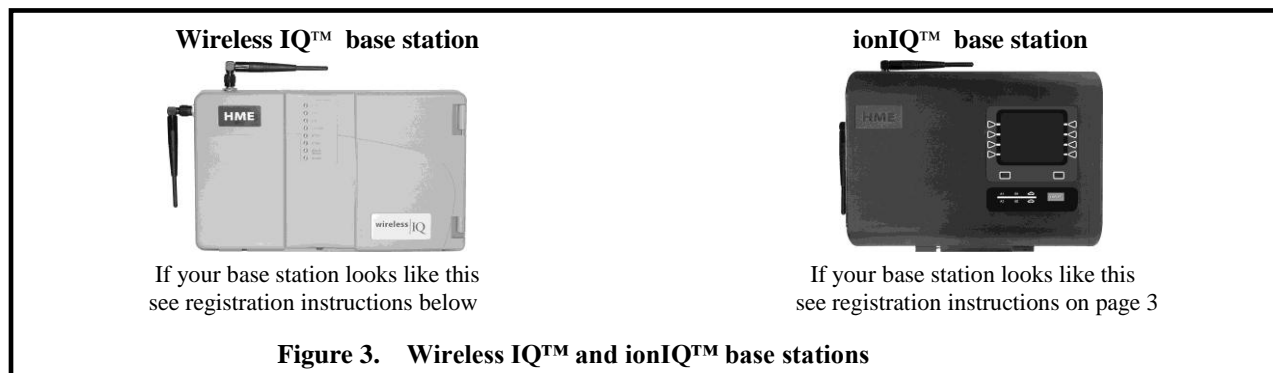**NOTE:** Headsets must be within 6 feet (1.83 meters) of the base station while being registered.

Wireless IQ™ base station

If your base station looks like this see registration instructions below

ionIQ™ base station

If your base station looks like this see registration instructions on page 3

Figure 3.   Wireless IQ™ and ionIQ™ base stations

For Wireless IQ™ Audio Systems, Register each All-In-One Headset as follows:

NOTE: If the maximum number of 15 is exceeded, an "**F**" for Full will appear on the Communicator ID display. You must clear all current registrations and re-register all active headsets. Refer to Figure 4. Open the base station and press the CLEAR ALL REGISTRATION button and the RESET button at the same time. Continue holding the CLEAR ALL REGISTRATION button after releasing the RESET button, until "c" appears on the display.

- Be certain all headsets to be registered are turned off and the base station power is on. Other headsets can be on or off.
- Open the base station and locate the items shown in Figure 4.
  — If no headsets are on, the status light will be blinking red. If any headsets are on, the status light will be on steady green.
  — Press the START REGISTRATION button. The Communicator ID display will show a small "o" for open, and the status light will be blinking green.
- **Either** press and hold the **B** button on the headset while pressing and releasing the power button to turn the headset on, and then release the **B** button, **or** press the power button and hold it for approximately 10 seconds. This will cause the headset to enter the registration mode.
  — The status light in the base station will be blinking green and the Communicator ID display will continue to show a small "o" for open.
  — The headset power light will be blinking amber.

When the registration is successfully completed:

- The green status light in the base station will be on steady and the Communicator ID display will show the ID number assigned to this headset. ID numbers are assigned sequentially as 0 thru 9, A, b, C, d and E.
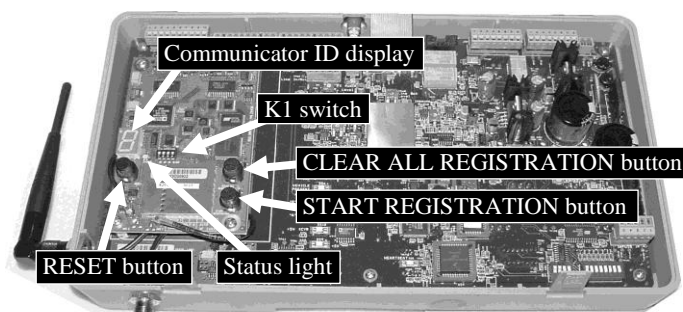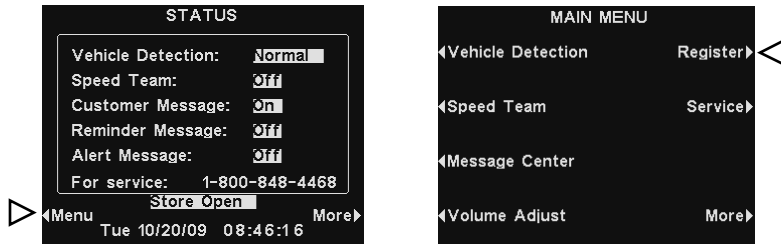- The power light on the headset will remain on steady green.

Figure 4.   Registration buttons and indicators in base station

If registration failed:

- A message in the headset will say "Headset #, Battery Low/Half/Full, Registration …" The power light will blink red and after a delay of up to 1.5 minutes you will hear "**Registration failed**."
- Note the condition of the STATUS light in the base station. Press the RESET button. The STATUS light may blink and change colors. When the STATUS light returns to its previous condition, press the START REGISTRATION button and repeat the registration procedure.
- **If the registration fails again -** In the USA call **HME Customer Support** at **1-800-848-4468**.
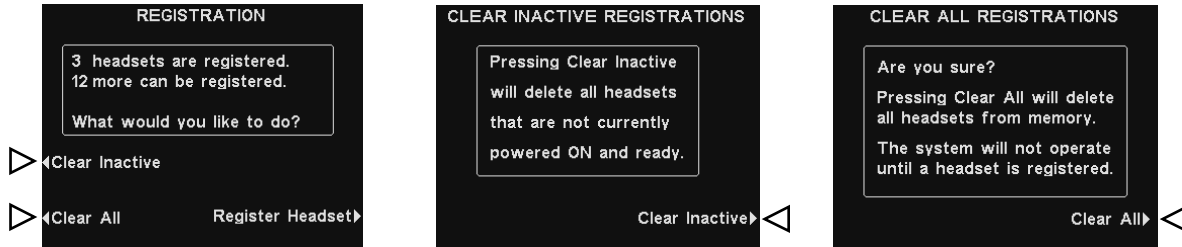 Outside the USA, call your local HME representative for help.

<u>For ion IQ™ Audio Systems, register each All-In-One Headset as follows:</u>

- On the ion IQ base station **STATUS** display, press the **Menu** button.
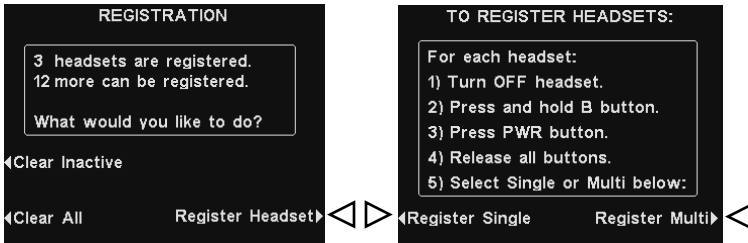- On the **MAIN MENU** display, press the **Register** button.

STATUS display:
```
                STATUS
  Vehicle Detection:    Normal
  Speed Team:           Off
  Customer Message:     On
  Reminder Message:     Off
  Alert Message:        Off
  For service:    1-800-848-4468
             Store Open
▷ ◄Menu                       More▶
          Tue 10/20/09  08:46:16
```

MAIN MENU display:
```
              MAIN MENU
  ◄Vehicle Detection      Register▶ ◄

  ◄Speed Team              Service▶

  ◄Message Center

  ◄Volume Adjust             More▶
```

