





# iW1 User Manual

AirPlay wireless speaker system with rechargeable battery



## www.ihomeintl.com

## Welcome to the iHome iW1

Thank you for choosing iHome. The Air Series represents the new frontier of product offerings from iHome that embrace Wi-Fi connectivity and AirPlay, Apple's new wireless streaming technology.

The iHome iW1 with AirPlay offers the latest experience in home audio entertainment allowing users to stream digital audio over Wi-Fi from iTunes, iPad, iPhone and iPod touch. Featuring Bongiovi Acoustics DPS technology and a built-in rechargeable lithium-ion battery, the iW1 enables fidelity audio that is truly wireless.

You can use the iW1 to:

- Stream music directly from iTunes on your Mac or PC using your home Wi-Fi network
- Stream your favorite music from your iPad, iPhone, or iPod touch from your iPod library or popular music apps like PANDORA® and iHeartRadio®, available on the App Store
- Dock, charge, and play audio with your iPhone and iPod with included USB sync cable
- Enjoy true wireless audio anywhere around the house with the iW1's rechargeable battery, convenient charging base and carrying handle
- Add Multiple iW1 speakers to enjoy multi-room audio anywhere in the home (*note:* streaming to multiple speakers simultaneously requires iTunes as the source)
- Download and enjoy iHome apps available on the App Store:
  - iHome+Sleep, a free music alarm clock app
  - iHome+Radio, a internet radio music app
  - iHome Connect, a network setup app for iHome AirPlay enabled products

Keep reading to discover everything you need to know to get the most from your iHome iW1.





## iW1 Overview

## Contents



## Compatibility



#### USB connector works with:

iPod touch (1st, 2nd, 3rd, and 4th generation), iPod nano (2nd, 3rd, 4th, 5th, and 6th generation), iPhone 4, iPhone 3GS, and iPhone 3G.



#### AirPlay works with:

iTunes, iPod touch (2nd, 3rd, and 4th generation), iPhone 4, iPhone 3GS, iPad 2, and iPad.

For AirPlay, the iW1 must be connected to Wi-Fi with networked access to a Mac or PC running iTunes 10.1 or later; or an iPad, iPhone, or iPod touch running iOS 4.2 or later.



#### iHome Apps:

iHome+Sleep and iHome+Radio, and iHome Connect apps only work with iPad, iPhone, iPod touch and requires iOS 4.0 or later

### Maintenance

Place the unit on a level surface away from sources of direct sunlight or excessive hear.

Protect your furniture when placing your unit on a natural wood and lacquered finish. A cloth or other protective material should be placed between it and the furniture.

Clean your unit with a soft cloth moistened only with mild soap and watre. Stronger cleaning agents, such as Benzene thinner or similar materials can damage the surface of the unit.



This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE).

This means that this product must be handled pursuant to European Directive 2002/96/EC in order to be recycled or dismantled to minimize its impact on the environment.



For further information, please contact your local or regional authorities.

Electronic products not included in the selective sorting process are potentially dangerous for the environment and human health due to the presence of hazardous substances.

## iW1 Controls



## **Quick Start**



Verify that your iW1 speaker is successfully connected to your Wi-Fi network.

(visit page 8 for connecting your iW1 speaker to your Wi-Fi network)



Connected

Not Connected

Select the iHome iW1 as your AirPlay audio speaker



iHome

Press 🛤 🖿 buttons on the iW1 or

use your iTunes, iPad, iPhone, or iPod

Adjust volume on the iW1 or wirelessly

control volume on your AirPlay source

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touch controls directly.

device.

B Launch iTur iPad touch.





AirPlay only works with iPod touch, iPhone, iPad, or iTunes (Mac or PC)

*Note:* for AirPlay streaming:

iPad, iPhone, and iPod touch support point-to-point audio streaming to one AirPlay enabled speaker.

iTunes supports point-to-multipoint audio streaming to up to three AirPlay enabled speakers (performance depends on your Wi-Fi network and environment).



## **Getting Started**

### **Master Power Switch**

The iW1 has a master power switch that is used to power the unit ON or OFF, help conserve battery life, and reset the iW1 speaker. In order for the iW1 speaker to power ON, the battery must be charged or unit must be connected to a AC outlet.

