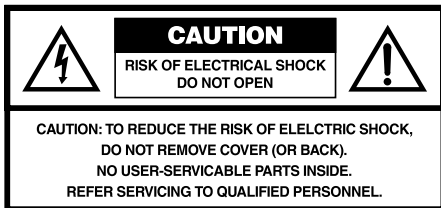


## IMPORTANT SAFETY INSTRUCTIONS

The iBall Wireless Stereo Speaker with Transmitter Dock for iPod is designed to give you years of service if handled properly. Ensure that you heed all warnings to minimize product malfunction and reduce the chances of incurring personal injury. Before using the unit, observe the following guidelines to ensure proper care and maintenance.



The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

To prevent fire or shock hazard, do not use this plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

### READ INSTRUCTIONS

All safety and operating instructions should be read and followed before operating the product and should be retained for future reference. All warnings on the product and in the operating instructions should be adhered to.

### CLEANING

Unplug all adapters and cables from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

### ATTACHMENTS

Do not use attachments not recommended by Oregon Scientific as they may cause hazards.

### WATER AND MOISTURE

Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink or laundry tub; in a wet basement; or swimming pool; and the like.

### ACCESSORIES

Take care when placing the product on an unstable cart, stand, tripod, bracket or table. Quick stops, excessive force and uneven surfaces may cause the system to overturn and fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by Oregon Scientific, or sold with the product.

### VENTILATION

Slots and openings in the product are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings should never be blocked or covered by placing the product on a bed, sofa, rug or other similar surface. The product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or Oregon Scientific's instructions have been adhered to.

### HEAT

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

### POWER SOURCES

The system should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your Oregon Scientific dealer or local power company. For products intended to operate battery power, or other sources, refer to the operating instructions.

### GROUNDING OR POLARIZATION

The product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. The product may be equipped with a 3-blade grounding-type plug, a plug having a third (grounding) pin. This plug should only fit into a grounding-type power outlet.

Both plugs are safety features of the product. If either plug is unable to fully insert into its respective outlet, try reversing the plug. If the plug should still fail to insert, contact your electrician to replace the obsolete outlet. Do not defeat the safety purpose of the polarized or grounding-type plug.

### POWER-CORD PROTECTION

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

### PROTECTIVE ATTACHMENT PLUG

The product is equipped with an attachment plug having overload protection. This is a safety feature. See user manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by Oregon Scientific that has the same overload protection as the original plug.

## OUTDOOR ANTENNA GROUNDING

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI / NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

## LIGHTNING

For added protection for the system during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect any cables. This will prevent damage to the system due to lightning and power-line surges.

## POWER LINES

An outside antenna system should not be located near any overhead power lines or other electric light or power circuits, or when 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.

## OVERLOADING

Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

## OBJECT AND LIQUID ENTRY

Never push objects of any kind into this product through the openings as they may touch dangerous voltage points or short-out parts that could result in fire or electric shock. Never spill liquid of any kind on the product.

## DAMAGE REQUIRING SERVICE

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Unplug the system from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord, plug or cables have been damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the system has been exposed to rain or water.
- If the system 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.
- If the system has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance - this indicates a need for service.

## REPLACEMENT PARTS

When parts need replacing, ensure the authorized service center uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock or other hazards.

## SAFETY CHECK

After repairs or service, ask the authorized service center to perform safety checks to confirm that the unit is in proper working condition (if you have the product serviced, remember to bring the entire system so the authorized service center may have access to all the necessary components in the system).

## WALL MOUNTING

The product should be mounted to a wall only as recommended by Oregon Scientific.

## MAINTENANCE

- Do not subject the product to extreme impact, shock or fluctuations in humidity.
- Do not make any changes or modifications to the product. Unauthorized changes may void your right to use the product and invalidate the warranty.
- Do not tamper with internal components or attempt to service the product yourself. If any electronic circuitry is exposed, do not, under any circumstances, touch the circuitry as there is a danger of electric shock.
- The unit should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the unit.
- Do not scratch hard objects against the LCD as the surface can be easily damaged. Take special care when handling a damaged LCD, as the liquid crystals can be harmful to your health.
- Do not use or store the unit in locations that may adversely affect the product such as rain, snow, moisture, dust or desert. Keep your player in a dry, well-ventilated place to prevent it from molding.
- Do not place this unit in direct sunlight for long periods. This may deform or discolour the cabinet and may cause malfunction.
- Keep this unit away from strong magnetic fields. Exposure to magnetic fields may cause a loss to the wireless signal reception or even damage the unit's internal circuitry.
- Stains on the unit should be wiped off with a soft, lint-free cloth. If the unit is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean. Remember to unplug the unit from the wall outlet before cleaning.
- Never use alcohol, solvent, aerosol cleaners, chemical, paint thinner or benzene to clean the unit.
- The speaker grill requires no special care, although you may pull the grill out from the unit and clean or vacuum the individual grill holes carefully if necessary.
- The temperature around the center unit must be between 5°C and 35°C (41°F and 95°F). Operating the unit in temperatures outside this range will increase the risk of damage and malfunction.

- Ensure the equipment is installed near a socket-outlet and easily accessible.
- Protect the cables from being walked on or pinched particularly at plugs, receptacles, and the point where they exit from the product.
- Do not run power cords under rugs or carpets or place heavy objects on them.
- When unplugging the AC adapters from the wall outlet or unplugging any cables from the speaker or Transmitter, always pull the plug or connector, not the cord.
- Ensure the cables are correctly connected. Improper connections may damage the system due to short-circuiting.
- Listening to music at high volume for long periods of time may damage your hearing. Keep the volume at a moderate level.
- The technical specifications for this product and the contents of the user manual are subject to change without notice.

**NOTE** Under environments where there is electrostatic discharge, radio frequency interference and / or AC power line exhibiting radio interference, the unit may malfunction and resume normal operation only when interference stops. In some cases, the unit may require a manual reset by the user to resume normal operation.



