



OPERATION MANUAL

WHT-510

- 1 Connect Audio/Video
- 2 Plug into power
- 3 Power on



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Cautions

Important Safety :

This product can use both AC 115V~60Hz and AC 230V~50Hz power supply.

Check local voltage output before plugging into AC outlet.

Caution :

Limited Warranty does not cover any damage to the product caused by an incorrect input voltage or damage related therein.

Warning :

In order to prevent the risk of fire or electrical shock do not expose product to heating sources or humid climate. **Keep speakers away from microwave oven.**



Caution

To Prevent electrical shock, do not open product casing. there are no user-serviceable parts therein.

Seek only qualified service personnel for repairs. A lightning flash within an equilateral triangle marks the presence of harmful voltage, which constitutes a risk of electric shock.



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 product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans.



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

Important Safety Precautions

Before using the product please read the operating instructions carefully. Take special care to follow the indicated warnings both within this manual and on the product itself.

1.Power Source:

This product should only be powered by the power sources suggested within this manual or on the product itself.

2.Power Cord Protection:

Be sure to route power supply cords so they are unlikely to interfere with people walking or items being moved. Pay close attention to protect the plugs' point-of-entry into a wall or the product itself.

3.Ground and Polarization:

Beware of the appliance's grounding and polarization.

4.Ventilation:

Do not place objects atop of the product. Allow 5 cm clearance between the rear of the product and the wall. Never stand product on un-firm ground (i.e. bed, sofa, carpet, etc.)

5.Moisture:

Do not use this product where contact with water is likely or possible.

6.Temperature:

The product may not function properly in extreme low temperature conditions. Ideal working temperature is above 5°C(41°F).

7.Heat:

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

8.Foreign Material:

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.

9.Maintenance:

Never clean the product with alcohol, benzene, gasoline, naphtha or other volatile liquids. Clean the product with a polishing cloth or a soft dry cloth only.

10.Carts and Stands:

The product should be transported with care when used with a cart or stand. Quick stop, excess force, and uneven surface may cause the cart and product combination to overturn. may cause both the cart and product to overturn.



11.Nonuse period:

When the product is left unused for an extend period of time unplug the product from the wall outlet.

12.Unusual Smell:

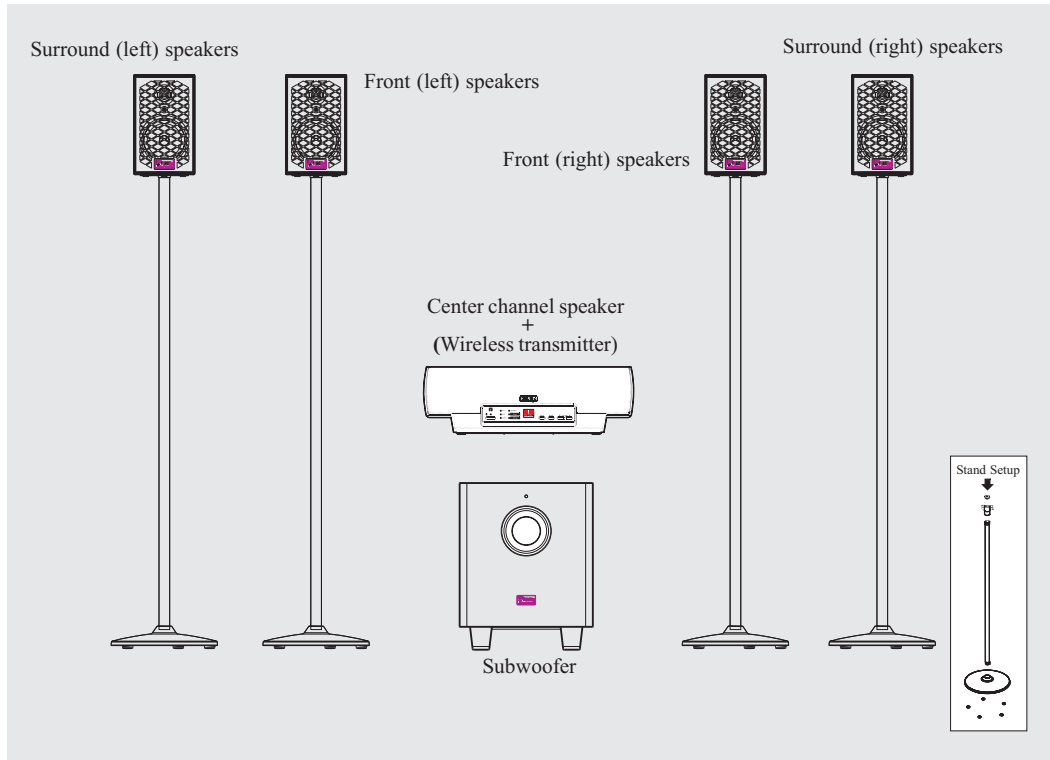
If smoke or an unusual smell is detected, immediately turn off the power and unplug the product then contact your local service personnel.