Master Power ON - Slide the **Master Power Switch** to the ON position (on rear panel) to activate your iW1 speaker. Master Power OFF - Slide the **Master Power Switch** to the OFF position to power the iW1 speaker OFF.

*Note:* If the iW1 is in the Master Power OFF state the iW1 will only allow charging of the iW1's internal battery and will not support iPod/iPhone charging, remote control commands, AirPlay, network setup, nor Firmware Updates.

### Powering your iW1 speaker ON

To power the iW1 speaker ON:

1. Plug AC adaptor into Charging Base, and plug into a live AC wall outlet.

2. Place the iW1 Speaker on top of the Charging Base.

3. Slide the Master Power Switch to the ON position (on rear panel).

Note: Allow 30 seconds for the speaker to startup before interacting with the iW1 speaker.

4. Press the **b Power** button to switch between power ON and Standby mode.

The iW1 speaker will power ON to the last state.



### **Rechargeable Battery**

The iW1 speaker has an internal rechargeable battery and supports audio playback any where in the home when the battery is charged or docked on it's charging base with an AC adaptor.

To Charge the Battery:

Plug AC adaptor into Charging Base, and plug into a live AC wall outlet.
 Dock iW1 Speaker on top of Charging Base.

*Note:* Allow up to 10 hours to fully charge the iW1's battery.

To view the Battery level status:

Press the **Battery Preview** button to view the charge status of the iW1's internal battery on the top volume control panel.





Status LED

Battery Level Preview

• OFF when battery is fully charged

Red, solid when battery is charging
 Red, blinking when battery needs charging



## **Using your iW1**

## Capacitance top panel controls

The iW1 speaker has a backlit capacitance touch panel control interface for power, mode, volume, and music controls. Controls will be lit according to the status of the iW1 speaker and the selected mode.

Note: Moisture and wet hands will cause issues with the ability of the iW1 to detect user interactions. Music transport controls will flash once to signal a proper press.



### Standby mode

Standby Mode (master power switch is ON):



Press the **b** Power button to place the iW1 speaker in standby mode and stop audio playback. The **b** Power button will pulse on/off to indicate the unit is in standby mode.

### **Power ON modes**

iPod Mode (iPod/iPhone detected via USB dock connector):

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Note: The 🗢 AirPlay Wireless button will continuously flash on/off to indicate that the iW1 is not linked to a network when ON and in AirPlay Wireless mode.

## Volume

Press a specific volume level or slide your finger to the preferred volume level when changing the IW1 speaker's volume on the unit.

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	vol. =	। 0%	)							ا 50%	6					1	। 00%			

## **Wi-Fi Network Setup for AirPlay**

## **Check list**

Please verify the following steps before attempting to connect your IW1 speaker to a Wi-Fi network:

- To enjoy AirPlay wireless audio, you must have the following:
  - iTunes or an iOS device (iPod touch, iPhone, or iPad).
  - A functioning home network with Wi-Fi.
- 🗹 Download the latest software updates for iTunes and your iOS device to ensure that you are able to enjoy the latest AirPlay enhancements and compatibility.
- Download the **Home Connect** app for iPod touch, iPhone and iPad.
- Have your Wi-Fi network name (SSID) and password (if applicable) available for reference.

Note: AirPlay requires iTunes 10.1 (Mac and PC) or later; OR an iPad, iPad 2, iPhone 4, iPhone 3GS, iPod touch (4th, 3rd, and 2nd generations) with iOS 4.2 or later. The iHome Connect app requires iOS 4.0 or later.