## **iBall Wireless Stereo Speaker with Transmitter Dock for iPod**

**Model: IB368**

### **USER MANUAL**

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## INTRODUCTION

Thank you for purchasing the Oregon Scientific iBall Wireless Stereo Speaker with Transmitter Dock for iPod (IB368). The iBall is an ultra-portable wireless speaker and transmitter dock combination made for the following Apple® iPod digital music players:

- iPod shuffle™ (512MB, 1GB only)
- iPod mini (4GB, 6GB only)
- iPod with Click Wheel (20GB, 40GB only)
- iPod with dock connector (10GB, 15GB, 20GB, 30GB, 40GB only)
- iPod with color display (20GB, 30GB, 40GB, 60GB only)

Simply plug the iPod into the transmitter dock, which wirelessly transmits audio generated by the player to the speaker for playback. The iPod's basic playback functions can be controlled directly from the speaker. There is no need to connect any cables or wires to the speaker, so it can be conveniently placed almost anywhere in the home.

The multifunctional transmitter dock acts as a docking, charging and synchronization station, allowing the iPod's batteries to be recharged directly from the transmitter dock. The transmitter dock also lets you transfer music files between iPod and computer.

Other features include:

- Wireless transmission using 2.4GHz digital radio frequency at a range of up to 30 meters (approx. 100 feet) in open space
- Total power output of 6W
- Rechargeable batteries can be recharged directly from within speaker
- Adjustable bass and treble controls
- 2-color LCD backlight for easy viewing
- Real-time clock
- Wall mount unit for speaker
- Unique, portable, go-anywhere design

## GETTING STARTED

### UNPACKING

When you unpack your iBall, make sure to keep all the packing materials in a safe place, in case you need to later return it for servicing. In this box you will find:

- Wireless speaker
- Transmitter dock
- Docking tray x 7
- 9V / 2A AC adapter for wireless speaker
- 9V / 800mA AC adapter for transmitter dock
- Rechargeable batteries x 6
- Battery cap to enable battery recharging x 1
- Wall-mount unit
- Screws for wall-mount unit x 4
- Allen key
- Lint-free cloth
- User manual
- Quick start guide

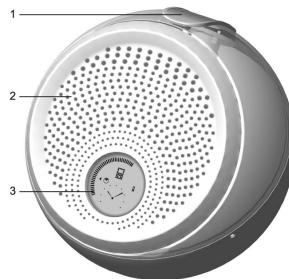
**NOTE** Please observe the local regulations regarding the disposal of packing materials, dead batteries and old equipment.

**NOTE** This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

## PRODUCT OVERVIEW

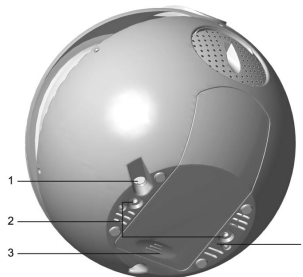
### WIRELESS SPEAKER

#### FRONT VIEW



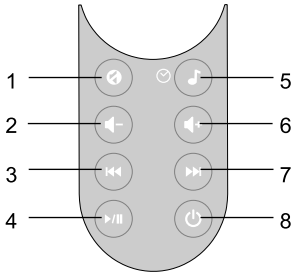
1. Control panel
2. Speaker grill
3. LCD display

#### BACK VIEW



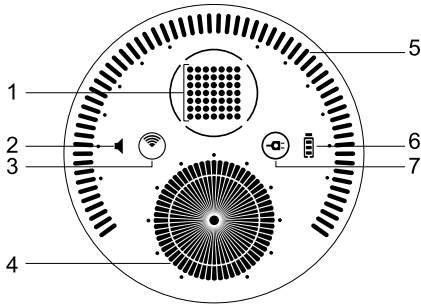
1. DC IN jack
2. Screw holes for wall mount
3. Battery compartment
4. Reset

## CONTROL PANEL



1. Mute
2. Volume down
3. Previous track / rewind
4. Play / Pause
5. Sound mode / clock set
6. Volume up
7. Next track / fast-forward
8. Power On / Off

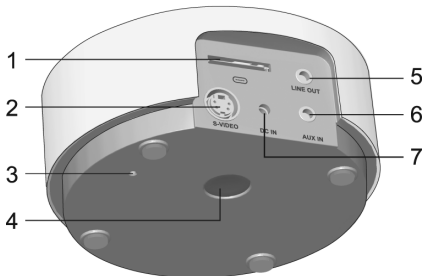
## LCD DISPLAY



1. Playback / battery / docking status
2. Mute on / off
3. Reception status
4. Clock
5. Volume / bass and treble status bar
6. Charging indicator / battery status
7. AC plug indicator

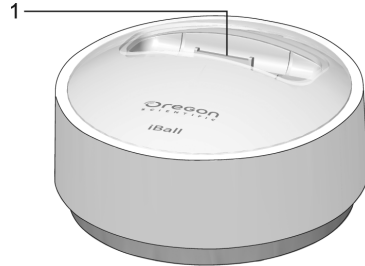
## TRANSMITTER DOCK

### BOTTOM VIEW



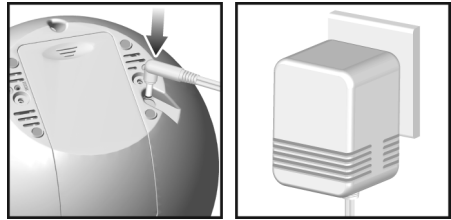
1. 30-pin jack (for connecting to a computer via Apple iPod Dock Connector cable)
2. S-Video output (for iPod with color display only)
3. RF mating button
4. Docking tray release button
5. Line-out jack (Composite Video + Audio L/R out)
6. Aux-in jack
7. DC IN jack


### TOP VIEW



1. iPod connector

## USING THE WIRELESS SPEAKER ADAPTER



1. Connect the 9V / 2AAC adapter into the DC IN 9V jack on the wireless speaker as shown in the diagram.
2. Plug the AC adapter into an electrical socket.  appears on the LCD.

