I-Sonic®

Entertainment System 2
Owner’s Guide
Important Safety Instructions—Read Before Operating Equipment

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. **Read Instructions.** All the safety and operating instructions should be read before the system is operated.
2. **Retain Instructions.** The safety and operating instructions should be retained for future reference.
3. **Heed Warnings.** All warnings on the appliances and in the operating instructions should be adhered to.
4. **Follow Instructions.** All operating and use instructions should be followed.
5. **Cleaning.** Unplug the appliance from wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. **Attachments.** Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Water and Moisture.** Do not use these appliances near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. **Accessories.** Do not place these appliances on an unstable cart, stand, tripod, bracket, or table. The audio/video products may fall, causing serious injury to a child or adult, and serious damage to the products. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the appliances. Any mounting of the appliances should follow the manufacturer’s instructions, and should use mounting accessories recommended by the manufacturer.
9. **Ventilation.** Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the appliances and to protect them from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the products on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer’s instructions have been adhered to.
10. **Power Sources.** This product should be operated only from the type of power source indicated on the marking labels. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.

11. **Grounding or Polarization.** This product is equipped with polarized alternating-current line plugs (plugs having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. **Power Cord Protection.** Power-supply cord should be routed so that it is not likely to be walked on or pinched by items placed upon or against it, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliances.
13. **Lightning.** For added protection for this audio/video product during a lightning storm, or when it is left un-attended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
14. **Power Lines.** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
15. **Overloading.** Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
16. **Object and Liquid Entry.** Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on this audio/video product.
17. **Servicing.** Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
18. **Damage Requiring Service.** Unplug this product from wall outlets and refer servicing to qualified service personnel under the following conditions:
   a. When the power supply cord or plug is damaged.
   b. If liquid has been spilled, or objects have fallen into the product.
c. If the product has been exposed to rain or water.
d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
e. If the product has been dropped or the cabinet has been damaged.
f. When the product exhibits a distinct change in performance—this indicates a need for service.

19. Replacement Parts. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that the parts have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

20. Safety Check. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the products are in proper operating condition.

21. Carts and Stands. The appliances should be used only with a cart or stand that is recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

22. THIS PRODUCT IS NOT INTENDED FOR USE OUTDOORS.

Product Disposal. Certain international, national and/or local laws and/or regulations may apply regarding the disposal of this product. For further detailed information, please contact the retailer where you purchased this product or the Polk Audio Importer/Distributor in your country. A listing of Polk Audio Importer/Distributors can be found on the Polk Audio website www.polkaudio.com or by contacting Polk Audio at: 5601 Metro Drive, Baltimore, Maryland 21215, USA. Phone: +1-410-358-3600; in California: 1-800-377-7655.

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.
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Introduction

I-Sonic ES2
From Polk Audio®

Thank you for purchasing the Polk Audio I-Sonic® Entertainment System 2 (ES2), an entertainment system capable of high quality, room-filling sound from the latest digital sources. The I-Sonic ES2 allows you to enjoy your iPod® and AM/FM analog and digital HD Radio reception over the Polk Audio I-Sonic sound system in any room of your home.

Polk Audio has engineered acoustic systems for over 35 years and developed the patent pending I-Sonic sound system to provide full bandwidth audio performance for compact audio systems, independent of the location of the product or listener. Combining the I-Sonic 4-speaker array with our patented PowerPort® technology used in our premium sound systems, the I-Sonic ES2 creates a beautiful, big, rich, room-filling stereo sound throughout an entire room, no matter where you sit.
Unpack Your I-Sonic® ES2

Ensure that you have everything in your I-Sonic ES2 carton to start enjoying your system. Inside you should find:

- I-Sonic ES2
- Remote Control (batteries included)
- Power Supply
- AM External Antenna
- FM External Antennas (dipole and wire)
- Owner's Guide
- Online Registration Card

Important Note
If anything is missing or damaged, or if your I-Sonic ES2 fails to operate, notify your dealer immediately. We recommend keeping your original carton and packing materials in case you need to ship the unit in the future. Contact Polk Audio Customer Service 9am-6pm EST 1-800-377-7655 (Outside USA & Canada: 410-358-3600), or email polkcs@polkaudio.com.

Select The Location

Place your I-Sonic ES2 on a flat surface such as a table, counter top, TV stand, or book shelf. In order to get the maximum benefits of the I-Sonic ES2, place the unit so that the rear speakers are not blocked.

- On A Table Or Shelf—preferred location, 6" - 12" from wall.
- On A Corner Table—the closer to the wall the more bass boost you will hear; you may want to reduce the bass in the Setting Menu (See page 22).
- In An Armoire Or Enclosed Shelf—the acoustic image may be restricted because the back speakers are under the shelf; this may also increase the bass output. You may want to adjust a combination of bass and treble setting; for instance reduce the bass and increase the treble in the Setting Menu (See page 22).
Back Panel Hookups

1. External AM Antenna (Black Is Ground)
2. External FM Antenna
3. Audio Inputs/Outputs
4. S Video
5. Composite Video
6. Power

1. Connect The Power
   - Connect the power supply to an electrical outlet.
   - Connect the output of the power supply to the I-Sonic ES2.

2. Connect The Antennas
   - Connect the FM antenna—try the straight wire first then if needed you can improve reception by using the dipole antenna (See page 23 for details on antennas).
   - Connect the AM antenna—black is ground.

3. Connect The TV (Optional)
   - Choose to connect either S-Video or composite by checking which is compatible with your TV.

