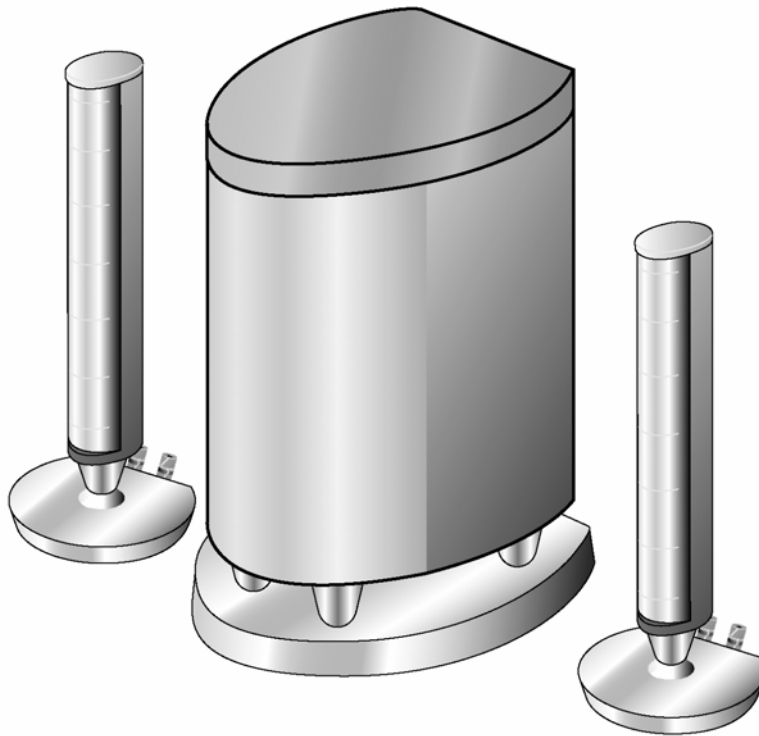


H I X F I

LOUDSPEAKER SYSTEM

XDC-1



OWNER'S MANUAL



Dear Xhifi Owner:

Thank you for your purchase of the XDC-1 Multimedia Loudspeaker System (formerly known as the Xducer 2.1). We hope it will provide you with years of enjoyment.

Please make sure to read this manual thoroughly before first use in order to clearly understand the features, installation, and operation of the XDC-1.

To facilitate any dealings you may have with us in the future, we prefer to have an official record of your product ownership, and so we ask for you to please fill out the enclosed warranty card and return it to us at your convenience.

Again, we thank you for your purchase, and urge you to contact us with any questions, concerns, or comments you may have.

Enjoy!

Regards,

A handwritten signature in black ink, appearing to read "Howard Schilling".

**Howard Schilling
CEO**

A handwritten signature in black ink, appearing to read "Mel Schilling".

**Mel Schilling
Chairman**

H X F I

Warnings and Cautions

■ CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this product to rain or moisture.

■ Caution – POWER switch

This apparatus is provided with a POWER switch to be able to minimize power consumption for safe use. Therefore,

1. When doing initial setting, complete all the connections required, connect the mains plug into the wall outlet, and set the POWER switch to ON.

2. When not in use, set the POWER switch to OFF.

3. Disconnect the mains plug to shut the power off completely. The POWER switch in any position does not disconnect the mains line.