**TIP** Using the AC adapter will help save batteries.

**NOTE** Always use the supplied AC adapter that is designed specifically for the speaker only. Using any other AC adapter may cause the unit to malfunction and increase the risk of fire or injury.

**NOTE** Should you notice any abnormality in the speaker AC adapter, disconnect it from the electrical socket and speaker immediately and take it to a qualified Oregon Scientific dealer for servicing.

## INSTALLING THE WIRELESS SPEAKER BATTERIES

While use of the AC adapter to operate the speaker will help save batteries, the option to use batteries provides

added flexibility and portability to move and place the unit almost anywhere without being restricted by cables.

The speaker requires 6 "C-size" rechargeable batteries (supplied) or alkaline batteries (not supplied).

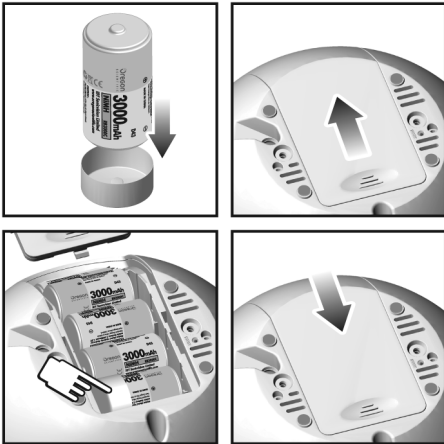
**NOTE** In a non-controlled environment, many factors affect battery life, such as volume, LCD backlight and temperature. When batteries are not used for a long period of time, remove them to save battery power.

**NOTE** Do not use different types of batteries together or mix new batteries with old ones. When any of the batteries are depleted, replace all batteries with new ones.

**RECHARGEABLE BATTERIES**

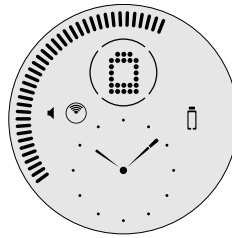
**NOTE** For best performance and safety, use only the Oregon Scientific 3000mAh rechargeable batteries supplied with the iBall. Using other brands or types of rechargeable batteries may damage the unit.

1. Select any 1 of the 6 Oregon Scientific rechargeable batteries and fit the supplied battery cap over the top of the "-" terminal.
2. Open the battery compartment cover.
3. Place the battery with cap into the specified battery slot of the battery compartment and insert the remaining 5 batteries according to the correct polarity indicators.
4. Close the battery cover.



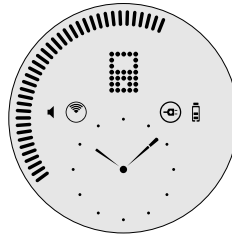
Rechargeable batteries can be recharged directly within the speaker if the AC adapter is plugged in. The batteries recharge automatically to maintain optimum operating capacity.

If batteries run low on power and AC adapter is not plugged in:



- does not appear.
- appears.
- blinks and toggles with (iPod docked) or (iPod undocked).

If batteries run low on power and AC adapter is plugged in:



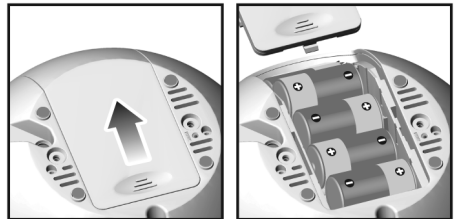
- appears to show speaker is being operated by AC power.
- Alternating icons blink to indicate batteries are recharging. disappears when batteries fully charged.
- or appears.

Rechargeable batteries take approximately 16 hours to recharge.

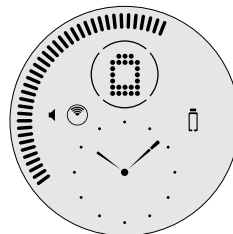
**ALKALINE BATTERIES**

1. Open the battery compartment cover.
2. Insert the alkaline batteries into the battery compartment according to the correct polarity indicators.
3. Close the battery cover.

**CAUTION** Do not use the battery cap if the speaker is powered by alkaline batteries. Doing so may increase the risk of fire, personal injury, or damage to the speaker.

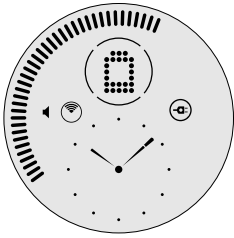


If batteries run low on power and AC adapter is not plugged in:



- does not appear.
- appears.
- blinks and toggles with or .

If batteries run low on power and AC adapter is plugged in:

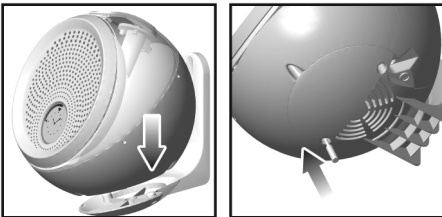


- appears to show speaker is being operated by AC power.
- does not appear.
- or appears.

## WALL MOUNTING THE SPEAKER (OPTIONAL)

The speaker is equipped with rubber supports to give your unit a stable base while placed on a flat surface.

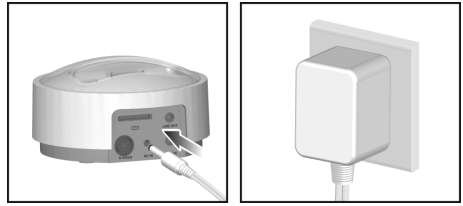
**NOTE** Placement of this product on wood surfaces with certain types of finishes, such as clear varnish, may result in damage to the finish. Consult the furniture manufacturer's care instructions for direction as to the types of objects that may safely be placed on the wood surface. Oregon Scientific shall not be responsible for any damage to wood surfaces from contact with this product.