   **Note:** Video output is only used for connection of the iPod to a TV.

4. Set The Time
   - The 1st press of the TIME SET Button on the console begins the “Time Set Function.” The hour function flashes. Use the Adjust (↑↓) Buttons to change the hour.
   - The 2nd press of the TIME SET Button on the console begins the “Minute Function.” The minute function flashes. Use the Adjust (↑↓) Buttons to change the minutes.
   - The 3rd press of the TIME SET Button on the console begins the “AM/PM Function.” Use the Adjust (↑↓) Buttons to select AM or PM.
   - The 4th press of the TIME SET Button on the console exits the “Time Set Function” and starts the clock.
I-Sonic® Technology

Four-speaker I-Sonic® technology delivers a room-filling, stereo soundstage 360° around the entertainment system. You will hear big lifelike sound everywhere in the room, even if you are to the side or behind the unit. By manipulating the signals from the front speakers through a pattern of signal cancellation, reinforcement and delays, Polk Audio engineers created a larger sound stage and more specific imaging. The result is a rich, full stereo image projected all around the I-Sonic Entertainment System 2 into the room, with the clarity and spacious sound for which Polk Audio is known.

HD Radio™ Technology & Multicasting—A Revolution In Radio

HD Radio technology is the most significant technological change to radio broadcasting since the introduction of FM radio more than forty-five years ago. HD Radio technology is the standard for digital AM and FM radio, transforming the radio experience in ways never thought possible, both here and around the world. HD Radio broadcasting offers both AM and FM listeners the quality, choice and interactive data services consumers have come to expect from other digital technologies, and it’s all subscription-free.

HD Radio Advantages

- Multicasting, which is the ability to broadcast multiple program streams over a single FM frequency (97.7-2, 97.7-3, etc.), thereby increasing the amount and diversity of content choices.
- Static-free, crystal-clear reception.
- CD-quality sound on FM; FM-stereo quality sound on AM
- Stations stay in their well-known, traditional place on the radio dial.
- A variety of "data services" that will range from text-based information (artist name, song title, weather alerts, school closings and more) to live traffic reports.
- HD Radio receivers also receive conventional AM and FM analog broadcasts.

To find HD Radio stations in your area, please visit www.hdradio.com.

HD Radio™ Technology Manufactured Under License From iBiquity Digital Corporation. U.S. and Foreign Patents. The HD and HD Radio logos are proprietary trademarks of iBiquity Digital Corp.
Dock For Your iPod®

The I-Sonic ES2 features a dock for your iPod on the top of the unit. The dock features the latest connectivity, allowing all Apple DRM content playback for both music and video files. The I-Sonic ES2 charges your iPod when docked. Also, the dock is directly connected to the Composite and S-Video outputs on the I-Sonic ES2, so you can attach the I-Sonic ES2 to a television for viewing movies or photos from your iPod. Please see Compatibility Chart.

iTunes Tagging

With just a press of the Tag button, you can discover music and take it with you!

The iTunes Tag button on the I-Sonic ES2 allows you to tag songs you like that are broadcast by HD Radio stations. Information about these tagged songs is stored by the receiver and transferred to your iPod. When you connect your iPod to your computer, iTunes automatically presents the songs in a new Tagged playlist so you can preview, buy, and download them. iTunes Tagging is a great way to discover new music and add it to your collection!

- The I-Sonic ES2 can save the data of up to 50 songs.
- When the data is being saved, the I-Sonic ES2 display will read: “Store Tag Data” in the status menu.

- When you dock your iPod, all of the tagged song data stored in the I-Sonic ES2 is transferred to your iPod. The next time you sync your iPod with your computer, iTunes will present you with a new Tagged Playlist of the songs you selected, so you can preview, buy and download them.

Compatibility Chart

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<th>Video Playback</th>
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<tr>
<td>photo</td>
<td>Y**</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
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<td>N</td>
<td>N</td>
<td>N*</td>
<td>n/a</td>
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<tr>
<td>5G</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>2G nano</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N*</td>
<td>n/a</td>
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<tr>
<td>iPodClassic (airplane mode)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>iPodClassic (video)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>iPodTouch</td>
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<td>iPodNano (4G)</td>
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<td>iPodClassic (2G)</td>
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<td>iPodTouch (2nd generation)</td>
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* Special Note: iTunes Tagging requires iTunes 7.4 or later.

** Audio playback on these units works in most cases. If you experience problems, please verify that you have the updated software on your iPod.

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On top of the I-Sonic ES2 you will see a button array. The following list describes each button’s function:

1. **Power (Ô)Button.** Toggles the power between “On” and “Standby.”
2. **SOURCE Button.** Selects the source you want to play: FM, AM, iPod or Aux. (When the Power is turned on the last source selected will come on automatically.)
3. **VOLUME +/- Buttons.** Increases/decreases the volume level. Also takes the I-Sonic ES2 out of “Mute” if it’s engaged.
4. **SNOOZE/MUTE Button.**
   - In Radio/iPod/Aux Mode
     - The 1st press will “Mute” sound during normal operation of any source.
     - The 2nd press will turn off “Mute.” When Alarm Is “Sounding.” When the alarm is sounding the SNOOZE/MUTE Button will Snooze the alarm source for 10 minutes. This 10-minute interval will repeat until the alarm source is turned off by pressing the ALARM ON/OFF Button.
5. **Adjust (►◄) Buttons.** These buttons perform multiple functions, which are dependent upon the selected source or activity. For Example:
   - When Listening To The Radio—these buttons tune up or down.
   - When Listening To Your iPod—these buttons will move through your playlist.
   - When Setting The Time—these buttons will adjust the time.