13.Servicing:

Do not attempt to service this product yourself by opening or removing that may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

System Overview

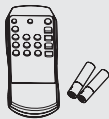
■ System



■ Accessories

Please check and identify all supplied accessories. Keep the original packaging and cardboard boxes for future needs.

Remote Control,
Batteries X2



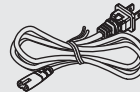
Audio Cable X1
(RCA to RCA)



Audio Cable X1
(3.5mm to RCA)



AC power cord 6 feet X 2
AC power cord 9 feet X 4



Operation Manual



Center Speaker
Bracket X1



Screws X18
(M4x8mm)



Satellite Speaker
Bracket X8



Template



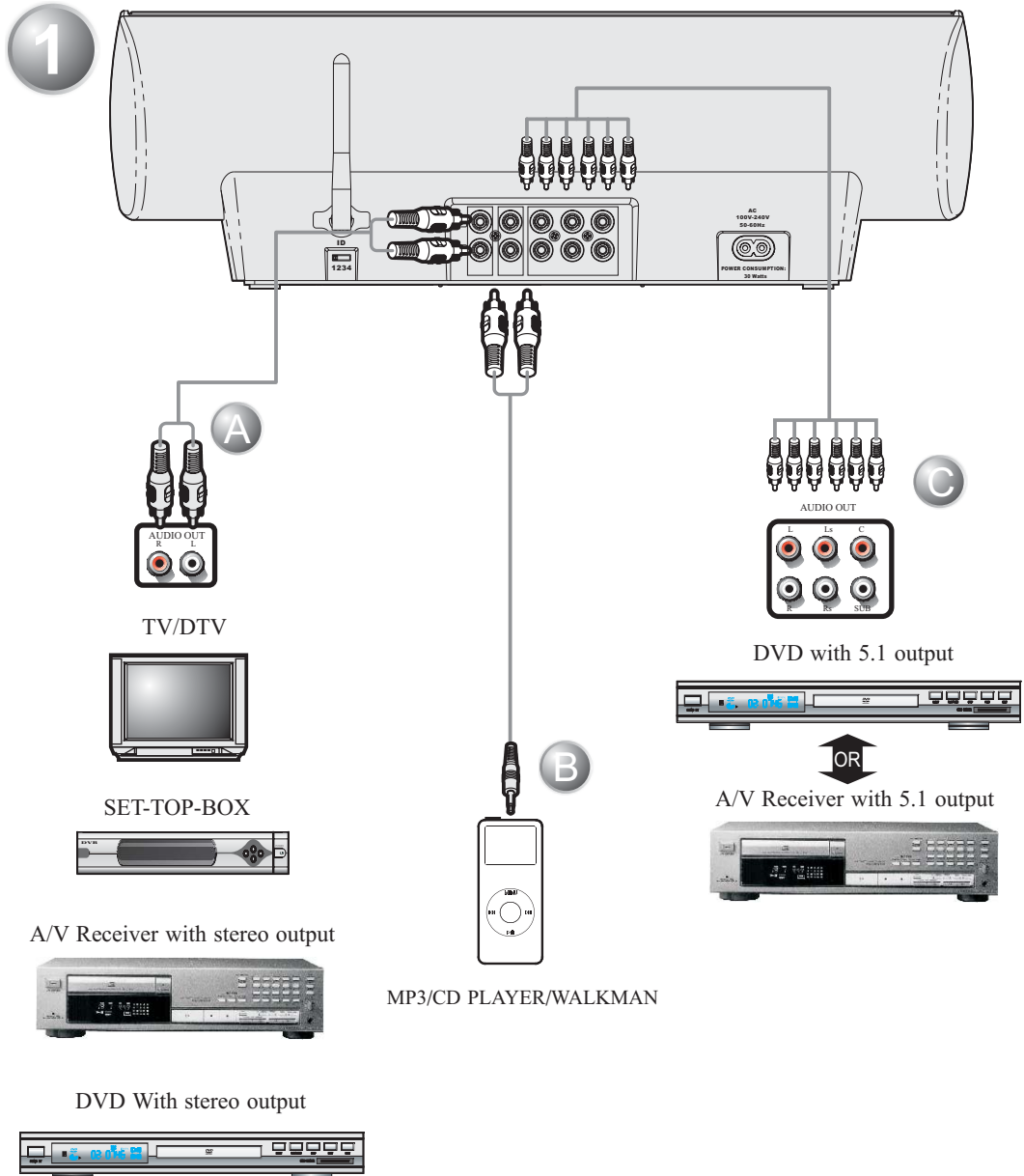
1·2·3 Solution

1 Connect Audio/Video

2 Plug into power

3 Power on

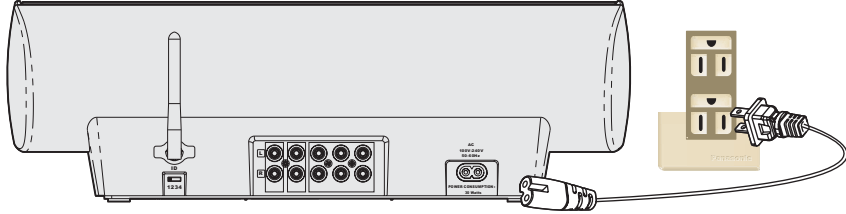
- Before beginning, set all speakers, including subwoofer, to the same ID channel (i.e. 1,2,3, or 4) located on the backside of each speaker/sub woofer.
- NOTE: For audio sources with Digital Decoding (i.e. DTS, Dolby Digital, THX, etc.) follow example C for connecting audio.