Fix the location of your speaker against the wall using the supplied allen key, L-shaped wall-mount unit and 4 screws:

1. Position the wall-mount unit's vertical panel onto the area of the wall where you would like to hang the unit.
2. Secure the 15 mm (0.6 in) screws into the corresponding holes of the vertical panel until it is firmly fixed against the wall.
3. Place the speaker onto the horizontal panel of the wall-mount unit, making sure to align the 2 screw holes of the horizontal panel with those of the speaker.
4. Insert the remaining two 10mm (0.4 in) screws into the aligned holes and secure the speaker onto the horizontal panel. The wall-mount unit and speaker should be securely fixed in place.

## USING THE TRANSMITTER DOCK ADAPTER



1. Connect the AC adapter connector into the DC IN 9V / 800mA jack at the back of the transmitter dock.
2. Plug your AC adapter into an electrical socket.

**NOTE** Always use the supplied AC power adapter that is designed specifically for the transmitter dock only. Using any other AC power adapter may cause the unit to malfunction and increase the risk of fire or injury.

**NOTE** Should you notice any abnormality in the transmitter dock AC adapter, disconnect it from the electrical socket and transmitter dock immediately and take it to a qualified Oregon Scientific dealer for servicing.

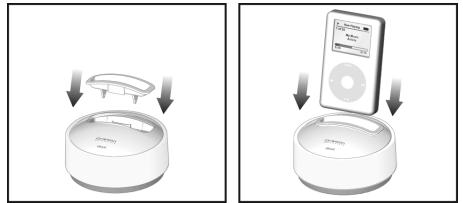
## DOCKING THE IPOD

The transmitter dock acts as a docking station for different versions of the iPod:

1. Insert the appropriate docking tray intended specifically for use with your iPod model into the transmitter dock.

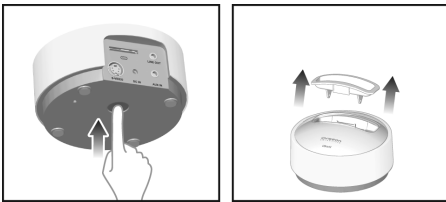


**TIP** View the engraving at the bottom of each tray, which contains an iPod description and / or size of internal hard disk to ensure that you correctly match the appropriate tray for your iPod.



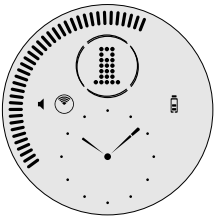
2. Insert the iPod into the docking tray. Make sure to align the docking tray's connectors with the iPod connection slot.






- To remove a docking tray from the transmitter dock, first undock the iPod, then press the release button at the bottom of the transmitter dock.

**NOTE** The tray for the iPod shuffle is not supplied and must be purchased separately.








**NOTE** When the shuffle is docked,  appears on the speaker LCD. The speaker cannot control the shuffle's functions, which must be controlled from the player itself. Adjusting the shuffle's volume from the unit directly affects the speaker's volume.

#### CHARGING THE IPOD BATTERY

Once the iPod is docked, its battery begins charging automatically if the transmitter dock AC adapter is plugged into the wall socket.

#### UPGRADING IPOD SOFTWARE

If the iPod does not function or respond properly when docked into the transmitter dock, in which case, you may need to update the software on your iPod to ensure optimal playback performance and proper functioning with the iBall. The following iPod software versions will work with the iBall:

IPOD MODEL	SOFTWARE VERSION
 iPod shuffle (512MB, 1GB only)	1.1 or later
 iPod mini (4GB, 6GB only)	1.2 or later
 iPod with Click Wheel (20GB, 40GB only)	3.0 or later
 iPod with dock connector (10GB, 15GB, 20GB, 30GB, 40GB only)	2.2 or later
 iPod with color display (20GB, 30GB, 40GB, 60GB only)	1.0 or later

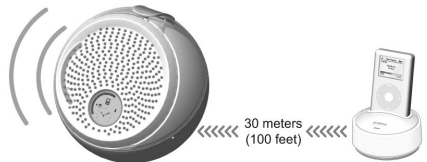
Go to the Apple website to download the software update that corresponds with your iPod model.



#### BASIC SPEAKER OPERATION

**TIP** For best performance, the speaker and transmitter dock should be placed at least 1 meter apart with a range of up to 30 meters.

**CAUTION** To avoid being exposed to any radio frequency emission, the speaker and transmitter dock should be placed at least 20 cm (8 in) away from nearby persons.



The speaker's volume, mute / unmute, and bass and treble sound effects are controlled from the speaker itself. The iPod's basic functions - play / pause, previous / next track and fast-forward / rewind - are controlled from the player itself but can also be conveniently controlled from the speaker wherever it is placed in the home without having to go to the iPod to adjust these settings.




The iPod playlist appears on the iPod display  and appears on the speaker's LCD if the speaker and iPod are powered on, the transmitter dock is plugged in, and the iPod is docked onto the transmitter dock. Press the speaker's  button to begin music playback.


**TIP** See section on "SETTING UP iBALL CONNECTIONS" for more information on configuring different audio and video connections.

#### POWER ON / OFF

To turn on the speaker, press the  button located on the unit's control panel. The volume bar, speaker icon, clock, and playback / battery status all appear on the LCD. The LCD backlight turns on and the  reception icon should also appear.

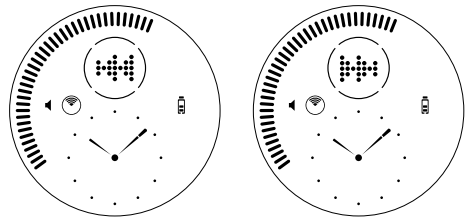
If  does not show on the display, that means the reception signal is interrupted or the speaker is out of range of the transmitter dock. If the playback / battery status icon disappears and there is no audio playback, see section on "TROUBLESHOOTING" for more information.