- The **REGISTRATION** display indicates the number of headsets already registered and how many more can be registered.
  — If you would like to unregister some of your headsets, turn OFF all the headsets you want to unregister and turn ON all the headsets you want to remain registered, and then press the **Clear Inactive** button on the **REGISTRATION** display to unregister all the headsets that are not turned on, and press the **Clear Inactive** button on the **CLEAR INACTIVE REGISTRATIONS** display.
  — If you would like to unregister all of your headsets, press the **Clear All** button on the **REGISTRATION** display and then press the **Clear All** button on the **CLEAR ALL REGISTRATIONS** display.
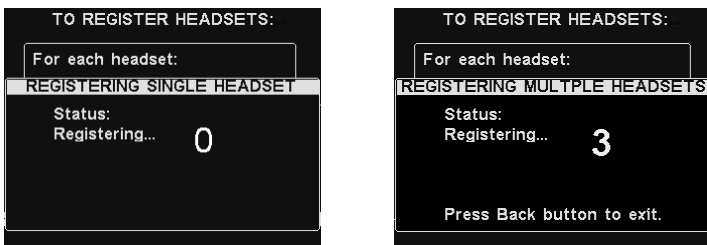
  CAUTION: **When clearing all headsets, the base station will shut down and re-start.**

REGISTRATION display:
```
              REGISTRATION
  3 headsets are registered.
  12 more can be registered.

  What would you like to do?

▷ ◄Clear Inactive

▷ ◄Clear All     Register Headset▶
```

CLEAR INACTIVE REGISTRATIONS display:
```
     CLEAR INACTIVE REGISTRATIONS
  Pressing Clear Inactive
  will delete all headsets
  that are not currently
  powered ON and ready.

              Clear Inactive▶ ◄
```

CLEAR ALL REGISTRATIONS display:
```
       CLEAR ALL REGISTRATIONS
  Are you sure?
  Pressing Clear All will delete
  all headsets from memory.
  The system will not operate
  until a headset is registered.

                   Clear All▶ ◄
```

- To register headsets, press the **Register Headset** button on the **REGISTRATION** display.
- On the **TO REGISTER HEADSETS** display, follow the instructions in the box.
- To register only one headset, press the **Register Single** button.
  To register more than one headset, press the **Register Multi** button.

REGISTRATION display:
```
              REGISTRATION
  3 headsets are registered.
  12 more can be registered.

  What would you like to do?

  ◄Clear Inactive

  ◄Clear All     Register Headset▶ ◄
```

TO REGISTER HEADSETS display:
```
      TO REGISTER HEADSETS:
  For each headset:
  1) Turn OFF headset.
  2) Press and hold B button.
  3) Press PWR button.
  4) Release all buttons.
  5) Select Single or Multi below:
▷ ◄Register Single    Register Multi▶ ◄
```

When each registration is successfully completed:

TO REGISTER HEADSETS display (Single):
```
      TO REGISTER HEADSETS:
  For each headset:
  REGISTERING SINGLE HEADSET
  Status:
  Registering...    0
```

TO REGISTER HEADSETS display (Multi):
```
      TO REGISTER HEADSETS:
  For each headset:
  REGISTERING MULTPLE HEADSETS
  Status:
  Registering...    3

  Press Back button to exit.
```

- The ID number assigned to this headset will be shown.
  ID numbers are assigned sequentially as 0 thru 9, A, b, C, d and E.
- The power light on the headset will remain on steady green.
- When you have finished registering headsets, press the **Back** button to exit the registration mode. You can repeat pressing the **Back** button until you return to the **MAIN MENU** or **STATUS** display.