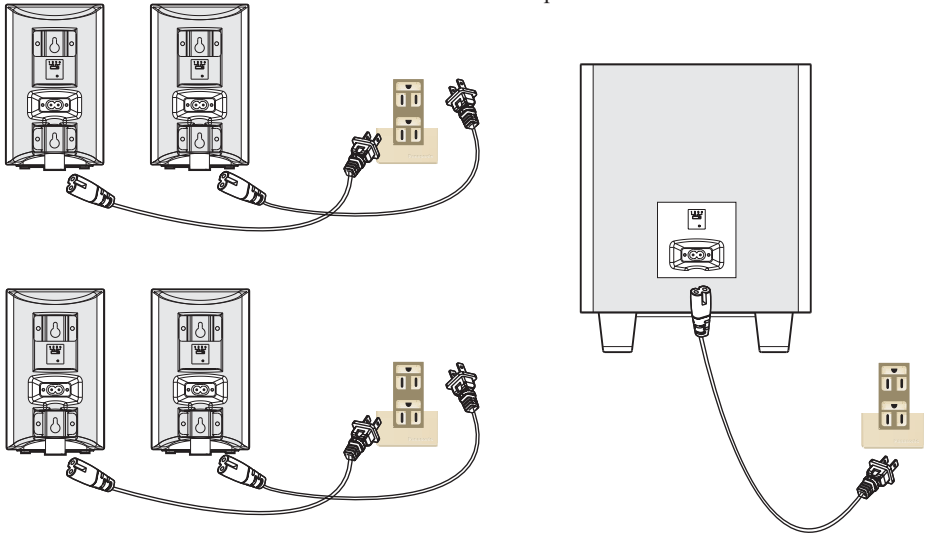
1-2-3 Solution

2

PLUG INTO POWER

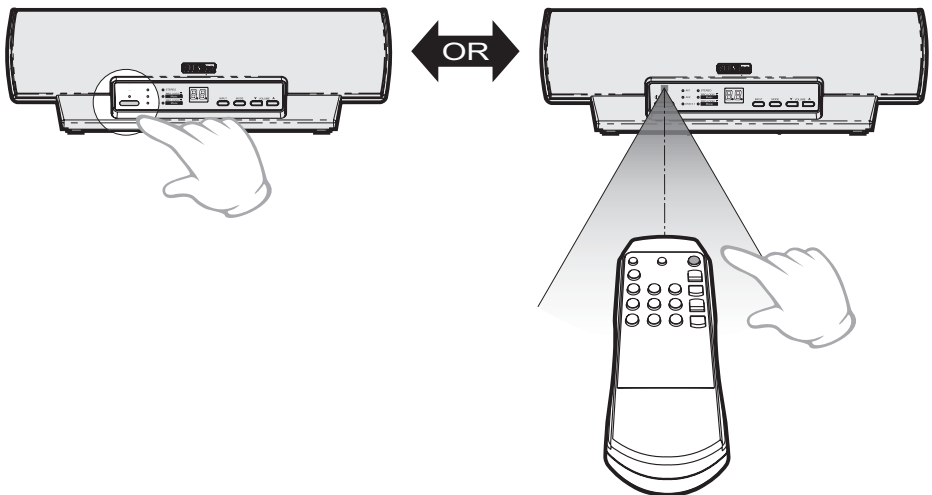


Connect power cord



3

POWER ON



Remote Control Button Layout

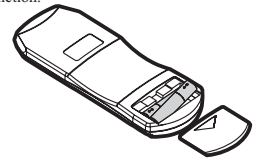
Remote controller (Operation buttons)



- ① POWER : Powers On/Off
- ② MUTE : Sound On/Off, light flashes
- ③ RESET : Reset front speakers volume
- ④ INPUT : Audio input
- ⑤ STEREO : Turn on stereo
- ⑥ MUSIC : Turn on (music mode)
- ⑦ MOVIE : Turn on (movie mode)
- ⑧ VOLUME : (▼0dB~▲40dB)

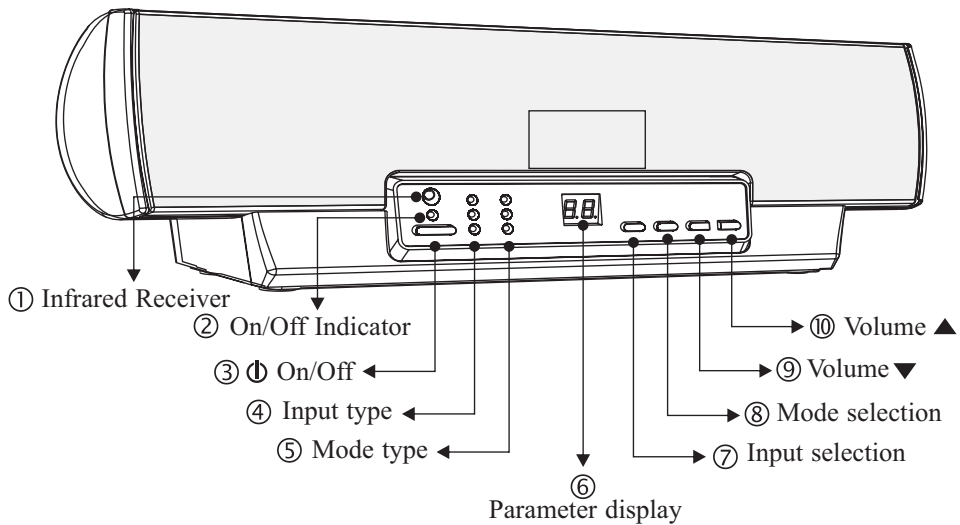
- ⑨ Front speakers volume : (▲9dB~▼-9dB)
- ⑩ L/R : Adjust front speakers volume
- ⑪ Ls/Rs : Adjust surround speakers volume
- ⑫ CENTER : Adjust center channel speaker volume
- ⑬ SUB : Adjust subwoofer volume

Warning: Polarity of battery must be installed correctly for the remote control to function.



After restart, all settings are returned to previous memory before power off.

Operation



When activating the system, by turning on the center speaker, allow the system a few seconds to automatically search for and inhabit the clearest frequency channel before hearing any sound.

1. Infrared Receiver : Remote control receiving window; Effective range: 10 meters.

2. On/Off Indicator : Power ON (light off)/Power off (light on).

3. On/Off : Power ON/Off.

4. Input type : indicates current input selection among AV1 → AV2 → DVD5.1

5. Mode type : When input selection is in AV1 or Av2, you can select playing mode to



This function is not available when input is DVD5.1.

6. Parameter display : Displays the main volume level. When adjusting a component's volume control, the digital display will show that particular component volume level for 3 seconds, then switch back to display main volume level.