Playback status depends on whether the iPod is docked to the transmitter dock:

- If the iPod is not docked,  appears on the speaker display and the speaker is in standby mode.

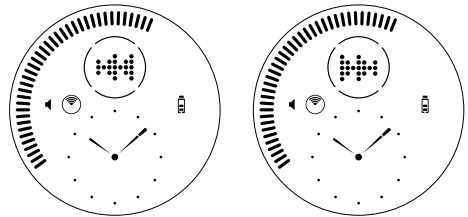
## NEXT / PREVIOUS AND FAST-FORWARD / REWIND

### NEXT / PREVIOUS



During playback, press the ◀◀ or ▶▶ button once to go back to the previous track or advance to the next track for playback. ■■■■ or ■■■■ briefly appears on the display, respectively, before returning to ■■■■.

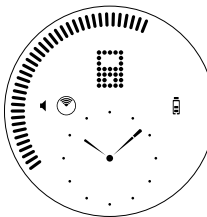
### FAST-FORWARD / REWIND



Press and hold the ◀◀ or ▶▶ button to rewind or fast-forward to an earlier or later location within a currently played track. ■■■■ or ■■■■ appears on the display, respectively, until the desired track location is reached. ■■■■ reappears.

**NOTE** Pressing the ◀◀ or ▶▶ button when the iPod is paused will still allow you to fast-forward / rewind a track or go to the next / previous track.

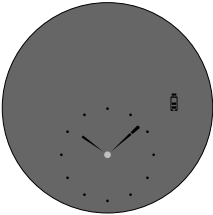
### VOLUME



To increase volume during playback, unit is on idle or paused playback, press the ◀+ button once. To continuously increase volume, press and hold the ◀+ button down until the desired volume level is reached.

**NOTE** Do not turn up the volume while listening to a portion of audio with very low-level inputs or no signals. If you do, the speaker may become damaged when a peak level portion is played.

- If the iPod is docked and playing music, ■■■■ appears on the speaker display with the speaker playing back music from the iPod.
- If the iPod is docked and is paused, ■■■■ appears on the speaker display and the speaker is in standby mode. Press the speaker's ▶|| button to start playing music from the iPod. ■■■■ appears briefly on the speaker display before ■■■■ reappears.



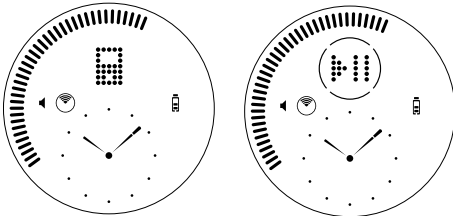
To power off the speaker, press the ⏻ button again. The clock continues to function and appropriate the battery / AC adapter indicator remains on the LCD even when the speaker is turned off.

**NOTE** The iPod automatically shuts down after the speaker is powered off.

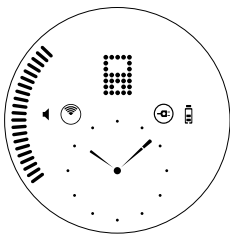
**NOTE** The iPod does not need to be docked to the transmitter dock to power on or off the speaker.

**TIP** When left unused for a long period of time, the unit should be unplugged from the electrical socket. If you are using batteries to operate the wireless speaker, remove them to save battery power.

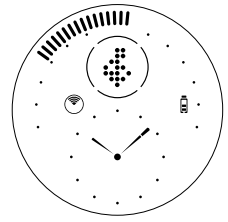
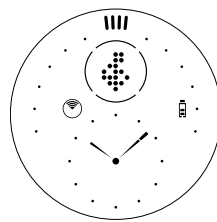
### PLAY / PAUSE



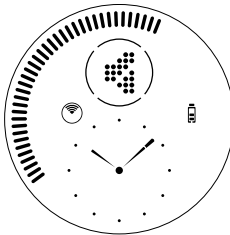
1. If the speaker is powered on but is on pause (or in standby mode), press the ▶|| button and the docked iPod begins audio playback. ■■■■ is briefly shown before ■■■■ appears on the speaker LCD.
2. Press the ▶|| button again to pause. ■■■■ is briefly shown on the display before ■■■■ reappears.





To decrease volume, press the **⏮** button once. To continuously decrease volume, press and hold the **⏮** button down until the desired volume level is reached.



## MUTE




- To mute the sound of the wireless speaker during playback, press the **⏸** button.  appears on the LCD.
- To deactivate the mute function, press the **⏸** button again.  reappears.

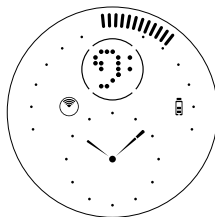
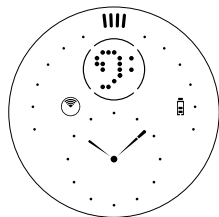
**TIP** If you increase (or decrease) the volume while the speaker is on mute, the Mute function will deactivate and audio playback can be heard again.


## BASS AND TREBLE

Adjusting the wireless speaker's bass and treble settings allows the device to playback audio with a different range of sound and tonal effects.

### ADJUSTING BASS

- Press the **🎵** button once during playback or when speaker is on idle or pause.  appears on the LCD.
- Use the **⏮** / **⏭** buttons to increase or decrease the bass. To continuously increase or decrease the bass, press and hold the **⏮** / **⏭** button down until the desired bass level is reached. The volume / bass and treble bar decreases or increases accordingly.



- Press the **🎵** button again.  appears on the LCD.

### ADJUSTING TREBLE

- Use the **⏮** / **⏭** buttons to increase or decrease the treble. To continuously increase or decrease the treble, press and hold the **⏮** / **⏭** button down until the desired treble level is reached.

- Press the **🎵** button once to exit.

**NOTE** "Auto quit" activates when idle for more than 10 seconds.

## SETTING THE CLOCK

**NOTE** The clock can only be adjusted by minute increments and not by hour increments, and when the system is powered off.