OPERATION

Wearing the Headset

Adjust the Headset to Your Head Size

You can adjust the head size of the All-In-One Headset for best fit by sliding the metal headband in or out of its plastic size adjuster, as show in Figure 5.
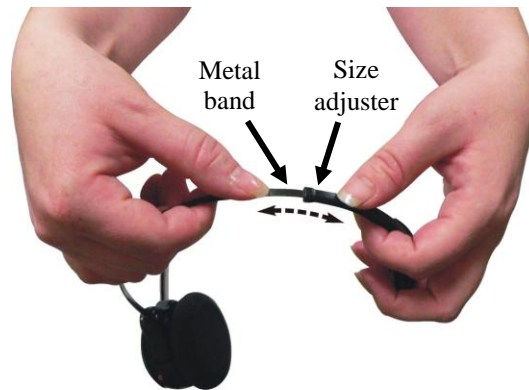

Figure 5. Headset size adjustment

Put the Headset on

- The headset can be worn with the microphone and controls on either side of your head.
- Put the headset on your head as shown in Figure 6.
- Hold the microphone boom at its base and adjust it so the microphone is near the side of your mouth.

Figure 6. Correct wearing of the headset

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Routine Operation

SINGLE-LANE OPERATION (one speaker post)	DUAL-LANE OPERATION (two speaker posts)
Hands-Free (HF) Mode:	**Hands-Free (HF) Mode:**
• Alert tone (single beep) sounds in headset, then customer at speaker post or menu board can be heard. • Adjust customer's voice level with up and down arrows on headset if necessary. • Press and release **A1** or **A2** button to speak and listen to customer. A single beep will be heard and green light on headset microphone will come on when headset begins transmitting. • Press and release **A1**, **A2** or **B** button to end communication with customer. Two beeps will be heard and light on headset microphone will go off when headset stops transmitting. • Press and release **A1** or **A2** button if you want to speak to the customer again. A single beep will be heard and green light on headset microphone will come on when headset begins transmitting. • If customer drives away from speaker post or menu board, headset automatically stops transmitting. Light on headset microphone will go off.	• Alert tone (single beep for Lane 1, double beep for Lane 2) sounds in headset, then customer at speaker post or menu board can be heard. • Adjust customer's voice level in headset if necessary. • Press and release **A1** button for Lane 1, **A2** for Lane 2, to speak and listen to customer. A single beep will be heard and light on headset microphone will come on when headset begins transmitting. (Lane 1 = green, Lane 2 = red) • Press and release **A1**, **A2** (depending on lane) or **B** button to end communication with customer. Two beeps will be heard and light on headset microphone will go off when headset stops transmitting. • Press and release **A1** button for Lane 1 or **A2** for Lane 2, to speak to the customer again. A single beep will be heard and light on headset microphone will come on when headset begins transmitting. (Lane 1 = green, Lane 2 = red) • To change lanes, press and release the opposite **A** button. A voice in the headset will say "Lane 1" or "Lane 2." • If customer drives away from speaker post or menu board, headset automatically stops transmitting. Light on headset microphone will go off.
Auto Hands-Free (AHF) Mode:	**Auto Hands-Free (AHF) Mode:**
NOTE: Only one headset can be set for Auto Hands-Free at a time.	
• Alert tone (single beep) sounds in headset, then customer at speaker post or menu board can be heard. • Adjust customer's voice level with up and down arrows on headset if necessary. • Speak and listen to customer without pressing any buttons. A single beep will be heard and green light on headset microphone will come on when headset begins transmitting. • Press and release **A1**, **A2** or **B** button to end communication with customer. Two beeps will be heard and light on headset microphone will go off when headset stops transmitting. • Press and release **A1** or **A2** button if you want to speak to the customer again. A single beep will be heard and green light on headset microphone will come on when headset begins transmitting. • If customer drives away from speaker post or menu board, headset automatically stops transmitting. Light on headset microphone will go off.	• Alert tone (single beep for Lane 1, double beep for Lane 2) sounds in headset, then customer at speaker post or menu board can be heard. • Adjust customer's voice level in headset if necessary. • Speak and listen to customer without pressing any buttons. A single beep will be heard and light on headset microphone will come on when headset begins transmitting. (Lane 1 = green, Lane 2 = red) • Press and release **A1**, **A2** (depending on lane) or **B** button to end communication with customer. Two beeps will be heard and light on headset microphone will go off when headset stops transmitting. • Press and release **A1** button for Lane 1 or **A2** for Lane 2, to speak to the customer again. A single beep will be heard and light on headset microphone will come on when headset begins transmitting. (Lane 1 = green, Lane 2 = red) • If customer drives away from speaker post or menu board, headset automatically stops transmitting. Light on headset microphone will go off.
Push-To-Talk (PTT) Mode:	**Push-To-Talk (PTT) Mode:**
• Alert tone (single beep) sounds in headset, then customer at speaker post or menu board can be heard. • Adjust customer's voice level with up and down arrows on headset if necessary. • Press and hold **A1** or **A2** button to speak to customer. A single beep will be heard when headset begins transmitting. Green light on headset microphone will be on while headset is transmitting.	• Alert tone (single beep for Lane 1, double beep for Lane 2) sounds in headset, then customer at speaker post or menu board can be heard. • Adjust customer's voice level in headset if necessary. • Press and hold **A1** button to speak to customer in Lane 1; **A2** to speak to customer in Lane 2. A single beep will be heard when headset begins transmitting. Light on headset microphone will be on while headset is transmitting. (Lane 1 = green, Lane 2 = red) • To change lanes, press and release the opposite **A** button. A voice in the headset will say "Lane 1" or "Lane 2."
"B" Channel Hands-Free (BHF) Mode:	
• Press and release **B** button to speak and listen to other crew members. A single beep will be heard and light on headset microphone will come on (alternating red/green) when headset is transmitting. • Press and release **B** button to end communication with crew members. Two beeps will be heard and light on headset microphone will go off when headset stops transmitting. • Press and release **B** button if you want to speak to crew members again.	