7. Input selection : select among AV1, AV2, DVD5.1

8. Mode selection : When input selection is in AV1 or AV2, you can select playing mode to

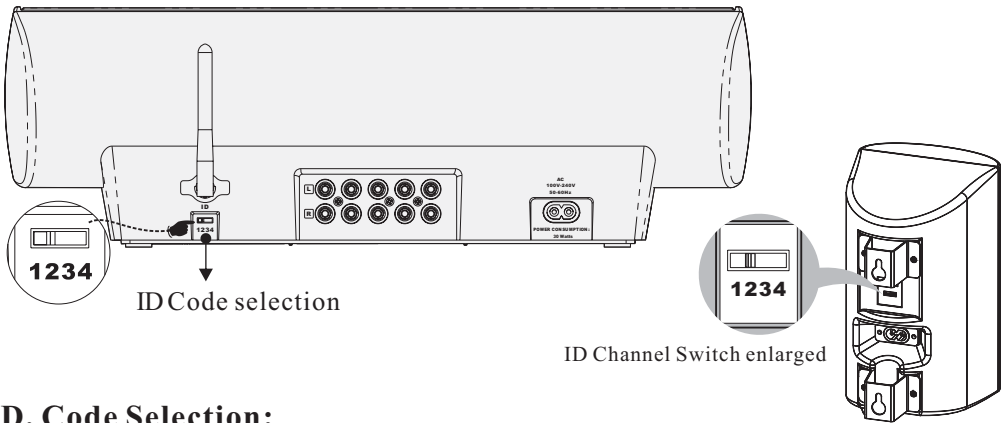


This function is not available when input is DVD5.1.

9. Volume : Decrease Main volume.

10. Volume : Increase Main volume.

Operation



I.D. Code Selection:

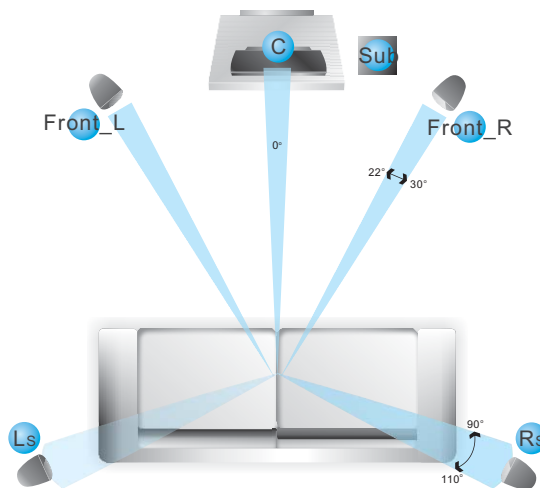
■ The I.D. Code Selection function allows the WHT-510 to operate with additional speakers (visit www.soundonusa.com for more information on additional speakers sold separately) set up in other rooms or to avoid interference with another systems of its kind.

If there are additional speakers or systems in the house they can be synced or un-synced by either setting them on the same ID Code Selection or on a different ID Code Selection as the other speakers/systems.

■ The system speakers should be kept away from microwave oven, 2.4GHz cordless phone, WiFi transmitter, etc. at a distance greater than 2 meters.

5.1 Speaker Configuration

■ For the best 5.1 Surround Sound experience, configure the WHT-510 according to the diagram below.



Specifications

WHT-510 Specifications

Audio	
Input Sensitivity (1KHz, 15W)	1V RMS
THD+N	<1% (@ 1K, with 10~22K LPF)
SNR	>85 dB (@ 1KHz with A-weighted)
Frequency Response	20 Hz ~ 20 KHz (± 3 dB without EQ)
Crosstalk, (L to R)	>75 dB
Input Impedance	12 K Ω
Latency	15mS
Audio Sampling	16 bit per channel, 48 KHz
Audio Compression	Non Compression

Radio Frequency	
Frequency	2.400~2.483 GHz (License Free ISM Band)
Modulation	CCK (Complementary Code Keying)
Channel Width	22 MHz
Number of Channels	3 RF Channels (Auto switch to stable channel)
P.E.R (Packet Error Rate)	0.05% (@ -85 dBm)
Sensitivity	-85 dBm (@ PER<0.1%)
Output Power	17.5 dBm Typical

Specifications are subject to change without notice.