- Ensure the speaker is powered off. Press the **⏸** button. Both hands on the clock will flash and the display's blue backlight turns on.
- Use the **⏮** / **⏭** buttons to set the time: press the **⏮** button once to advance the clock by 1 minute and press the **⏭** button to turn the clock back by 1 minute. Press and hold the **⏮** / **⏭** buttons down to set the time faster.
- Press the **⏸** button to confirm the newly set time and exit the clock setting mode. The backlight turns off.

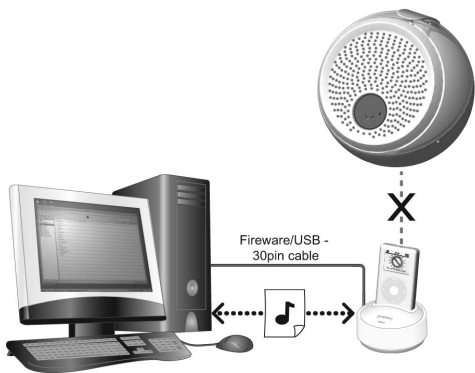
**NOTE** No other buttons can be pressed while the setting clock function is on. "Auto quit" activates when the function is idle for more than 10 seconds; the last time that was set prior to idling is not saved.

**NOTE** The clock will show on the LCD regardless of whether your wireless speaker is powered on or off.

## SYNCHRONIZING WITH THE COMPUTER

Once the iPod is docked into the transmitter dock, the iPod synchronizes with a computer and music (and photos with iPod with color display) files can be transferred from computer to the iPod.

- Power off the iBall speaker.
- Plug one end of the Apple iPod Dock Connector cable that is supplied with the iPod to the transmitter dock's 30-pin jack and the other end (Firewire or USB connector) to the computer. The iPod synchronizes with your computer. Use Apple iTunes® or other software on your computer to transfer music files to the iPod.
- After file transfer is complete, unplug the Dock Connector cable from the iPod and press any button on the iPod to turn on the unit.
- Operate the iPod and iBall speaker as normal.



## SETTING UP iBALL CONNECTIONS

The speaker and transmitter dock can be connected to different audio sources and video output devices while the iPod remains docked to the transmitter dock, allowing for flexible ways to playback music and photos (iPod with color display).

### AUDIO CONNECTION

#### TRANSMITTER DOCK LINE-OUT

The transmitter dock's line-out jack (Composite Video + Audio L/R out) allows a secondary audio source such as the Oregon Scientific Music Element 2.1 CD Micro System to be connected. This allows music from the docked iPod to playback on Music Element's speakers at the same time as the iBall speaker.



1. Use a red-white audio cable and connect the red-white connectors to the AUX-IN jacks of the secondary audio source.

**TIP** Your secondary audio source may only have line-in jacks available, in which case a standard stereo cable can be used to connect to the transmitter dock.

2. Plug the other end of the cable (stereo connector) to the transmitter dock line-out jack.
3. Set the secondary audio source to "AUX" (auxiliary) mode. If music is already playing back from the iBall speaker, music will begin playback from the speakers of the secondary audio source.
4. Instead of having to go to the iPod to control its play / pause and previous / next track functions, they can be adjusted directly from the iBall speaker (with the exception of the iPod shuffle, since its functions can only be controlled directly from the unit itself).

**TIP** The iPod, iPod mini, iPod shuffle and iPod with color display can use a line-out connection to enable music playback on secondary audio source.

#### TRANSMITTER DOCK AUX-IN

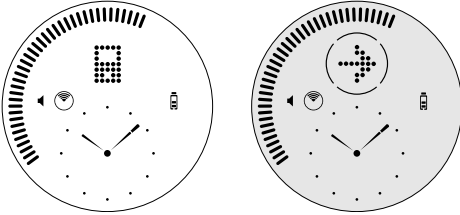
The transmitter dock's aux-in jack allows a secondary audio source to be connected, allowing you to switch between listening to audio from the iPod or the secondary audio source at anytime.



1. Use a red-white audio cable and connect the red-white connectors to the audio-out jacks of the secondary audio source.

**TIP** Your secondary audio source may only have line-out jacks available, in which case a standard stereo cable can be used to connect to the transmitter dock.

2. Plug the other end of the cable (stereo connector) to the transmitter dock AUX-in jack.
3. The iPod docked to the transmitter dock is selected as the audio source by default. To switch to the secondary audio source during playback, press and hold the iBall speaker ►/|| button for 3 seconds.



**TIP** Before switching to the secondary audio source, press the ►/|| button on the iPod or speaker to pause playback. This allows you to resume playback of the same track when switching back to the iPod as the primary audio source.

The color of iBall speaker's LCD backlight, which is blue when the playback source is the iPod, changes to green. ■■■■ appears to indicate the switch to the secondary audio source. Music from the external source is played back from both the secondary audio source speakers and the iBall speaker. Settings such as volume, and treble and bass remain unchanged.

4. To switch back to the iPod (which is either paused or playing music), press the speaker ►/|| button once.

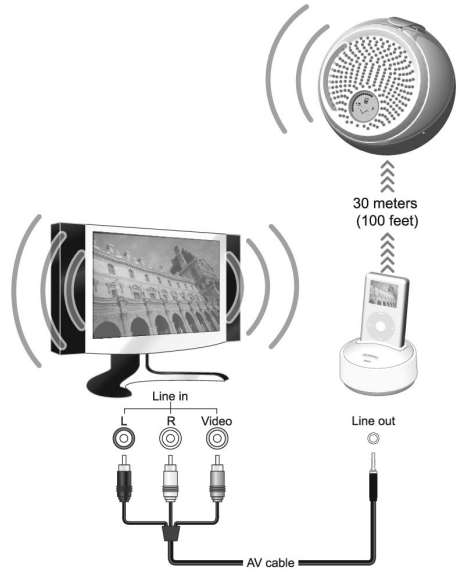
**NOTE** Functions of the secondary audio source cannot be controlled or adjusted by the speaker.