   **To Temporarily Change Display Brightness (Backlight) When In “Standby”**
   - Press the SNOOZE/MUTE Button to change the display brightness. The display will change back to the brightness set under the Setting Preferences when powered “On” or when the Alarm sounds. (Display brightness can be permanently changed for the system under the SETTINGS Button).
The AM Or FM Radio Is The Selected Source:

6. TUNE Button. Press to select “Tuning Mode.” After pressing the TUNE Button, the Adjust ( • • ) Buttons will increase or decrease the radio frequency. Pressing and holding the Adjust ( • • ) Buttons while in the “Tune Mode” will move the tuner quickly up or down in frequency.

7. SEEK Button. Press to select “Seek Mode.” After pressing the SEEK Button, the Adjust ( • • ) Buttons will direct the radio to find the next radio station above or below the current frequency.
   - The 1st press of the SEEK Button will enable the “Seek Mode.” This will “Seek” the next radio station.
   - The 2nd press of the SEEK Button will enable the “HD Seek Mode.” This will “Seek” only radio stations transmitting an HD Radio signal.

8. PRESET Button. Press to select “Preset Mode.” After pressing the PRESET Button, the Adjust ( • • ) Buttons will load the next station from your saved “Presets.”
   - Note: Press and hold the PRESET Button to delete a “Preset.”

9. STORE Button. Press the STORE Button to store the current radio station into the next available preset. There are 30 presets.

Settings And Clock/Alarm Buttons:

10. SETTINGS Button.
   - The 1st press of the SETTINGS Button will enable the “Bass Settings.” Use the Adjust ( • • ) Buttons to set the bass.
   - The 2nd press of the SETTINGS Button will enable the “Treble Settings.” Use the Adjust ( • • ) Buttons to set the treble.
   - The 3rd press of the SETTINGS Button will enable the “Backlight Settings.” Use the Adjust ( • • ) Buttons to set the backlight.
   - The 4th press of the SETTINGS Button will enable the “Contrast Settings.” Use the Adjust ( • • ) Buttons to set the contrast.
   - The 5th press of the SETTINGS Button will enable the “Sleep Settings.” Use the Adjust ( • • ) Buttons to set the sleep timer. Choices are: Off, 15, 30, 45...90 minutes.
   - The 6th press of the SETTINGS Button will enable the “Input Gain Settings.” Use the Adjust ( • • ) Buttons to set the input gain.
   - The 7th press will exit the “Setting Function” and save all changes.

11. TIME SET Button.
   - The 1st press of the TIME SET Button begins the “Time Set Function.” The hour function flashes. Use the Adjust ( • • ) Buttons to change the hour.
   - The 2nd press of the TIME SET Button begins the “Minute Function.” Use the Adjust ( • • ) Buttons to change the minutes.
   - The 3rd press of the TIME SET Button begins the “AM/PM Function.” Use the Adjust ( • • ) Buttons to change between AM and PM.
   - The 4th press of the TIME SET Button exits the “Time Set Function.” The clock will start upon the exit of the function with zero (0) seconds.

12. ALARM SET Button.
   - The 1st press of the ALARM SET Button begins the “Alarm Time Set Function.” The hour function flashes. Use the Adjust ( • • ) Buttons to change the hour.
   - The 2nd press of the ALARM SET Button selects the “Minute Function.” The minute function flashes. Use the Adjust ( • • ) Buttons to change the minutes.
   - The 3rd press of the ALARM SET Button selects the “AM/PM Function.” Use the Adjust ( • • ) Buttons to change between AM and PM.
   - The 4th press of the ALARM SET Button selects the “Alarm Source.” Use the Adjust ( • • ) Buttons to toggle through the available “Alarm Sources:” (Radio, Tone or iPod). If Radio is selected, the next press allows you to select the current playing station or any “Preset” station (P1-P30). Use the Adjust ( • • ) Buttons to select.
   - The next press of the ALARM SET Button selects “Alarm Volume.” Use the Adjust ( • • ) Buttons to change the volume of the “Alarm Source.”
   - The next press of the ALARM SET Button exits the “Alarm Time Set Function.”

13. ALARM ON/OFF Button. Press the ALARM ON/OFF Button to toggle the “Alarm On” or “Alarm Off.”
   - Note: When the alarm is on, the display will show the “Alarm” icon ( • • ).

14. Headphone Jack. When headphones are plugged into this jack, the MAIN SPEAKER will be muted.

15. Dock. The dock has a universal well and requires the appropriate adapter for your iPod. Please use the adapter that came with your iPod or see the included adapters, using the one appropriate for your iPod.

16. Tag Button. This special button is located on the front of the system just below the display. When the Tag button is lit, pressing will save the currently playing song title and artist information into the the system’s database. You can save up to 50 tags (See iTunes Tagging in Special Features located on page 9).
Most of the functions on your I-Sonic ES2 are conveniently controlled by a compact remote control. The functions are the same as the buttons on the radio unless indicated.