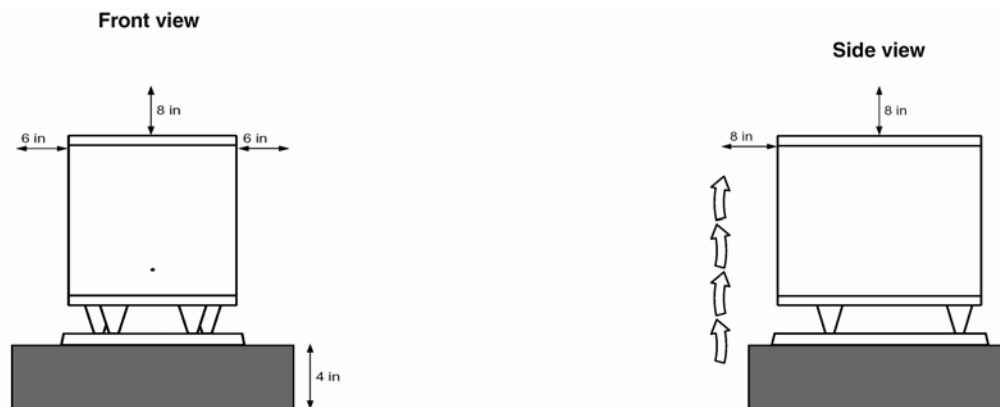
Caution: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

1. Front:
No obstructions and open spacing.
2. Sides/Top/Back:
No obstructions should be placed in the areas shown by the dimensions below.
3. Bottom:
Place on a level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10cm or more.

CAUTION

- Do not block the ventilation openings or holes.
(If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not use this apparatus in a bathroom or places with water. Also do not place any containers filled with water or liquids (such as cosmetics or medicines, flower vases, potted plants, cups, etc.) on top of this apparatus.



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IMPORTANT for the U.K.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted.

If nonetheless the mains plug is cut off, ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied fitted with a mains plug then follow the instructions given below:

IMPORTANT:

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or colored green or green-and-yellow.

The wires in the mains lead on this product are colored in accordance with the following code:

- Blue : Neutral
- Brown : Live

As these colors may not correspond with the colored markings identifying the terminals in your plug proceed as follows:

The wire which is colored blue must be connected to the terminal which is marked with the letter N or colored black.

The wire which is colored brown must be connected to the terminal which is marked with the letter L or colored red.

IF IN DOUBT – CONSULT A COMPETENT ELECTRICIAN.





SAFETY INSTRUCTIONS	
“SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT	
<p>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.</p>	<p>Switch off using the switch on the equipment and make sure that other users know how to do this. Special arrangements may need to be made for infirm or handicapped people.</p>
<p>Do read the operating instructions before you attempt to use the equipment. Do ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections. Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment. Do be careful with glass panels or doors on equipment.</p>	<p>DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television while driving. DON'T listen to headphones at high volume as such use can permanently damage your hearing. DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment. DON'T use makeshift stands and NEVER fix legs with wood screws - To ensure complete safety always fit the manufacturer's approved stand Or legs with the fixings provided according to the instructions. DON'T allow electrical equipment to be exposed to rain or moisture.</p>
<p>DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way – switch off, withdraw the mains plug and consult your dealer. DON'T remove any fixed cover as this may expose dangerous voltages. DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode.</p>	<p>ABOVE ALL:</p> <ul style="list-style-type: none"> - NEVER let anyone, especially children, push anything into holes, slots or any other opening in the case. This could result in a fatal electrical shock. - NEVER guess or take chances with electrical equipment of any kind. - It is better to be safe than sorry!

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Speaker Types

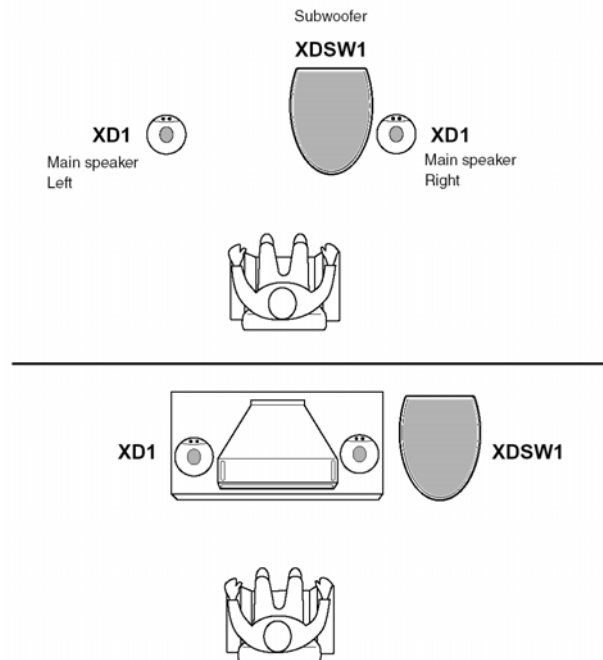
The XDC-1 consists of two types of speakers.