## Option A - Connecting with your iPod touch, iPhone, or iPad (Recommended)

If you have an iPod touch, iPhone, or iPad with iOS 4.0 or later, we recommend that you use our free iHome Connect app for the quickest network setup experience. To connect your iW1 speaker to a Wi-Fi network using an iOS iHome device, follow these steps: = o 🚥 1. Dock your iOS device to the iW1 using the included iPod USB o\_o ∛ sync cable. 2. Download our free 📄 iHome Connect app from the 📴 App Store and launch the app. 10:09 PM 10:09 PM 3 C Settings Wi-Fi Networks Choose a Network for iW1... 3. Select your preferred Wi-Fi network from the list of available Home. networks and enter password if prompted. **? ()** Vour Wi-Fi Network Other Wi-Fi Network **R** × Wi-Fi Not Connected Note: Connecting to a network may take up to 60 seconds. If **?** Other Wi-Fi Network iHome iW1 2E33 > Name network connection is unsuccessful reset the unit or disconnect Other Wi-Fi Network **? ()** Model: iHome iW1 · Firmware: 31.1.0 your iOS device and reconnect and repeat the above steps. **?** Other Wi-Fi Network How to use AirPlay > Mi Ei note 4. Rename your iW1 speaker and press 'Save' (optional). () 30s Success! 4 Congratulations, you have successfully connected your iW1 to your CC J Name Save Cancel wireless network and now you can start enjoying wireless audio F) iHome anywhere in your home or office. Verify that the Network Status LED is green and then keep reading to learn how to use iW1 and Livingroom Speaker ۲ 🔵 Wi-Fi Your Wi-Fi Network > stream your iTunes and iOS audio content using AirPlay. me will be displayed when selecting yo iHome iW1 2E33 > Name Model: iHome iW1 · Firmware: 31.1.0 QWERTYUIOP How to use AirPlay > ASDFGHJKL 0 **F** iHome E. iHome

#### **Problem?**

- Slide the rear Power Switch to the OFF and then ON position Reconnect AC jack, place iW1 on charging base and wait 30 seconds

touch, iPhone or iPad) must be connected to the same Wi-Fi network that the iW1 speaker is connected to. English

Note: To begin using AirPlay wireless streaming, your AirPlay source devices (Mac or PC with your iTunes library as well as your iPod

Not Connected

Connected

## Wi-Fi Network Setup continued...

## Option B - Connecting with your Mac or PC over Wi-Fi

To connect your iW1 speaker to a Wi-Fi network using a Mac or PC, follow these steps:

- 1. iW1 Hardware Reset:
  - Unplug the AC jack/remove the iW1 from the charging base.
  - Slide the rear Power Switch to the OFF and then ON position.
  - Reconnect AC jack, place iW1 on charging base, and wait 30 sec.
- 2. Press and hold (5 sec.) 🕄 Network Setup button on the back of unit.

*Note:* The Network Status LED will begin flashing green and the top control panel will also flash.

3. On your Mac or PC, select the network called "iHome Setup XXXX" from Wi-Fi network settings.

*Note:* This process can take up to 2 minutes. Be patient and refresh your network list if necessary.

4. Launch a web browser (ex. Safari, Chrome, or Firefox) and enter http://169.254.1.1 in the address bar.

*Note:* If the page is not initially available or becomes unresponsive, reload the page. See "troubleshooting" if problem persists.

- 5. Rename the iW1 speaker and click 'Save'. (optional)
- 6. Select preferred Wi-Fi network from the list of available and click 'Join Network'.

*Note:* Connecting to a network may take up to 120 seconds. If network connection is unsuccessful reset the unit or disconnect your iOS device and reconnect and repeat the above steps.

### Success!

Congratulations, you have successfully connected your iW1 to your wireless network and now you can start enjoying wireless audio anywhere in your home or office. Verify that the Network Status LED is green and then keep reading to learn how to use iW1 and stream your iTunes and iOS audio content using AirPlay.



*Note:* To begin using AirPlay wireless streaming, your AirPlay source devices (Mac or PC with your iTunes library as well as your iPod touch, iPhone or iPad) must be connected to the same Wi-Fi network that the iW1 speaker is connected to.



#### **Problem?**

Reset the iW1 Speaker:

Unplug the AC jack/remove the iW1 from the charging base
 Slide the rear Power Switch to the OFF and then ON position
 Reconnect AC jack, place iW1 on charging base and wait 30 seconds

- Repeat iW1 Wi-Fi Network Setup process if necessary - See *Troubleshooting* on page 12-13 for other tips.

