

Owner's Manual for iThing™ Wireless Shower Speaker

Revised: August 15, 2006
Revised: August 24, 2006 with Sun's First Round.
Revised: September 5, 2006 with Sun's Second Round.
Revised: September 8, 2006 with provision for not including Universal Adapter.
Revised: September 21, 2006 for a new section "Wired Speaker Operation"

IMPORTANT SAFETY INSTRUCTIONS

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THE TRANSMITTER TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE TRANSMITTER.

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT LEAVE THE SPEAKER TO RAIN, MOISTURE, DRIPPING OR SPLASHING FOR PROLONGED PERIODS.

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

- Read these instructions.
- Keep these instructions.
- Pay attention to all warnings.
- Follow all instructions.
- Do not use the transmitter near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized plug. A polarized plug has two blades with one wider than the other. The wide blade is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.

- Remove all batteries from this apparatus when unused for long periods of time to prevent damage or injury due to possible battery leakage.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, objects have fallen into the apparatus, the apparatus does not operate normally, or has been dropped.
- To avoid electric shock and/or damage to the unit, do not handle the transmitter base or AC adapter with wet hands.
- There are no serviceable parts other than batteries, do not attempt to repair or modify this unit.
- The speaker unit is splash proof only, therefore do not submerge in water.
- Turn the transmitter and speaker power off when not in use.

OVERVIEW

The iThing™ Wireless Shower Speaker is designed around the latest 2.4GHz wireless transmission technology to deliver clear and dynamic audio from any audio device up to 75 feet away in clear line of sight without a speaker wires. You can even take the speaker unit to your shower!

Trademark Credits

iThing™ is a registered trademark of IQ Hong Kong, Ltd.

iPod® is registered trademark of Apple Computer, Inc.

iThing is not affiliated with, sponsored by or endorsed by Apple Products, or by Apple Computer, Inc.

PACKAGING CONTENTS

[Dave] Need Illustrations for package lists.

Items	Part No.	Qty.
• Transmitter	0458-1	1
, 5VDC AC Adapter for Transmitter		1
f Speaker	0458-2	1
" 9VDC AC Adapter for Speaker		1
...Hook	0458-3	1
† 3.5mm Audio Cable	0458-4	1
‡ Owner's Manual	0458-6	1

QUICK SETUP

Preparation

- Turn off all equipment before connection and read the appropriate operating instructions.

Wireless Shower Speaker Setup Diagram

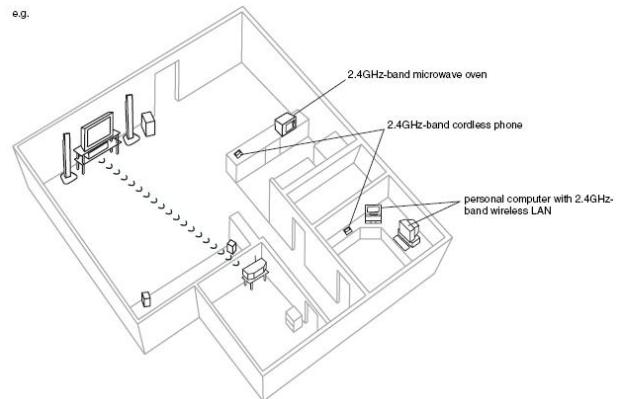
[Dave] Need an illustration demonstrating a typical product usage. For example, the transmitter positioned on a dresser top in bedroom, and the speaker positioned on the shower rod.

1. Slide iPod into the dock connector on Transmitter (or connect MP3 Player to Transmitter using provided 3.5mm stereo audio cable).
2. Connect 5VDC AC Adapter to DC in jack on Transmitter.
3. Attach the hook on the back of Speaker / Receiver.
4. Connect 9VDC AC Adapter to DC in jack on Speaker / Receiver.
5. Turn on Transmitter power.
6. Turn on iPod (or MP3 Player) power and play.
7. Turn on Speaker / Receiver .
8. Adjust the volume to desired level.
9. Sit back and enjoy.

Avoiding Interference

[Dave] Need an illustration similar to the one shown in right.

The iThing Shower Speaker system uses the same radio frequencies as other devices that may be present in your home. If you experience static noise in your playback, change the channel as needed. If the interference persists, try moving the other devices or the transmitter to another location.



Other devices that may potentially interfere with include microwave oven, 2.4GHz cordless phone, 2.4GHz wireless network.

FEATURES

- 2.4GHz Wireless using Gaussian Frequency Shift Keying Modulation.
- 16 channels to choose from for clear transmission.
- Transmits signal up to 75 feet in clear light of sight (shorter range when going through walls and floors).

- Speaker tunes automatically to the transmitter.
- Splash proof wireless speaker.
- Speaker hook rotates to hang on shower curtain rod, or over the door.

OPERATIONS

Transmitter

The Transmitter connects to your iPod or MP3 Player and sends the music information to the matching Speaker / Receiver unit using 2.4GHz wireless signal.

Power by AC adapter

[Dave] Need an illustration of transmitter with AC adapter.

This is a recommended use of powering the Transmitter unit.

Plug the included 5VDC AC adapter into a standard wall outlet, and connect the DC out to the Transmitter.

Power by battery

[Dave] Need an illustration of transmitter and battery.

The Transmitter can be operated by battery for the outdoor use.

Open the battery compartment cover and insert 3 x AAA alkaline batteries (not included). Replace the battery compartment cover.

Operating with iPod

[Dave] Need an illustration of transmitter and iPod.

iPod, iPod Mini, iPod Nano can be plugged directly on to the provided 30-pin connector. The iPod's audio is fed directly through the connector as well as being powered by it.

1. Slide in iPod firmly into the dock connector.
2. Raise the antenna.
3. Turn on the power switch of Transmitter.
4. Turn on the iPod.