<ul style="list-style-type: none">• Main speaker (Model XD1) x 2 	<ul style="list-style-type: none">• Subwoofer (Model XDSW1) x 1 
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The cabinets of these speakers are made from natural wood so the grain finish differs from that of artificial wood. The appearance of each cabinet will differ slightly and has its own individual character. As molded plywood has been used, the surfaces may have a slight roughness but this does not have any influence upon the performance.

Standard Arrangement

The sound image becomes sharper the closer the subwoofer is placed to the main speakers.





Confirming Supplied Accessories

Before use, check that you have received all of the following items, which are supplied with the unit.

	<ul style="list-style-type: none">• Speaker Cable (3m) x 4
	<ul style="list-style-type: none">• Audio Interconnect (2m) x 2

Precautions for Use

▪ To maintain the look of the unit

Wipe with a dry, soft cloth if the cabinet or control panel should become dirty. If very dirty, apply a small amount of water or neutral detergent to the cloth and Wipe clean. Then wipe with a dry cloth.

▪ Good manners when listening to system

When you are listening to the system, please listen at volume that will not disturb your neighbors. At night, in particular, even soft sounds spread easily to your surroundings. Please show consideration and close windows, or listen using headphones, etc. in order to maintain a pleasant living environment.

The symbol shown here is the Sound Etiquette symbol mark.



▪ Improving the sound field

If the speakers are facing a solid wall or glass door, etc., it is recommended to furnish the wall with materials that absorb sound, for example by hanging up heavy curtains, to prevent generation of reflections and standing waves.



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Precautions for Installation

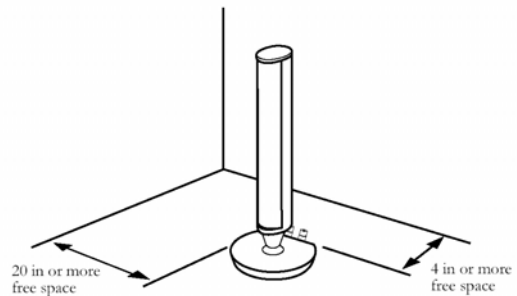
- To prevent deformation or discoloration of the cabinet, do not install the unit where it is exposed to direct sunlight or high humidity, and avoid installation near air conditioning outlets.
- Speaker vibrations may cause playback devices to malfunction or skip. Place the unit as far away from the playback device as possible.
- Take the occurrence of earthquakes or other physical shocks into consideration when selecting the installation place, and secure the unit thoroughly.
- This unit is magnetically shielded so as not to cause color distortions on color television sets. However, depending on the installation method, color distortions may occur. Please pay attention to the following points when installing the unit.
 1. When placing these speakers near a TV set, turn off the TV's main power switch or unplug it before installing the speakers. Wait at least 30 minutes after the system is installed before turning on the TV's power.
 2. If another speaker system has been set up near the TV set, that system may cause color distortions in the TV's picture. In spite of the shielded design of these speakers, some types of TVs may be affected by them. If this happens, move the speakers a short distance from the TV set.
- When placing the speaker system, note that the affixed feet on both the satellite speakers and subwoofer (as well as the optional taller feet) may slightly discolor the setting surface after an extended period, depending on the setting surface's material.