## **Music Connectivity**

## Connecting to the iW1 speaker

You can connect to your iHome iW1 speaker three different ways:

- 1. Using AirPlay<sup>®</sup> to stream wirelessly from iTunes or your iPad, iPhone, and iPod touch.
- 2. Using the USB iPod docking port on the rear panel with a iPod USB sync cable for audio and charging your iPod or iPhone.
- 3. Using an auxiliary audio device (mp3 or CD player) connected to the aux-in port on the rear panel.

## AirPlay & iPod touch, iPhone, or iPad

#### Using an iOS device:

- 1. Connect your iOS device to the same Wi-Fi network as iW1. Go to Settings --> Settings -->
- 2. Tap on 🐻 iPod/Music app, look for the 🗔 AirPlay button next to the iPod music transport controls.
- 3. Tap on the 🔊 AirPlay icon and choose iW1 from the list of speakers. If the iW1 speaker is not available, restart your iOS device and verify that the iW1 is powered on and connected to the same Wi-Fi network.
- 4. Press play.

## AirPlay & iTunes

#### Using a Mac or PC with iTunes:

- 1. Connect your Mac or PC to the same Wi-Fi network as iW1.
- 2. Open 🕢 iTunes on your computer.
- 3. Within iTunes open "Preferences", Select the "Devices" tab, and **√** activate the following option: "Allow iTunes control from remote speakers"
- 4. Click OK, close iTunes preferences.
- 5. Look for the 🔽 AirPlay icon in the bottom right corner of the iTunes window.
- 6. Click the 🔽 AirPlay icon and choose iW1 from the list of speakers. Click "Multiple Speakers..." to select additional AirPlay speakers. If the iW1 speaker is not available, restart iTunes and verify that the iW1 is powered on and connected to the same Wi-Fi network..
- 7. Press play.

### AirPlay Wireless Audio Mode

#### Enjoy AirPlay audio anywhere:

- 1. Press  $m{O}$  to exit standby mode and power the iW1 ON.
- 2. Press 🗢 for wireless audio mode and listen to AirPlay music.
- 3. Use 🖼 🖬 🛏 buttons on the iW1 or iW1 remote to control streaming AirPlay content.

### Local iPod Audio Mode

#### Dock, Charge, & Play using iPod USB sync cable or dock:

- 1. Connect USB sync cable to iW1's USB port.
- 2. Press 🖥 Local Playback mode button and enjoy iPod and iPhone charging and audio playback.
- 3. Using 🖼 🖬 🛏 buttons on the iW1 or iW1 remote, in iPod mode, will control your iPod music.

Note: Use iPod mode for both iPod docking and Aux-in audio playback.

## Control

## **BonGiovi DPS**

The iW1 is a member of our iHome Studio Series and features Bongiovi Acoustics DPS (Digital Power Station), representing a genuine breakthrough in audio processing. This unique and powerful prossesor, years in the making, was developed by a team of audio engineers that have over 40 years of experience in the music and motion picture recording industries. Audio is digitally restored in real time, adding missing harmonics, improving clarity, presence, and bass resonance. Your music comes alive in ways never before possible.

The Bongiovi DPS function is on by default and can only be turned off or on with the IR remote. Front Status LED will flash Green when DSP is turned OFF or ON via the remote.

## EQ

The iW1 has an EQ feature that is controlled via the remote that adjusts Bass and Treble.

TREBLE +/- buttons: Adjust treble levels between -5 and +5. Default is 0 BASS +/- buttons: Adjust treble levels between -5 and +5. Default is 0

Note: The Front Status LED will flash Green 3 times when the eq reaches maximum or minimum and then return to last status settings.

RESET button (remote): Resets EQ adjustments to the following state: Bass:0, Treble0.

Note: When Reset button is pressed, Top Panel LEDs will flash 2 times and then return to last status settings.

## **Firmware update**

### iW1 Speaker Firmware Updates

It may be necessary to update the firmware of your iW1 speaker to ensure the latest compatibility and optimal functionality. The iW1's firmware can be updated using a USB Mass Storage device containing a new firmware image downloaded by the user from www.ihomeaudio.com (register for an iHome account on our website to receive emails about FW updates).

Using a USB Mass Storage device:

1. Download the latest firmware from www.ihomeaudio.com/airplay/support to your computer.

- 2. Load downloaded firmware to a USB mass storage device.
- 3. Connect USB device
- 4. Press & Hold 🌻 (3 sec).