Troubleshooting

- When having difficulties, see the suggestion below. Some simple checks or minor adjustment may eliminate the problem. If the problem persists, contact service personnel for instructions

Item	Conditions	Reasons	Suggestion
Power	Can not turn on the power	Power cord not plugged in properly	Connect power supply cord according to the operating manual
		Remote control batteries are low	Replace remote control batteries
Remote control	No response from the remote control	Batteries installed in reverse	Correctly install batteries
		Dead batteries	Replace remote control batteries
		Not pointing at the infrared receiver	Make sure there are no objects between the remote control and infrared receiver on the Center Speaker
Sound	No sound	Audio cable failure	Replace bad cables with new cables
		Incorrect sound mode setting	Select correct sound mode setting
		Volume adjusted to minimum or muted	Turn the volume up or press mute button
		ID code selection wrong	Make sure all speakers are set at the same ID code (1.2.3or4)

Maintenance

- ⊙ Unplug power before doing any maintenance
- ⊙ Clean the cabinet and panel with a soft cloth lightly moistened with mild detergent solution.
- ⊙ Do not rinse in water or use gasoline, alcohol, benzene, etc.

■ Federal Communication Commission Interference Statement

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 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.

Emergency

FCC Caution :To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

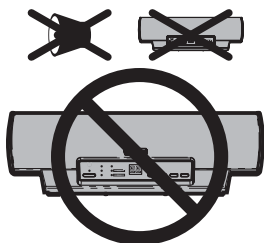
(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

- Whenever unusual situations are detected immediately turn off the power and unplug the WHT-510 system and contact your local authorized personnel.

Stop using this product when it does not operate or can not output sounds. Unplug the power cord from the power outlet.



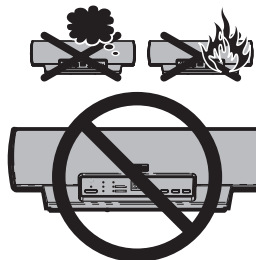
Unplug from AC Power



Stop using this product when smoke, excessive heat or unusual smell is detected. Unplug the power cord from the power outlet.



Unplug from AC Power

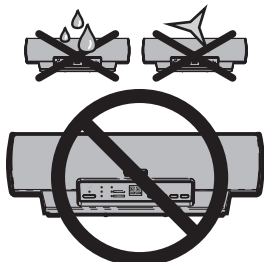


©Contact local authorized personnel

Stop using this product when objects fall into or liquids are spilled into the unit. Unplug the power cord from the power outlet.



Unplug from AC Power



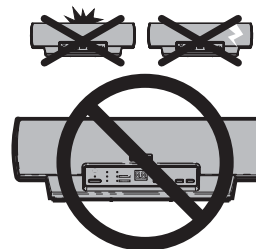
Liquids or metal objects into the unit will lead short-circuit and improper grounding, which will overload cause fire, shock hazard and other defects.

©Contact local authorized personnel

Stop using this product when the external cabinet is damaged. Unplug the power cord from the power outlet.



Unplug from AC Power



©Do not attempt to service this product .
Contact local authorized personnel

Warranty Information

For fastest Warrant Registration visit www.soundonusa.com

Important: Warranty information must be registered within two weeks of the purchase date in order to be valid.

- ⊙ Defects as a result of normal use are covered by warranty for one year.
- ⊙ Normal wear and tear is not covered by the warranty (see Warranty Details)
- ⊙ **Attach a copy of your receipt to the completed Warranty Card below and mail to: Soundon Corp., Lakewood Drive West, Suite 8, Lakewood, WA, 98499**

Model:	
Serial #:	
Purchase date:	
Retailer:	
User	Name
	Tel.
Address :	
E-mail :	

Warranty Details:

- ⊙ Limited parts replacement and repair
- ⊙ Warranty covers only those defects which arise as a result of normal use of the product
- ⊙ If unable to provide evidence of the date of the date when the product was purchased then the date of manufacture will be considered as the beginning of the warranty period.
- ⊙ A fee will be charged when repair or replacement of parts is required for the following reasons:
 - 1.Manmade damages :
 - (1)Failure to “operate” the WHT-510 as specified in this manual.
 - (2)Any self repairs and/or modifications done without prior written permission.
 - 2.Accidental damages :
 - (1)Damage due to improper packaging during return shipment
 - (2)Damage due to the acts of a force outside of our control
- ⊙ If lost or misplaced, the warranty card can not be reissued. Please keep the warranty card safe or visit www.soundonusa.com