1. **POWER Button.** Toggles the power between “On” and “Standby.”
2. **DISP (Display) Button.** Adjusts display brightness from brightest to dimmest.
   - When the unit is “On,” press the DISP Button to change the “Backlight Setting.”
   - When the unit is in “Standby,” pressing the DISP Button will temporarily change the display brightness. The display will return to the brightness set by the “Backlight Settings” the next time you power “On” the system from standby or when the Alarm sounds (See page 22).
3. **Tag Button.** When the Tag Button is lit on the front of the I-Sonic ES2, pressing the Tag Button on the remote will save the currently playing song title and artist information into the system’s database. You can save up to 50 songs (See iTunes Tagging in Special Features located on page 9).
4. **MUTE Button.**
   - In Radio/iPod/Aux Mode
     - The 1st press of the MUTE Button will “Mute” the sound during normal operation of any source.
     - The 2nd press of the MUTE Button will turn off “Mute.” When Alarm Is “Sounding”
   - When the alarm is sounding the MUTE Button will “Snooze” the alarm source for 10 minutes. This 10-minute interval will repeat until the alarm source is turned off by pressing the ALARM ON/OFF Button.
5. **FM Button.** Selects FM radio. If your I-Sonic ES2 is in “Standby,” pressing this button will turn on the unit and select the FM radio.
6. **AM Button.** Selects AM radio. If the unit is in “Standby,” pressing this button will turn on the unit and select the AM radio.
7. **AUX Button.** Selects an external source connected to the AUX INPUT. If the unit is in “Standby,” pressing this button will turn on the unit and select the AUX INPUT.
8. **VOL + / – Button.** Increases or decreases the volume.
I-Sonic ES2: Using The Remote Control

iPod Control Buttons:

9. iPod Button. Selects a docked iPod. If the unit is in “Standby,” pressing this button will turn on the unit and select the iPod.

10. Play/Pause (▶/pause) Button. Plays or pauses a song on your iPod.

   - A single press will go to the next track.
   - Holding the button down will fast forward the currently playing track.

12. Rewind (◀) Button. Moves backward through your current playlist.
   - A single press will go to the previous track.
   - Holding the button down will rewind the currently playing track.

Radio Control Buttons:

13. TUNE Up/Down (▲/▼) Buttons. Press the TUNE Up/Down (▲/▼) Buttons to move up or down the radio frequency band. To move quickly up or down the frequency band, press and hold the Tune Up/Down (▲/▼) Buttons.

14. SEEK Up/Down (▲/▼) Buttons. Press the SEEK Up/Down (▲/▼) Buttons to find the next strongest radio station signal above or below the current frequency.

15. PRESET Up/Down (▲/▼) Buttons. Press the PRESET Up/Down (▲/▼) Buttons to load the next “Preset” station above or below the current station.

16. SLEEP Button. Pressing this button will put the I-Sonic ES2 into “Standby” in up to 90 minutes as selected. Choices are: Off, 15, 30, 45...90 minutes.

Alarm Controls:

17. SET Button.
   - The 1st press of the SET Button begins the “Alarm Time Set Function.” The hour function flashes. Use the +/- Buttons to change the hour.
   - The 2nd press of the SET Button selects the “Minute Function.” Use the +/- Buttons to change the minutes.
   - The 3rd press of the SET Button selects the “AM/PM Function.” Use the +/- Buttons to change between AM and PM.
   - The 4th press of the SET Button selects the “Alarm Source.” Use the +/- Buttons to toggle through the available “Alarm Sources:” (Radio, Tone or iPod). If Radio is selected, the next press allows you to select the current playing station or any ”Preset” station (P1-P30). Use the +/- Buttons to select.
   - The next press of the SET Button selects “Alarm Volume.” Use the +/- Buttons to change the volume of the “Alarm Source.”
   - The next press of the ALARM SET Button exits the “Alarm Time Set Function.”

18. – Button. Decreases alarm time or other selections such as time, AM/PM, source, etc.

19. + Button. Increases alarm time or other selections such as time, AM/PM, source, etc.

20. ON/OFF Button. Turns the alarm “On” or “Off.”
Turning On The I-Sonic ES2

There are many ways to turn on the I-Sonic ES2:

- **Console Power Button**

- **Remote Power Button**

- **Any Remote Source Button**

**Select A Source**

- Press the SOURCE Button on the console or on the remote to select the source you want to play. Each press of the SOURCE Button on the I-Sonic ES2 toggles to another source: FM – AM – iPod – AUX.

**Note:** The last source played will power up when you turn the I-Sonic ES2 on, unless the radio is turned on to a pre-defined source used as a wake-up alarm.
Tuning In An Analog Or HD Radio Station

Using The Console

- Press the TUNE Button to select the “Tuning Mode.” Use the Adjust (↑↓) Buttons to increase or decrease the radio frequency.
- To move quickly through the radio frequency bands—hold down the Adjust (↑↓) Button.

Using The Remote

- Press the TUNE Up/Down (↑↓) Buttons to move up or down the radio frequency band.
- To move quickly through the radio frequency bands—hold down the TUNE Up/Down (↑↓) Button.

HD Note: When a radio station is broadcasting an HD Radio signal, the HD icon ( HD ) will blink to indicate the I-Sonic ES2 is acquiring the HD Radio signal. When the signal is acquired, the HD icon will stop blinking and appear on the display.

If the HD Radio signal is subsequently lost, the I-Sonic ES2 will default to the analog signal until the radio station is changed or until the unit is placed in standby mode. This is done to prevent repetitive acquiring of the HD Radio signal in “fringe” reception cases.