5. iW1 will scan for firmware file local to the USB device.

If a valid firmware file is found, iW1 firmware will update. If no valid firmware is found user must reset the iW1, load the proper file on USB stick, and attempt Firmware update again.

During Firware Update:

When Firmware is being Updated, All top panel controls will PULSE and be inactive. All buttons are inactive except for Reset button. If firmware update is successful, a confirmation (positive) tone will sound.

## Troubleshooting

Problem	Solution								
The iW1 doesn't respond or doesn't turn ON.	<ol> <li>Battery may be dead or low. Return the iW1 to it's charging base.</li> <li>Verify that the adaptor is connected and the power outlet is always 'live' (not controlled by a wall switch).</li> <li>Reset the iW1 Hardware:         <ul> <li>Unplug the AC jack/remove the iW1 from the charging base.</li> <li>Slide the rear Power Switch to the OFF and then ON position.</li> <li>Reconnect AC jack, place iW1 on charging base and wait 30 seconds.</li> </ul> </li> </ol>								
No sound.	<ol> <li>Verify that the volume is not muted or set to 0.</li> <li>Verify the mode (AirPlay Wireless or iPod mode).</li> <li>Verify iPod or iPhone is properly docked with the USB sync cable and connected to the iW1's USB port.</li> <li>Verify that there is not another iTunes library or iOS device connected to the iW1 speaker.</li> <li>Check the network connection. Set up the network again if needed.</li> <li>Try restarting iTunes or your iOS device.</li> </ol>								
I am unable to connect the iW1 to my home Wi-Fi network.	<ol> <li>Verify that your Wi-Fi network is functioning and Wi-Fi certified. This device is only compatible with Wi-Fi certified routers.</li> <li>Move the iW1 closer to your network access point; the Wi-Fi signal is weak or there are overlapping Wi-Fi signals or the iW1 is out of range of your Wi-Fi network.</li> <li>Enable SSID broadcast on the Wi-Fi router and use a WPA or WPA2 key for security. Do not use any WEP key for security.</li> <li>Keep away from potential sources of interference which may affect Wi-Fi signal, such as microwave ovens.</li> <li>Make sure that the SSID name of your home router consists of normal characters or digits, with no space or special characters like %/#/* inserted. If you choose to rename the AirPlay device 'iHome iW1 XXXX' in the setting menu, do not use special characters or symbols.</li> <li>Reset the iW1 Hardware and repeat network setup:         <ul> <li>Unplug the AC jack/remove the iW1 from the charging base.</li> <li>Slide the rear Power Switch to the OFF and then ON position.</li> <li>Reconnect AC jack, place iW1 on charging base and wait 30 seconds for the iW1 speaker to restart.</li> <li>Repeat iW1 Wi-Fi Network Setup process.</li> </ul> </li> <li>If the problem remains, it is strongly recommended to use our free iHome Connect app for your iPod Touch/iPhone/iPad to do the first time Wi-Fi setup as some PC settings may affect the Wi-Fi network setup.</li> </ol>								