**NOTE** Each time the speaker and iPod are powered on, the iPod becomes the default audio source even though a secondary audio source is connected to the transmitter dock.

## VIDEO CONNECTION

The iPod with color display provides the option of not only music playback but also the ability to view photos stored on the device through a video output device such as a TV.

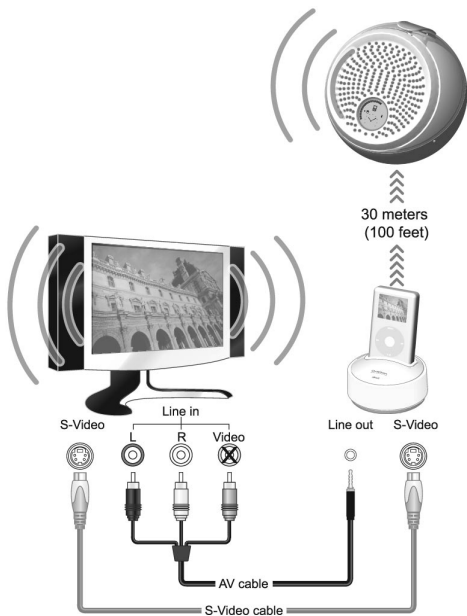
## TRANSMITTER DOCK LINE-OUT



1. Use a red-white-yellow audio-video cable and connect the red-white-yellow connectors to the line-in jacks of the output device.
2. Plug the other end of the cable (stereo connector) to the transmitter dock line-out jack.
3. From the iPod with color display, choose whether to view photos individually or as a slideshow and if the output device comes with speakers, select music to playback.

## TRANSMITTER DOCK S-VIDEO AND LINE-OUT

The transmitter dock has an S-Video output jack to accommodate output devices such as TVs that have an S-Video connector. Using S-Video is recommended over composite video because S-Video provides sharper, better quality images than composite video.

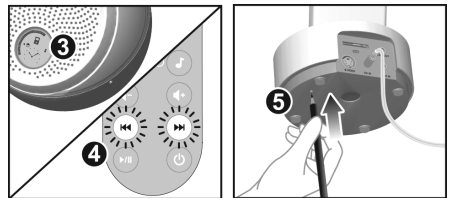


within a 30-meter range (approx. 100 feet) is nearby whose radio frequency transmission signals jam with your iBall's signals.

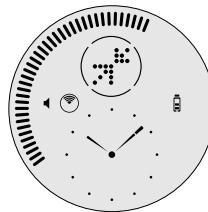
To eliminate signal jamming, follow the procedures below to set the RF mating function between the speaker and transmitter dock.


**NOTE** The entire RF mating process must be completed within 20 seconds in order for the speaker and transmitter dock to function properly, otherwise the process has likely timed out and will need to be restarted.

1. Disconnect all secondary audio sources or video output devices from the transmitter dock although you may choose to leave the iPod docked onto the transmitter dock.
2. Leave the AC adapter connected to the transmitter dock. If the adapter is not plugged in, connect it to the transmitter dock.
3. Designate the speaker to start the RF mating process. Plug in the speaker's AC adapter if batteries are not used.





4. Power on the speaker and from its control panel, press and hold both the **⏮** and **⏭** buttons for 3 seconds.



The LCD backlight on the iBall speaker turns off (the speaker itself remains on).  appears and blinks during the RF mating process.

5. Press the RF mating button located at the bottom of the transmitter dock.

Once RF mating is successfully completed, the LCD backlight lights up with status icons appearing that indicate whether the iPod is docked onto the transmitter dock.

- If iPod is not docked,  appears.
- If iPod is docked,  appears.

1. Use a red-white-yellow audio cable and connect the red-white connectors to the line-in jacks of the output device. The yellow (composite video) connector does not need to be connected.
2. Plug the other end of the cable (stereo connector) to the transmitter dock line-out jack.
3. Use an S-Video cable and plug each end to the respective video output device and transmitter dock S-Video jacks.
4. From the iPod with color display, choose whether to view photos individually or as a slideshow and if the TV comes with speakers, select music to playback. The iPod with color display play / pause track and previous / next track or photo functions are adjusted directly from the player itself.

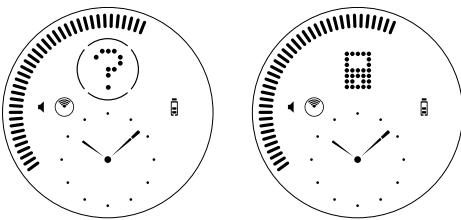
**NOTE** Controlling iPod functions from the iPod itself during a video connection does not influence what is shown on the speaker's LCD.

**TIP** Under both video connection scenarios, the speaker can remain powered on and iPod music will playback. But if the speaker is operating on batteries, turn off the speaker to conserve power.

## RECOGNIZING WIRELESS SIGNALS

The iBall speaker and transmitter dock is manufactured preset to automatically recognize each other wirelessly during operation through a process called "RF mating".

However, there are certain occasions when signal jamming can occur, for example when a second iBall



**NOTE** Depending on the nature and strength of signal jamming, the process may need to be repeated several times before RF mating is successful.

## TROUBLESHOOTING

Use this troubleshooting guide to help you remedy any difficulties you may be experiencing while using the iBall. Should any problem persist after you have checked these symptoms, consult your nearest Oregon Scientific dealer.

### Why does the wireless speaker not power on at all?

Ensure the power cord is firmly plugged into the power outlet. On the rare occasion, the unit may not operate due to data signal interference or static electricity. Turn the power off and unplug the unit from the power outlet briefly, and then plug it in again so it will reset itself and turn the speaker on.

### Why does the power keep turning off after turning on?

The batteries may have run out of power or are not correctly aligned with their polarity. For alkaline batteries, re-install checking the polarity; if the unit still does not operate, insert new alkaline batteries into the unit.