Multicasting Note: Multicasting is a feature of HD Radio technology that enables stations to broadcast multiple streams of data on sub-channels of their main frequency. The multicast stations may contain other music formats, local traffic, weather and sports. These multicast stations are found “between” the stations already on the frequency band. (Note: Multicast Radio Stations are accessed in the same manner as you would any station frequency using the Tune or Seek functions.)

<table>
<thead>
<tr>
<th>Radio Channel</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Channel</td>
<td>94.1</td>
<td>The analog channel you currently receive.</td>
</tr>
<tr>
<td>HD Channel 94.1</td>
<td>94.1</td>
<td>The same channel broadcast in HD.</td>
</tr>
<tr>
<td>HD Channel w/ Multicast</td>
<td>94.1-1</td>
<td>The same channel broadcast in HD but also offering multicast channels; the -1 is the hint that your main channel also offers multicast channels.</td>
</tr>
</tbody>
</table>

HD Note: When a radio station is broadcasting an HD Radio signal, the HD icon ( HD ) will blink to indicate the I-Sonic ES2 is acquiring the HD Radio signal. When the signal is acquired, the HD icon will stop blinking and appear on the display.

If the HD Radio signal is subsequently lost, the I-Sonic ES2 will default to the analog signal until the radio station is changed or until the unit is placed in standby mode. This is done to prevent repetitive acquiring of the HD Radio signal in “fringe” reception cases.

Multicasting Note: Multicasting is a feature of HD Radio technology that enables stations to broadcast multiple streams of data on sub-channels of their main frequency. The multicast stations may contain other music formats, local traffic, weather and sports. These multicast stations are found “between” the stations already on the frequency band. (Note: Multicast Radio Stations are accessed in the same manner as you would any station frequency using the Tune or Seek functions.)

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<td>The same channel broadcast in HD.</td>
</tr>
<tr>
<td>HD Channel w/ Multicast</td>
<td>94.1-1</td>
<td>The same channel broadcast in HD but also offering multicast channels; the -1 is the hint that your main channel also offers multicast channels.</td>
</tr>
</tbody>
</table>
Listening To The Radio

Seeking An Analog Or HD Radio Station

Using The Console
- Press to select “Seek Mode.” After pressing the SEEK Button, the Adjust (⊿ ⊿) Buttons will direct the radio to find the next radio station above or below the current frequency.
- The 1st press of the SEEK Button will enable the “Seek Mode.” This will “Seek” the next radio station.
- The 2nd press of the SEEK Button will enable the “HD Seek Mode.” This will “Seek” only radio stations transmitting in an HD Radio signal.

Using The Remote
- Press the SEEK Up/Down (⊿ ⊿) Buttons to find the next strongest radio station signal above or below the current frequency.

Note: The radio will move through the frequency band (either up or down depending on which adjust button you’ve pressed) until it locks onto a strong signal.

Saving Or Deleting A Preset For Any Radio Station

Using The Console
- “Tune” or “Seek” to a radio station you want to store.
- Press the STORE Button to store the current radio station into the next available preset. There are 30 presets.
- To delete a preset, use the Adjust (⊿ ⊿) Buttons to select the preset then press and hold the PRESET Button. The station is removed from the preset list.

Note: Presets cannot be stored nor deleted from the remote.

Using The Remote
- Press the PRESET Up/Down (⊿ ⊿) Buttons to load the next “Preset” station above or below the current station.

Accessing A Preset Radio Station

Using The Console
- Press the PRESET Button to select “Preset Mode.”
- After pressing the PRESET Button, the Adjust (⊿ ⊿) Buttons will load the next station from your saved “Presets.”

Using The Remote
- Press the PRESET Up/Down (⊿ ⊿) Buttons to load the next “Preset” station above or below the current station.
Listening To Your iPod

Connect Your iPod

Using The Console
- Press the SOURCE Button to select the iPod as your source.

Using The Remote
- Press the iPod SOURCE button to select the iPod as your source.

In order to connect your iPod, open the cover over the dock and insert the dock adapter for your iPod into the docking cradle and then insert your iPod. Dock adapters for newer iPods are supplied with the iPod itself. Dock adapters for older iPods are included with the I-Sonic ES2 (See iPod Adapter Guide on page 26). Be sure to use the dock adapter that matches your iPod to ensure a proper fit and to prevent connector damage.

For best sound performance, turn off the EQ settings in your iPod by following the instructions that were supplied with your iPod.

Play Your iPod

Following the instructions provided with your iPod, select the music, video, Playlist, or Podcast that you would like to play. Press play on your iPod.

Play/Pause

Using Your iPod Or The Remote
- Press the Play/Pause (► ■) Button to play or pause a song on your iPod.

Next Track/Fast Forward & Previous Track/Rewind

Using The Console
- Press the Adjust (◄ ►) Buttons to move through your playlist.
- A single press will go to the next or previous track.
- Holding the button down will rewind or fast forward the currently playing track.

Using The Remote
- Press the Rewind (◄) or the Fast Forward (►) Button to move through your playlist.
- A single press will go to the next or previous track.
- Holding the button down will rewind or fast forward the currently playing track.

iPod mode playing track with iPod that does not support song title and artist display.

Artist Name
Song Name

Track Time
3:23
Clock Time
12:00 AM
Tagging A Song

The I-Sonic ES2 is the first product to have a unique music identification feature called iTunes Tagging that allows you to save a song title, artist, and other data and then purchase that song from iTunes.

Using The Console

- When listening to an HD Radio station and you hear a song you like, press the Tag button.

Using The Remote

- When listening to an HD Radio station and you hear a song you like, press the Tag button.