## **Questions? Visit www.ihomeintl.com**

Problem	Solution
I've successfully connected the iW1 to my home network, but I cannot select the iW1 speaker from iTunes or my iOS Device.	<ol> <li>The iW1 speaker must be on the same Wi-Fi network as your AirPlay source.</li> <li>Verify you have the latest version of iTunes and/or iOS.</li> <li>Disable the firewalls software and security software, which may block ports that AirPlay uses to stream content.</li> <li>Try restarting iTunes or your iOS device.</li> <li><i>Note:</i> The original iPhone, iPhone 3G, and iPod touch (1st gen) do not support AirPlay.</li> </ol>
No AirPlay icon in iTunes or on my iPad/iPhone/iPod touch	<ol> <li>Make sure that the device has already joined the AirPlay network.</li> <li>Before you open iTunes, make sure that you have enabled Bonjour service in your PC. Take Windows XP for example: to enable the service, you can click Start-&gt;Settings- &gt;Control Panel, and doubleclick Administrative Tools-&gt; Services-&gt;Bonjour Service, then click Start followed by OK on the pop-up menu.</li> <li>Within iTunes open "Preferences", Select the "Devices" tab, and activate the following option that says "Allow iTunes control from remote speakers."</li> <li>Try restarting iTunes or your iOS device. <i>Note:</i> The original iPhone, iPhone 3G, and iPod touch (1st gen) do not support AirPlay.</li> </ol>
Occasional breaking of AirPlay music streaming.	<ol> <li>Do one or all of the following:         <ol> <li>Enable the Auto Channel Scan option (if available on the Wi-Fi router).</li> <li>Enable the Wireless Intelligent Stream Handling (WISH) option (if available on the Wi-Fi router).</li> <li>Enable the Quality of Service (QoS) option (if available on the Wi-Fi router).</li> <li>Enable the Quality of Service (QoS) option (if available on the Wi-Fi router).</li> <li>Move your iW1 speaker closer to your Wi-Fi access point.</li> <li>Restart your iPod Touch/iPhone/iPad or iTunes or iW1 speaker.</li> <li>Browsing Internet content like news, music, video and etc. via your home Wi-Fi network from other Wi-Fi devices may affect the AirPlay performance. In case of AirPlay break or disconnection, it is recommended to stop or limit Internet surfing.</li> </ol> </li> </ol>

**Questions? Visit www.ihomeintl.com** 

## FAQ's

#### What is AirPlay?

AirPlay is a wireless audio and video platform designed by Apple to stream digital media over a home network (Wi-Fi or Ethernet). AirPlay is built-in to iTunes and the iPad, iPhone, and iPod touch running the latest software. For AirPlay enabled speakers, this means:

- 1. Consumers can stream their iTunes music to our iW1 AirPlay enabled speaker, their Apple TV, or other AirPlay enabled speakers.
- 2. iPad/iPhone/iPod touch owners can stream their iPod music AND audio content from other music apps like Pandora and iHeartRadio to our iW1 AirPlay enabled speaker, their Apple TV, or other AirPlay enabled speakers.
- 3. iTunes is unique because a user can stream whatever is playing in iTunes to multiple speakers around the house.
- 4. iOS devices (iPad/iPhone/iPod touch) can only stream to one AirPlay enable device at a time.

#### What other equipment do I require to use iW1 with AirPlay?

To use the iHome iW1 with AirPlay will require an Mac or PC running iTunes (10.1 or later), or an Apple iOS device running iOS (4.2 or later) connected to the same network. Typically, a network will consist of a Wi-Fi router or hub.

#### What devices are compatible with AirPlay?

AirPlay works with iPod touch (2nd, 3rd, and 4th generation), iPhone 4, iPhone 3GS, iPad 2, iPad with iOS 4.2 and iTunes 10.1 (Mac or PC) or later.

#### What Apple devices are compatible with iW1's USB dock connector?

iW1 supports USB docking for iPhone and iPod for audio and charging with included USB sync cable. The USB connector works with iPod touch (1st, 2nd, 3rd, and 4th generation), iPod nano (2nd, 3rd, 4th, 5th, and 6th generation), iPhone 4, iPhone 3GS, iPhone 3G.

#### Can I stream audio wirelessly to the iW1 without a network connection?

No, the iW1 and AirPlay audio source must be connected to the same Wi-Fi network via a router or hub.

#### Can I stream video wirelessly to iW1?

No, only audio streaming is supported.

#### Does the iW1 have an AUX-input for my TV or other audio device?

Yes, the iW1 can be used as a speaker system with many products that have headphone, stereo RCA or optical audio outputs (cable not included).

#### How many iHome iW1 units can I stream to at once?

This will depend on your network equipment capabilities and set-up. For Mac/PC with iTunes with a high performance network, up to three iHome iW1's maybe used. An iPad, iPhone, or iPod touch can only stream to a single iW1 speaker.

#### How long is the battery life of the iW1?

A fully charged iW1 battery playing music at full volume while streaming AirPlay wireless audio will last for 3.5 hours, and 7 hours at 50% volume.

#### What Wi-Fi technologies does iW1 support?

The iW1 is Wi-Fi certified to work with networks that use the 802.11b/g wireless standards.