For rechargeable batteries, plug the AC adapter so the speaker can operate on AC power and recharge the depleted batteries.

### How do I eliminate the severe hum, distortion or noise that is coming from the wireless speaker?

The speaker may be positioned too closely to the audio source, such as a TV or radio. Move the speaker at least 1 meter (approx. 3 feet) away from the source.

Check that the speaker's position and connections are clear of any strong magnetic fields or radio frequencies such as Bluetooth, wireless LAN, microwaves or fluorescent light, which may interfere with reception. Similarly, make sure the speaker is not placed near any 2.4GHz DECT phones or mobile phones, whose frequencies can interfere with wireless transmission between the remote control device and speaker.

The plugs and jacks may be dirty, affecting the connections and thus causing sound distortion. Wipe clean. In some cases, volume might not be appropriately adjusted. Adjusting the volume will help to clear any hum or distortion.

There may be excess moisture condensed inside the speaker or on the speaker grill that might affect the unit's ability to produce audio, especially after turning on



heating in the room, if the room is damp, or if the speaker is brought directly from a cold to a warm place. In this case, leave the system turned off for a few hours until moisture evaporates, unplug the AC power cord and then plug it in again.

Alternatively, press the **RESET** button at the bottom of the speaker to reset the unit and check to see if the unit resumes operation.

### How do I eliminate signal jamming?

Signals transmitted from devices such as a second iBall nearby may jam with signals transmitted from the transmitter dock to speaker. If signal jamming occurs, follow the procedures outlined in the "RECOGNIZING WIRELESS SIGNALS" section to set the RF mating function between the speaker and transmitter dock.

### The wireless speaker is powered on but why is it not emitting any sound?

Check to ensure the power is on and increase the volume. If there is still no sound, check to see if  is lit on the LCD. If it is, press the  button on the speaker control panel to unmute the speaker.

Data signal interference or static electricity may disrupt the signal reception from the audio source. Power off the speaker, wait a few seconds, and turn the unit back on. Alternatively, press the **RESET** button at the bottom of the speaker to reset the unit.

### Why is the wireless speaker not responding when the buttons are pressed?

Remove and reconnect the AC power plug or reinsert the batteries and switch the speaker on again, checking that the power is on. If there is still no response, the speaker's control panel membrane may be damaged. Take the unit to a qualified Oregon Scientific dealer for servicing.

Alternatively, press the **RESET** button at the bottom of the speaker to reset the unit.

### Why are the rechargeable batteries not charging?

The correct AC adapter should be plugged into the wireless speaker.

Ensure that a battery cap must be placed on top of the "-" terminal of a battery. The battery with the cap must be positioned into the specified battery slot of the battery compartment with the other batteries installed as normal. Do not use the battery cap if the speaker is powered by alkaline batteries. Doing so may increase the risk of fire, personal injury, or damage to the speaker.

When placing the batteries into the compartment, make sure to correctly align the polarities.

### My iPod is docked to the transmitter dock but why is nothing happening?

The iPod may not be inserted properly into the transmitter dock. Remove the iPod and reinsert, making sure to correctly align its pin connectors with those of the transmitter dock. Or, the docking tray inserted into the

transmitter might not match your iPod model. Remove and make sure to use the correct tray instead.

If attempting to synchronize the iPod with the computer, ensure the cable supplied with the iPod is connected firmly to the transmitter dock and computer.

**The iBall is functioning properly and the audio / video connections are set up correctly. But why is iPod not responding even though it is docked?**

The iPod may need to be reset. You may also upgrade the iPod's software. See section on "UPGRADING IPOD SOFTWARE" for more information.

A docked iPod with color display in slideshow mode may not respond to commands from the iBall speaker, i.e., the iPod remains in battery charging mode. To resolve this issue, press any button on the iPod so that it "wakes up" and exits slideshow mode, then go back to the main menu screen. Power on the iBall speaker to regain control of the iPod.

## SPECIFICATIONS

TYPE	DESCRIPTION
Dimensions (W x H x D)	Wireless speaker: 203 x 187 x 196 mm (8 x 7.4 x 7.7 inches)  Transmitter dock: 108 x 107 x 57.9 mm (4.3 x 4.2 x 2.3 inches)
Radio transmission	Range of 30 meters (approx. 100 feet) in open space
Amplifier output	6W (1.5W x 2; 3W for subwoofer)
Audio system	THD: 0.5% at 1kHz S/N ratio: 60dB Channel separation: 35dB Level balance: +/- 3dB
Power sources	110V/60Hz or 230V/50Hz (AC) adapter 6 x C-size batteries 6 x 3000mAh 1.2V rechargeable batteries
Battery life	Alkaline: 16 hours of continuous use Rechargeable: 8 hours of continuous use
Wireless audio transmission	2.4GHz digital transmission for stereo audio
Sound features	Equalizer (Bass, Treble in steps from -6 to +6)
Speaker system	2 stereo tweeters and 1 subwoofer by magnetic shield driver

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## FCC STATEMENT

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.

**WARNING** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**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.

## DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at [www.oregonscientific.com](http://www.oregonscientific.com)), or on the warranty card for this product) for all inquiries instead.



**We**

Name: Oregon Scientific, Inc.  
Address: 19861 SW 95th Ave., Tualatin,  
Oregon 97062 USA  
Telephone No.: 1-800-853-8883

**declare that the product**

Product No.: IB368  
Product Name: iBall Wireless Stereo Speaker with  
Transmitter Dock for iPod  
Manufacturer: IDT Technology Limited  
Address: Block C, 9/F, Kaiser Estate,  
Phase 1,41 Man Yue St.,  
Hung Hom, Kowloon,  
Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.





**iBall™ Wireless Stereo Speaker  
with Transmitter Dock for iPod®  
Model: IB368  
User Manual**

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