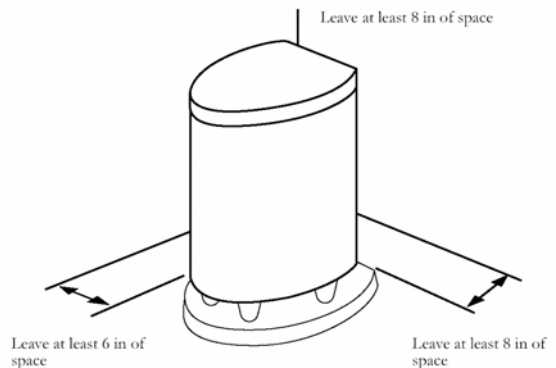
- **To be considered when installing the XDC-1**
- The sound reproduced by the speaker system is subtly affected by the conditions of the listening room. The arrangement of this system can be changed to match the conditions of the listening room. We recommend that you use the following guidelines to arrange the system to expand the sound field and ensure a clearly pinpointed sound image.
- **XD1 (Main Speaker)**
 - We recommend that there be at least about 20 in. of free space between the sides and a wall.
 - We recommend that there be at least about 4 in. of free space between the rear side and a wall.

(Note that there is a risk that terminals may be short circuited if they contact a wall, etc.)

We recommend that there be a distance of about 3 to 7 feet between each speaker, and each speaker should be placed with the front facing forward towards the listening position.



- **XDSW1 (Subwoofer)**
 - Leave much space in the front.
 - Leave at least 6 in of space on the sides.
 - Leave at least 8 in of space on the top.
 - Leave at least 8 in of space in the rear.



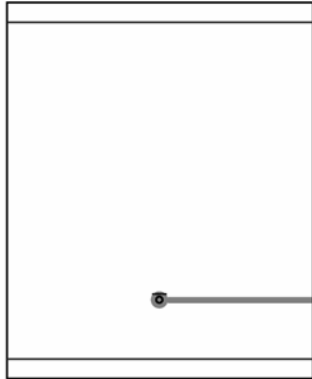
CAUTION

To avoid risk of fire or damage, keep enough spaces for ventilation around the unit, especially between the back side and the wall, curtain, or whatever behind the unit.