#### What network security types does the iW1 support?

The iW1 supports the following security types: Open, WPA Personal (-PSK), WPA2 Personal (-PSK).

iHome does not recommend using iW1 on security networks configured with WEP security due to inconsistencies in compatibility with that aging security standard. The iW1 does not support WPA/WPA2 Enterprise security types.

For instructions on changing security types of your home network, refer to your Wi-Fi access-point's documentation. For best results, ensure your Wi-Fi access point is WiFi-certified and is configured to support 802.11g communications.

## **Consumer Product Safety Guide**

## Safety Instructions

- 1. Water and Moisture The unit should not be used near water. For example: near a bathtub, washbowl, kitchen sink, laundry tub, swimming pool or in a wet basement.
- 2. Ventilation The unit should be situated so that its location or position does not interfere with its proper ventilation. For example, it should not be situated on a bed, sofa, rug or similar surface that may block ventilation openings. Also, it should not be placed in a built-in installation, such as a bookcase or cabinet, which may impede the flow of air through the ventilation openings.
- 3. Heat The unit should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
- 4. Power Sources The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- 5. Power Cable Protection Power supply cables should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. It is always best to have a clear area from where the cable exits the unit to where it is plugged into an AC socket.
- 6. Cleaning The unit should be cleaned only as recommended. See the Maintenance section of this manual for cleaning instructions.
- 7. Objects and Liquid Entry Care should be taken so that objects do not fall and liquids are not spilled into any openings or vents located on the product.
- 8 Attachments Do not use attachments not recommended by the product manufacturer.
- 9 Lightning and Power Surge Protection Unplug the unit from the wall socket and disconnect the antenna or cable system during a lightning storm or when it is left unattended and unused for long periods of time. This will prevent damage to the product due to lightning and power-line surges.
- Overloading Do not overload wall sockets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 11. Damage Requiring Service The unit should be serviced by qualified service personnel when:
  - A. the power supply cable or plug has been damaged.
  - B. objects have fallen into or liquid has been spilled into the enclosure.
  - C. the unit has been exposed to rain.
  - D. the unit has been dropped or the enclosure damaged.
- E. the unit exhibits a marked change in performance or does not operate normally.
- Antenna Do not connect an external antenna to the unit (other than that provided).
- 13. Periods of None Use If the unit is to be left unused for an extended period of time, such as a month or longer, the power cable should be unplugged from the unit to prevent damage or corrosion.
- 14. Servicing The user should not attempt to service the unit beyond those methods described in the user's operating instructions. Service methods not covered in the operating instructions should be referred to qualified service personnel.

## Internal Rechargeable Lithium-ion Battery

This device uses an internal rechargeable lithium-ion battery that should last the lifetime of the device. If you suspect your battery may be dead, try charging it several times. If the battery does not recharge, please contact us for repair information.

#### WARNING/DISPOSAL OF UNIT

Please do NOT attempt to change the battery yourself. If the battery has died and you do not want us to replace your battery, you should follow the disposal instructions below:

- Never dispose of used batteries/electronics with ordinary solid wastes, since they
  contain toxic substances.
- Always dispose of used batteries/electronics in accordance with the prevailing community regulations that apply to the disposal of batteries/electronics. If there are no local regulations concerning battery/electronics disposal, please dispose of the device in a waste bin for electronic devices.
- Many electronics retailers now recycle batteries and other electronic components at no charge. Check to see which ones in your area do so.

#### CAUTION

The battery used in this device may present a risk of fire, explosion or chemical burn if mistreated.

- Never use or charge the battery if it appears to be leaking, discolored, deformed, or in any way abnormal.
- Never disassemble the unit or attempt to remove battery as that could cause leakage of alkaline solution or other electrolytic substance.
- Always confirm that the temperature is  $5^{\circ}C 35^{\circ}C$  ( $41^{\circ} 95^{\circ}$  Fahrenheit) before you charge the battery. Leakage or deterioration of the battery may occur if this warning is not heeded.
- Never expose the battery to any liquid.
- Never expose the battery to excessive heat such as direct sunlight or fire.
- Never use the battery pack in an unventilated vehicle where excessive internal temperatures may be encountered.
- Always keep the battery out of the reach of infants and small children.

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