Note: If the console tag button is lit then the I-Sonic ES2 will save the data about that song in an internal database. You can save the data for up to 50 songs. If the button is not illuminated then the radio station has not provided the data needed to save the song information.

That’s it—you have tagged a song.
Get Your Tagged Songs In iTunes

1. Dock An iPod. After the iPod and I-Sonic ES2 have been connected (about 1-2 minutes) the tag(s) in the I-Sonic ES2 will be transferred to the iPod. You will see a message “Sending Tags To iPod” if iPod is the selected source. The database is erased from the I-Sonic ES2 upon successful transfer to the iPod.

2. Synchronize Your iPod With iTunes. When you synchronize your iPod with iTunes, iTunes will create a playlist called “Tagged,” this playlist will contain the songs that iTunes has found that match your Tagged songs.

3. Preview, Buy & Download. You may purchase your songs in your iTunes Tagged playlist the next time you synchronize your iPod.

Note: If the I-Sonic ES2 detects the iPod has been disconnected while transferring the Tag database, the database will remain in the I-Sonic ES2 and the display will show “Transfer Failed.”

Compatibility Chart

<table>
<thead>
<tr>
<th>Feature</th>
<th>Audio Playback</th>
<th>Song Title &amp; Artist Displayed</th>
<th>Control of Track Up/Down</th>
<th>iTunes Tagging</th>
<th>Video Playback</th>
</tr>
</thead>
<tbody>
<tr>
<td>photo</td>
<td>Y**</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>nano</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N*</td>
<td>n/a</td>
</tr>
<tr>
<td>5G</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>2G nano</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N*</td>
<td>n/a</td>
</tr>
<tr>
<td>iPhone (airplane mode)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>3G nano (video)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>iPod classic</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>iPod touch</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>iPhone 3G (2nd generation, airplane mode)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>iPod nano (4G)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>iPod classic (2G)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>iPod touch (2nd generation)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

* Special Note: iTunes Tagging requires iTunes 7.4 or later.

** Audio playback on these units works in most cases. If you experience problems, please verify that you have the updated software on your iPod.
Using Auxiliary Input & Output

Aux Input

Connect your MP3 player, CD player, or other audio device to the AUX INPUT on the rear of the I-Sonic ES2.

Using The Console
- Press the SOURCE Button to select AUX as your source.

Using The Remote
- Press the AUX Button to select AUX as your source.

Note: If the device you connect to the Aux Input does not play loud enough or has a low output, you can change the Aux Input gain under the Setting Preferences (See page 22).

Aux Output

Located on the rear panel of the console is an AUX OUTPUT which is used to connect another audio device (i.e. another audio system or a powered subwoofer).

- The AUX Output is a fixed line-level audio output.

Setting The Clock

Using The Console
- The 1st press of the TIME SET Button begins the “Time Set Function.” The hour function flashes. Use the Adjust (◄ ►) Buttons to change the hour.
- The 2nd press of the TIME SET Button begins the “Minute Function.” Use the Adjust (◄ ►) Buttons to change the minutes.
- The 3rd press of the TIME SET Button enables the “AM/PM Function.” Use the Adjust (◄ ►) Buttons to change between AM and PM.
- The 4th press of the TIME SET Button exits the “Time Set Function.” The clock will start upon the exit of the function with zero (0) seconds.
Setting The Alarm

Using The Console

- The 1st press of the ALARM SET Button begins the “Alarm Time Set Function.” The hour function flashes. Use the Adjust (↑ ↓) Buttons to change the hour.
- The 2nd press of the ALARM SET Button selects the “Minute Function.” The minute function flashes. Use the Adjust (↑ ↓) Buttons to change the minutes.
- The 3rd press of the ALARM SET Button selects the “AM/PM Function.” Use the Adjust (↑ ↓) Buttons to change between AM and PM.
- The 4th press of the ALARM SET Button selects the “Alarm Source.” Use the Adjust (↑ ↓) Buttons to toggle through the available “Alarm Sources:” (Radio, Tone or iPod). If Radio is selected, the next press allows you to select the current playing station or any “Preset” station (P1-P30). Use the Adjust (↑ ↓) Buttons to select.
- The next press of the ALARM SET Button selects “Alarm Volume.” Use the Adjust (↑ ↓) Buttons to change the volume of the “Alarm Source.”
- The next press of the ALARM SET Button exits the “Alarm Time Set Function.”

Using The Remote

- The 1st press of the SET Button begins the “Alarm Time Set Function.” The hour function flashes. Use the –/+ Buttons to change the hour.
- The 2nd press of the SET Button selects the “Minute Function.” Use the –/+ Buttons to change the minutes.
- The 3rd press of the SET Button selects the “AM/PM Function.” Use the –/+ Buttons to change between AM and PM.
- The 4th press of the SET Button selects the “Alarm Source.” Use the –/+ Buttons to toggle through the available “Alarm Sources:” (Radio, Tone or iPod). If Radio is selected, the next press allows you to select the current playing station or any “Preset” station (P1-P30). Use the –/+ Buttons to select.
- The next press of the SET Button selects the “Alarm Volume.” Use the –/+ Buttons to change the volume of the “Alarm Source.”
- The next press of the SET Button exits the “Alarm Time Set Function.”

Note: Selecting “Preset” as your “Alarm Source” allows you to use the same station as your alarm everyday.

Note: The default “Alarm Settings” are: 12:00am – Tone – Volume Level = 15.