NOTE: Pressing A1, A2 or B and talking when someone else is talking will not stop them from being heard, but you and the other person will be heard at the same time.

Changing Batteries

When a battery is becoming weak, a voice
in the headset will say "Change battery."
When this happens, remove the battery from
the headset by pressing the blue battery-release
latch and carefully sliding the battery out of the
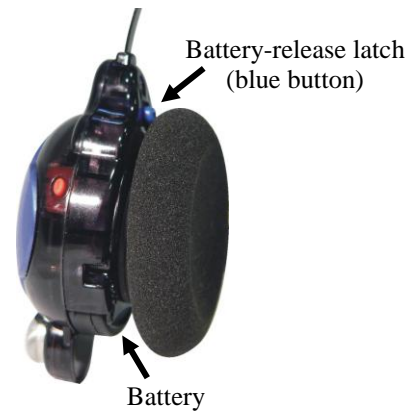earpiece, as shown in Figure 7.

Battery-release latch
(blue button)

Battery

Figure 7.   Battery release

Recharging Batteries

Place a battery in one of the four charging ports on the AC50 battery charger, as shown in Figure 8.
The battery status lights indicate the charging status, as shown on the battery status guide at the bottom
of the AC50 front panel. When a battery charging port is empty, its status light will be yellow. When you
place a battery in a port for charging, its status light will turn red. When a battery is fully charged, its
status light will turn green. Install fully charged batteries in headsets or store them in the storage ports
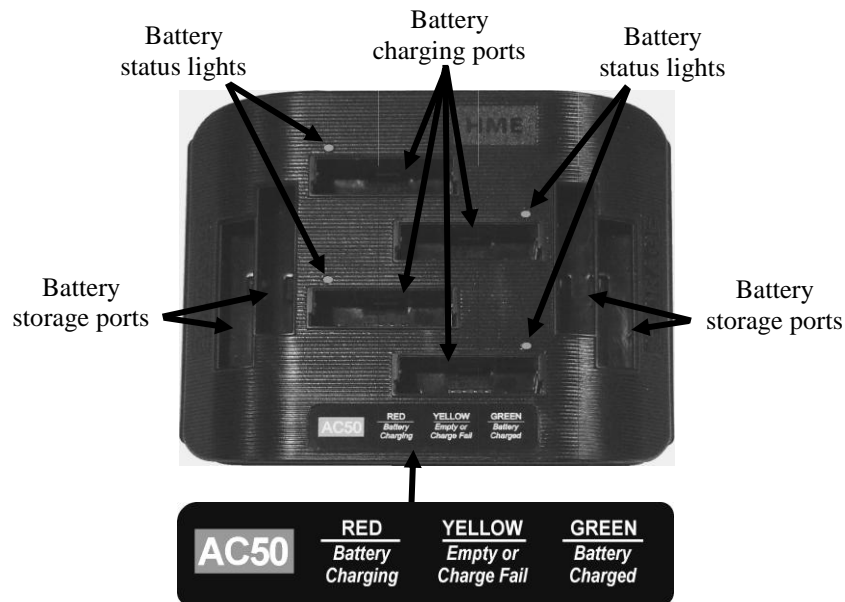until they are needed. Battery charging time is approximately 2.5 hours.