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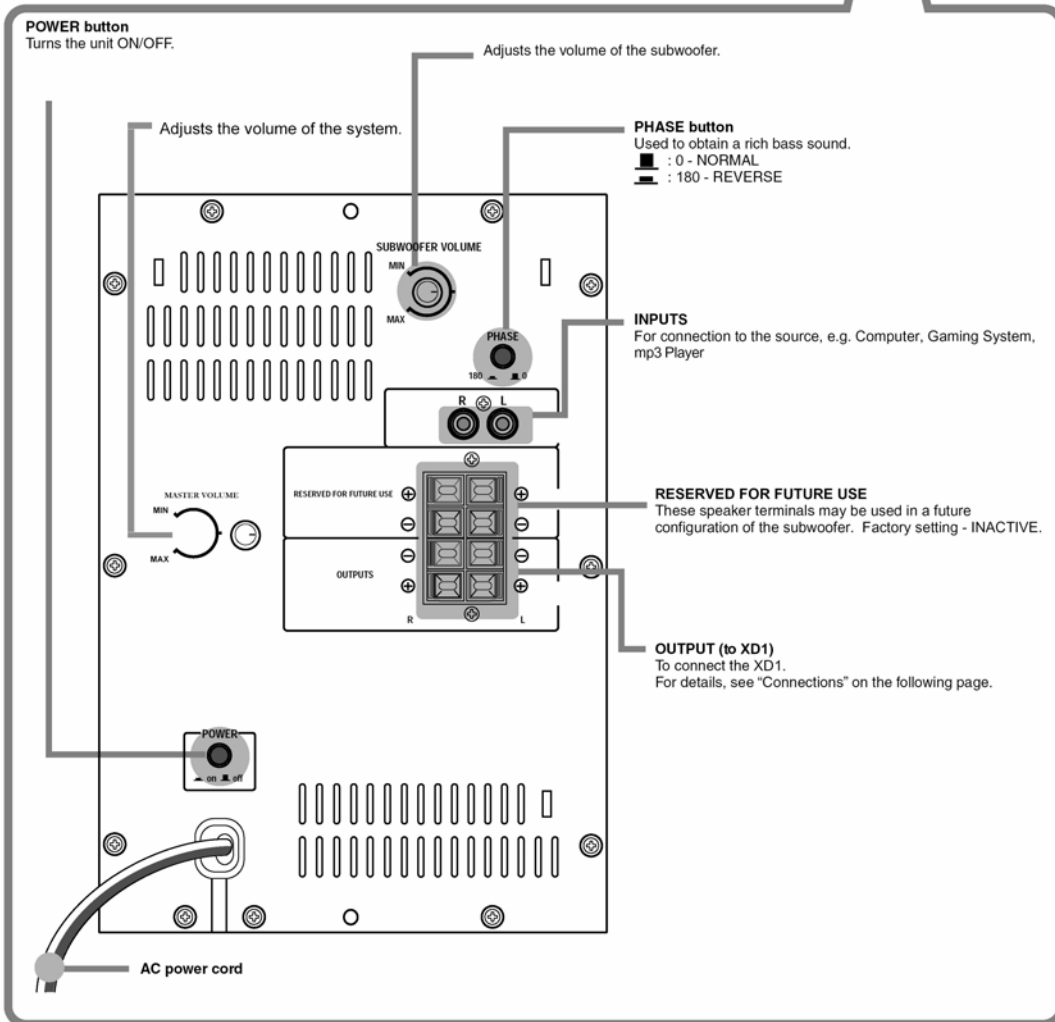
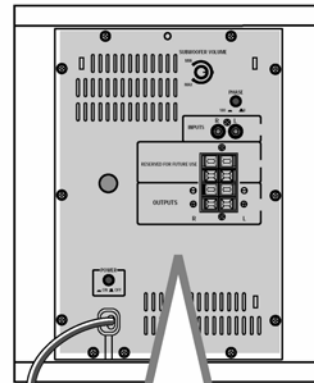
Names of Parts and Functions (XDSW1)

■ Front Panel



STANDBY/ON LAMP
This lights when the power is ON, and when the unit is in the standby mode.
Red: Standby mode
Green: ON mode

■ Rear Panel



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Connections



CAUTION

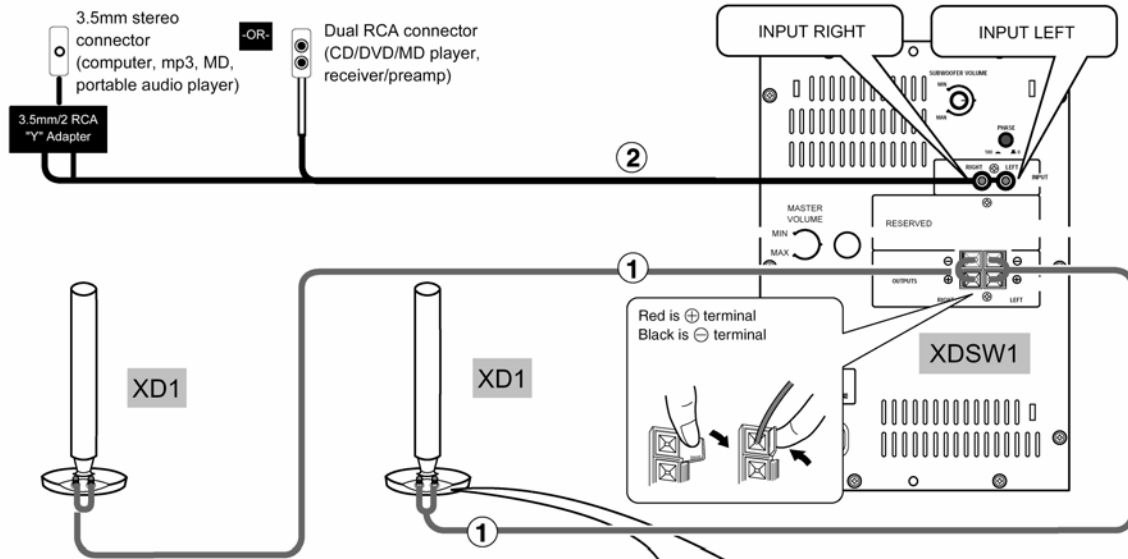
- Always make sure that the amplifier and the speaker system are turned OFF before connecting the system to the amplifier. (Do not plug the power cords into an AC outlet before all the connections have been completed.)
- Do not connect the main speakers (XD1) directly to an amplifier. The speakers may be damaged. ALWAYS connect them to the subwoofer (XDSW1).