Alarm On/Off

Using The Console

- Press the ALARM ON/OFF Button to toggle the “Alarm On” or “Alarm Off.” The “Alarm On/Off Function” will operate if the unit is in the “On” state or the “Standby” state.

Using The Remote

- Press the ALARM ON/OFF Button to toggle the “Alarm On” or “Alarm Off.” The “Alarm On/Off Function” will operate if the unit is in the “On” state or the “Standby” state.

Note: When the alarm is “On” and the unit is in “Standby,” the display will show the “Alarm” icon.

The “Alarm Status” information is:
Time Set: 8:00 AM, Alarm: ON, Source: TONE.
Setting The Sleep Timer

Using The Console

- The 5th press of the SETTINGS Button will enable the “Sleep Settings.” Use the Adjust (Up/Down) Buttons to set the sleep settings. Choices are: 15, 30, 45…90 minutes.

Using The Remote

- Press the SLEEP Button to put the I-Sonic ES2 into “Standby” in up to 90 minutes as selected. Choices are: 15, 30, 45…90 minutes.

Bass, Treble, Backlight, Contrast & Input Gain

Using The Console

- The 1st press of the SETTINGS Button will enable the “Bass Settings.” Use the Adjust (Up/Down) Buttons to set the bass.
- The 2nd press of the SETTINGS Button will enable the “Treble Settings.” Use the Adjust (Up/Down) Buttons to set the treble.
- The 3rd press of the SETTINGS Button will enable the “Backlight Settings.” Use the Adjust (Up/Down) Buttons to set the backlight.
- The 4th press of the SETTINGS Button will enable the “Contrast Settings.” Use the Adjust (Up/Down) Buttons to set the contrast.
- The 5th press of the SETTINGS Button will enable the “Sleep Settings.” Use the Adjust (Up/Down) Buttons to set the sleep timer. Choices are: 15, 30, 45…90 minutes.
- The 6th press of the SETTINGS Button will enable the “Input Gain Settings.” Use the Adjust (Up/Down) Buttons to set the input gain.
- The 7th press will exit the “Setting Function” and save all changes.

Using The Remote

- When the unit is “On,” press the DISP Button to change the “Backlight Setting.”
- When the unit is in “Standby,” pressing the DISP Button will temporarily change the display brightness. The display will return to the brightness set by the “Backlight Setting” the next time you power “On” the system from standby or when the Alarm sounds.

Note: “Bass, Treble, Contrast & Input Gain Settings” cannot be changed from the remote.
Radio Reception & Antenna Tips

Even the best quality AM & FM tuners may have some difficulty receiving analog AM and FM signals as well as digital AM & FM HD Radio signals. Here are some tips for getting the best possible radio reception from your I-Sonic Entertainment System 2.

AM Radio

The I-Sonic ES2 has an external AM loop antenna. Be sure to connect the wire marked in white to the white marked terminal and the wire marked in black to the black marked terminal. Move the antenna around to find the best reception position. If your radio is located in a metal frame building, there may be no reliable way to receive AM radio broadcasts.

FM Radio

The quality of FM reception is affected by many factors such as distance, location of the radio transmission tower and your proximity to large buildings, mountains and other large objects. You will get better reception when the radio/antenna is placed high in the house. If you cannot get noise free reception of your favorite radio stations, use the supplied dipole external FM antenna.

In many cases simply draping the dipole antenna behind the radio or on the floor will yield good reception. For more distant stations or tough reception locations it is best to fully extend the dipole and secure it as high up a wall as is practical using push pins. Make sure that at least 18” of the feed line is perpendicular to the “arms.” The orientation of the dipole (East-West, North-South, etc.) will have some impact on the reception of some stations. A N-S orientation may work best for some stations while a NE-SW orientation may be better for other stations. Experiment with antenna orientation to find the position that works best before permanently installing the antenna.

In some cases a vertical alignment of the dipole antenna works best. Again, the feed line should be perpendicular to the “arms.” You can also try creating a loop with the “arms” of the dipole as illustrated. Shielded 75 Ohm dipole antennas (such as the C.Crane FM Reflect) are easier to use in a loop mode and may be more effective than the thin-wire dipole antenna supplied with the unit. Many people find old-fashioned “rabbit ear” antennas to be a good solution to reception problems. They are easily repositioned and “tuned” for the specific stations you want to receive.

Note: Amplified antennas may be useful for analog FM reception but actually degrade reception of HD Radio signals.

Rural Conditions

If you live far from radio transmitters you may not get the results you want with any in-door antenna. The very best option is an outdoor directional antenna specifically designed for FM with a rotor for aiming the antenna. If you already have a roof TV antenna you can tap into that although a specially designed FM antenna is better.

Urban Conditions

In the city, signal strength is less of an issue. The biggest impediment to good sounding FM in the city is Multipath distortion caused by signals bouncing off of buildings. HD Radio signals are immune from multipath problems and will sound great. Analog FM stations may be highly distorted because of Multipath. Careful aiming of a dipole, rabbit ear or roof antenna will help. Don’t be surprised if you have to aim the antenna in different directions for different stations. The best method for distortion free FM reception is a highly directional outdoor FM antenna with rotor.

Cable

Some cable TV companies broadcast FM signals on their cable systems. Check with your local cable provider before attempting to hook up your I-Sonic’s FM antenna jack to your cable system.
Trouble Shooting

If anything is missing or damaged, or if your I-Sonic ES2 fails to operate, notify your dealer immediately. We recommend keeping your original carton and packing materials in case you need to ship the unit in the future. Contact Polk Audio Customer Service 9am-6pm EST 1-800-377-7655 (Outside USA & Canada: 410-358-3600), or email polkcs@polkaudio.com.