Battery
status lights

Battery
charging ports

Battery
status lights

Battery
storage ports

Battery
storage ports

AC50	RED Battery Charging	YELLOW Empty or Charge Fail	GREEN Battery Charged

Figure 8.   AC50 battery charger

IMPORTANT NOTICES

FCC Regulations

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.

This equipment has been tested and found to comply with the limits for 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 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.

Any changes or modifications not expressly approved by HM Electronics, Inc. could void the user's authority to operate the equipment. To comply with FCC radiation exposure requirements, use of this device is limited to configurations tested and approved by HM Electronics. Other accessories used with this device must not contain any metallic components.

This headset is a radio transmitter and receiver. When it is on, it receives and sends out RF energy. In August 1996, the U.S. Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices. These guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies in the following reports:

- ANSI C95.1 (American National Standards Institute, 1999)
- NCRP Report 86 (National Council on Radiation Protection and Measurements, 1986)
- ICNIRP (International Commission on Non-Ionizing Radiation Protection, 1996)

This headset complies with the standards set by these reports and the FCC guidelines.

Industry Canada (IC)

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met. 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.

Hereby, HM Electronics, Inc. declares that the HS6100 is in compliance with the essential requirements and other relevant provisions of R&TTE Directive 1999/5/EC.

This product operates in the 2400 to 2483.5 MHz frequency range.

Waste Electrical and Electronic Equipment (WEEE)

The European Union (EU) WEEE Directive (2002/96/EC) places an obligation on producers (manufacturers, distributors and/or retailers) to take-back electronic products at the end of their useful life. The WEEE Directive covers most HME products being sold into the EU as of August 13, 2005. Manufacturers, distributors and retailers are obliged to finance the costs of recovery from municipal collection points, reuse, and recycling of specified percentages per the WEEE requirements.

Instructions for Disposal of WEEE by Users in the European Union

The symbol shown below is on the product or on its packaging which indicates that this product was put on the market after August 13, 2005 and must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of the user's waste equipment by handing it over to a designated collection point for the recycling of WEEE. The separate collection and recycling of waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local authority, your household waste disposal service or the seller from whom you purchased the product.

China

HS6100 Regulatory ID number — CMIIT ID: 2011DJ5369

Indonesia

HS6100 Regulatory ID number — 21897/SDPPI/2011
3710

Korea

해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없음
이 기기는 업무용(A급)으로 전자파적합기기로서 판매자 또는 사용자는 이 점을
주의하시기바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

Taiwan

注意!

依據低功率電波輻射性電機管理辦法第十二條經型式認證合格之低功率射頻電機，非經許可，
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。

第十四條低功率射頻電機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。前項合法通信，指依電信規定作業之無線電信。
低功率射頻電機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。

UAE

BASE6100	HS6100
TRA REGISTERED NO. ER0078376/11 DEALER NO. 1020640	TRA REGISTERED NO. ER0078377/11 DEALER NO. 1020640

Ukraine

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