Operating with MP3 Players

[Dave] Need an illustration of transmitter and MP3 player.

1. Connect 3.5mm stereo audio cable (provided) between Transmitter and MP3 player.
2. Raise the antenna.
3. Turn on the power switch of Transmitter.
4. Turn on the connected MP3 player.

Note: When you are using 3.5mm stereo audio cable to connect Transmitter and MP3 Player, it is recommended that you set your MP3 players volume to 50% - 70% of the maximum volume for optimum playback results.

Channels

There are 16 channels choose from for clear sound playback. If you experience a frequent static noise from Speaker / Receiver, press *Channel* button on the Transmitter briefly to select a different channel. Repeat this until clear channel is found. If none of the available channels provide a clear sound playback, relocate the Transmitter to a different location and repeat above steps.

Speaker / Receiver

The Speaker / Receiver unit receives the music information from the matching Transmitter and reproduces the music.

WARNING: For use near water, do not use AC adapter, use 6 x AA batteries (not included).

IMPORTANT: When powering the Speaker / Receiver with batteries, turn the power off after use. The speaker does not have the auto-shut off; therefore it will completely drain the batteries if the speaker is not turned off.

Power by battery

[Dave] Need an illustration of speaker and battery.

To maximize the mobility, the Speaker / Receiver unit can be operated with battery.

Open the battery compartment cover and insert 6 x AA batteries (not included), then replace the battery compartment cover.

Power by AC adapter

[Dave] Need an illustration of speaker and AC adapter.

This is recommended use if you are listening away from wet environment such as in shower, in bath tub, near bathroom faucet, near kitchen sink, near swimming pool, because it will conserve the battery power.

Plug the included 9VDC AC adapter into a standard wall outlet, and connect the DC out to the Speaker / Receiver.

WARNING: Under no circumstances, the speaker / receiver shall not be used with AC adapter near water, including in shower, in bath tub, near bathroom faucet, near kitchen sink, near swimming pool, etc.

Operating with iThing Transmitter

[Dave] Need an illustration of speaker showing two controls mentioned below.

1. Turn on the power switch of Speaker / Receiver.
2. Adjust volume to desired level.

IMPORTANT: If the volume control on Speaker / Receiver unit has a little effect on the overall listening level, adjust the volume from the source (iPod or MP3 players).

Standalone Operation (without iThing Transmitter)

The Speaker / Receiver unit can be operated standalone without the matching transmitter by using direct connection method with the provided 3.5mm audio cable.

[Dave] Need an illustration of 3.5mm stereo audio cable going into the line-in jack in the back of Speaker / Receiver unit.

1. Connect 3.5mm stereo audio cable between iPod or MP3 Player and Speaker / Receiver.
2. Turn on the power switch of Speaker / Receiver.
3. Turn on the connected iPod or MP3 Player.
4. Adjust volume to desired level.

NOTE: For some MP3 Players without the standard 3.5mm audio jack provision, a special adapter may be required for this connection. Please consult your MP3 player's instruction manual for the necessary adapter type.

SPECIFICATIONS

RF Information

RF Modulation	Gaussian Frequency Shift Keying Modulation
RF Frequency	2.4GHz – 2.48GHz
Transmission Power	+10dBm
Receiver Sensitivity	-85dBm
Number of Channels	16 with 5MHz separation
RF Range	75 feet in direct line of sight

Audio Information

Audio Input Level	1.0V RMS
Audio Input Impedance	10kΩ
Speaker Impedance	8Ω
Output Power	1.5W x 2
Frequency Response	20Hz – 20kHz
S/N Ratio	Greater than 60dB
THD	Less than 3% @ 1kHz
Channel Separation	Greater than 50dB

Power Consumption

Transmitter	4.5VDC @ 100mA
Speaker	9.0VDC with 500mA max.

AC Adapter

Transmitter	5VDC @ 300mA max.
Speaker	9VDC @ 800mA max.

Dimension & Weight

Transmitter	3.88" x 3.88" x 1.63"	4oz
Speaker	7.50" x 2.25" x 3.63"	18oz

TROUBLESHOOTING

Problems	Suggestions
No Sound	<ol style="list-style-type: none">1. Ensure the transmitter and the iPod or MP3 player are powered ON.2. Ensure the speaker is powered ON.3. Ensure that the iPod or MP3 player is playing.
Distorted Sound	<ol style="list-style-type: none">1. Check the speaker batteries.2. Ensure the volume control is set to a moderate level.3. Change the transmitter channel.
Static Sound	<ol style="list-style-type: none">1. Change the transmitter channel.2. Relocate the transmitter.

FCC COMPLIANCE

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 equipment.
- Increase the separation between the equipment and radio (or television).
- Connect the equipment into an outlet on a circuit different from that to which the radio (or television) is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

If you cannot eliminate the interference, the FCC requires you to stop using your radio.

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

WARRANTY

This product is warranted by IQ Hong Kong, Ltd. against manufacturing defects in materials and workmanship under normal use for ninety (90) days from the date of purchase from authorized dealers. The warranty is not transferable from consumer to consumer. Except as provided herein, IQ Hong Kong, Ltd. shall have no liability or responsibility to customer or any other person or entity with respect to any liability, loss or damage caused directly or indirectly by use or performance of the product or arising out of any breach of this warranty, including, but not limited to, any damages resulting from inconvenience, loss of time, data, property, revenue, or profit or any indirect, special, incidental, or consequential damages, even if IQ Hong Kong, Ltd. has been advised of the possibility of such damages.

Authorized Repair Center

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Berkley, MI 48072
U. S. A.

USER MEMO

Model iT-50458

Description iThing Wireless Shower Speaker

Date of Purchase

Purchased From

Comments