<table>
<thead>
<tr>
<th>Problem</th>
<th>What To Do</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Does Not Function</td>
<td>• Make sure the power supply is connected to the I-Sonic ES2 and that the power cord is plugged into an operating electrical outlet.&lt;br&gt;• Press the On/Off to see if the display lights up.</td>
</tr>
<tr>
<td>No Sound</td>
<td>• Turn volume up. &lt;br&gt;• Press Mute. &lt;br&gt;• Check connection to AUX INPUT &amp; confirm that the external source (i.e. CD player) is “On.” &lt;br&gt;• Select a different source to determine if it works or if the problem is with all sources. &lt;br&gt;• Disconnect the headphones (Note: headphones mute the speakers).</td>
</tr>
<tr>
<td>Remote Not Working</td>
<td>• Move closer to the unit. &lt;br&gt;• Make sure battery is installed correctly. &lt;br&gt;• Change the battery in the remote.</td>
</tr>
<tr>
<td>Weak AM Reception</td>
<td>• Check connection of AM antenna. &lt;br&gt;• Move power supply away from unit. &lt;br&gt;• You may be in an area of weak AM signals.</td>
</tr>
<tr>
<td>Weak FM Reception</td>
<td>• Check the connection of the FM antenna. &lt;br&gt;• Try the dipole antenna. &lt;br&gt;  (See Radio Reception &amp; Antenna Tips on page 23.)</td>
</tr>
<tr>
<td>HD Radio Reception Fades In And Out</td>
<td>• HD Radio reception requires good FM reception. &lt;br&gt;  (See Radio Reception &amp; Antenna Tips on page 23.)</td>
</tr>
<tr>
<td>iPod Does Not Play</td>
<td>• Check the connections and verify you are using the correct adapter.</td>
</tr>
<tr>
<td>There Are No Songs In My Tag List</td>
<td>• They may have been transferred to you iPod. The list is deleted once the tags have been transferred to an iPod. &lt;br&gt;• Check that the Tag button is lit. (Note: You must have an HD Radio station playing in order to get the tag information).</td>
</tr>
</tbody>
</table>
Product Features

- HD Radio 2nd Generation Technology and the latest feature set including multicasting.
- iPod Dock—integrated into the top of the unit.
- S-Video & Composite Video Hookups.
- Universal Well—compatible with all docking iPods.
- Polk Audio Patented I-Sonic Speaker Technology allows stereo imaging on all sides of the entertainment system.
- Polk Audio Patented PowerPort® Bass Technology for impressive bass performance.
- LCD Display—Showing Artist, Title, Commercial fields.
- Remote Control for all radio functions, as well as for iPod.
- 30 Presets for AM/FM.
- Clock With Alarm & Sleep Timer.
- Aux Input for easy connection of other devices.
- Outputs—Video (Composite and S-Video), Analog Audio (fixed line out), headphone (mutes main speakers).
- Compact Size: 14.5" W x 9.75" D x 4.75" H

Maintaining Your I-Sonic ES2

- Use only a soft dry cloth to clean the system.
- Do not use any liquid cleaning solutions, solvents, chemicals, alcohol, ammonia, or abrasives.

Customer Service Hours of Operation

Monday-Friday, 9AM-6PM EST
polkc3@polkaudio.com
iPod Adapter Guide

Be sure to use the dock adapter that matches your iPod to ensure a proper fit and to prevent connector damage.

<table>
<thead>
<tr>
<th>Adapter Number</th>
<th>iPod Description</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>iPod mini</td>
<td>4GB &amp; 6GB</td>
</tr>
<tr>
<td>4</td>
<td>4G iPod &amp; U2 iPod</td>
<td>20GB</td>
</tr>
<tr>
<td>5</td>
<td>4G iPod</td>
<td>40GB</td>
</tr>
<tr>
<td>6</td>
<td>iPod photo &amp; Color U2 iPod</td>
<td>20GB &amp; 30GB</td>
</tr>
<tr>
<td>6</td>
<td>iPod with color display</td>
<td>20GB</td>
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<tr>
<td>7</td>
<td>iPod photo</td>
<td>40GB &amp; 60GB</td>
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<tr>
<td>7</td>
<td>iPod with color display</td>
<td>60GB</td>
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<tr>
<td>8*</td>
<td>iPod nano</td>
<td>2GB &amp; 4GB</td>
</tr>
<tr>
<td>9*</td>
<td>5G iPod (with video)</td>
<td>30GB</td>
</tr>
<tr>
<td>9*</td>
<td>U2 iPod with video</td>
<td>30GB</td>
</tr>
<tr>
<td>9*</td>
<td>iPod classic</td>
<td>80GB</td>
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<tr>
<td>10*</td>
<td>5G iPod with video</td>
<td>60GB &amp; 80GB</td>
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<tr>
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<td>iPod classic</td>
<td>160GB</td>
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<td>iPhone</td>
<td>4GB &amp; 8GB</td>
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<td>iPod nano (3rd generation)</td>
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<td>iPod touch</td>
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<td>15</td>
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<tr>
<td>17*</td>
<td>iPod touch (4th generation)</td>
<td>8GB &amp; 16GB</td>
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*Supplied with iPod.
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Entertainment System 2
Owner’s Guide