■ Before connecting

1. Turn OFF the subwoofer before the connecting the main speakers to it. The amplifier for the main speakers may be damaged if the speaker cables are short-circuited while the subwoofer is on.
2. The maximum input accepted by the system is 50 watts. This is the value (rms) at which the signal source can be input for a short interval without the speaker suffering damage.

■ Normal connections

1. Connect the XD1 to the XDSW1 as shown in the figure 1 below.
2. Connect the output of your source to the input of the XDSW1 as shown in figure 2 below.

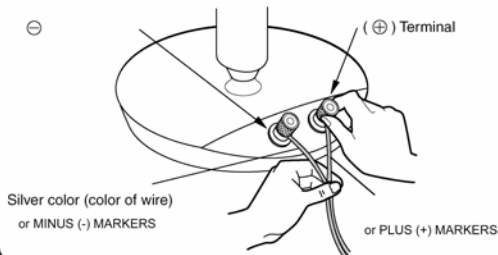


■ Cautions when connecting the speaker cords to the speaker system

Connecting the polarities (⊕, ⊖) of the speaker cords incorrectly will degrade the stereo effect and sound quality. After connecting the cords, pull them lightly to check that they are securely connected.

The red INPUT terminal is the ⊕ terminal, and the black one is the ⊖ terminal. As shown in the figure, rotate the speaker terminal knob counterclockwise (↺) and insert the speaker cord into the groove. Then rotate the knob clockwise (↻) to secure the cord. Reversing the ⊕ and ⊖ polarities will greatly degrade the stereo effect and sound quality.

Twist off the vinyl covering the tips of the supplied speaker cords. Should the wires be fluffy, twist them tight.



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Connections (continued):

- The XDC-1 accepts low-level stereo signal sources, such as home or portable CD/DVD players, mp3 players, computer soundcards, gaming consoles, etc. It will also accept the tape or preamp output from a receiver or preamp (we suggest the preamp output as it allows for volume control).
- Some sources (such as computer soundcards and portable mp3/CD players) only output through 3.5mm connectors; for these applications, use of a 3.5mm/2 RCA Cable (included), or a 3.5mm/2 RCA Adapter (available through Xhifi) is required.
- The XDC-1 employs two different volume controls, one for the subwoofer only, and one “master” for the entire system (consisting of both speakers PLUS subwoofer). If the signal source also employs a volume control, please consider using this when operating the system (see below).
- Utilizing a crossover fixed at 230 Hz, the subwoofer divides the incoming signal into two parts, retains the bass portion, then sends the midrange/treble portion to the main speakers. The XDSW1 subwoofer can be used as a stand-alone subwoofer, but please note that the speaker output terminals on the XDSW1 will remain active (for connection to the XD1 Satellite Speaker ONLY).
- Make all connections before the plugging the AC power cord into an AC Outlet.



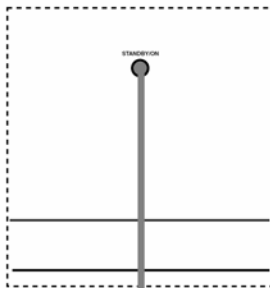
CAUTION

Do not connect the source to the XDSW1 before making sure the MASTER VOLUME control is turned all the way down. This can help to prevent unexpected high volume bursts from damaging the speakers. The system's speakers are specifically designed for use with each other; do NOT attempt to use them with other brands' models.

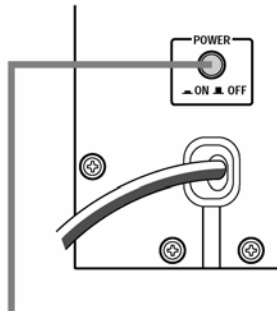
Operation

■ Turning the Power ON

● Front panel



● Rear panel



- POWER button
 - ON :Power is ON.
 - OFF :Power is OFF.



CAUTION

If the Subwoofer Volume knob on this unit is near MIN, the source's sound volume is 0, or the sound signals from the source are exceptionally low, the auto power on does not function when it receives audio signal, (the mode is not switched from the standby mode to the ON mode).



NOTE

The STANDBY/ON mode only applies to the XDSW1 subwoofer, in order to minimize current drain. Since the amplifier for the XD1 main speaker does not draw any appreciable current, it remains ON all the time once the XDSW1 is turned ON.

- To completely cut off the power to this unit, press the POWER button on the rear panel to the "OFF" position, and disconnect the power cord from the AC outlet.

• STANDBY/ON lamp (with auto power on/off function) – applicable to XDSW1 Subwoofer ONLY

When the POWER button is pressed to ON, the STANDBY/ON lamp lights up green. If about 30 minutes elapse with no signals, the mode switches to the standby mode, and the STANDBY/ON lamp lights red.

When audio signals are input, the mode automatically becomes the ON mode, and the STANDBY/ON lamp lights green.

ON mode: STANDBY/ON lamp lights green.

Standby mode: STANDBY/ON lamp lights red.

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Operation (continued):

- We recommend using a music source for setup.
- Before pressing “Play” on your source, make sure the XDSW1’s MASTER VOLUME and SUBWOOFER VOLUME controls are turned all the way down. If your source also has a volume control, make sure it is turned all the way down.

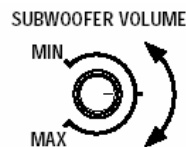
▪ **Adjusting the volume**

After pressing “Play” on your source:

1. Turn up your source/preamp/receiver’s volume control (if applicable) to 75% of its maximum.
2. Turn up the XDSW1’s MASTER VOLUME control until it reaches the 6:00 position.



3. Slowly turn up the XDSW1’s SUBWOOFER VOLUME control, until you reach a preferred bass level and blend with the main speakers.



4. Once you have achieved your preferred bass blend, if your source also has a volume control, we recommend using that to control the volume of both the main speakers and subwoofer at once. If your source does not have a volume control, you can also use the unit’s MASTER VOLUME control for this purpose, noting the following conditions:
(1) At its minimum position, the MASTER VOLUME control will not fully mute the satellites or subwoofer. To mute both at once, you must either turn the source’s volume all the way down (if possible), or stop/pause its playback.
(2) The MASTER VOLUME control raises and lowers the satellites and subwoofer at different rates; therefore, you may need to adjust the SUBWOOFER VOLUME control to compensate for any change in the MASTER VOLUME.

- The XDSW1 subwoofer has a protection circuit which automatically reduces the output of the subwoofer when the source’s volume exceeds the allowable input of the subwoofer circuit. In this event, lower the volume of your source (if possible) to a level at which the protective circuit does not activate. NOTE: This circuit only engages under extreme circumstances, and will not do so when presented with typical fixed or variable output (with volume control) sources like computer soundcards, mp3 players, gaming consoles, CD/DVD players, etc.

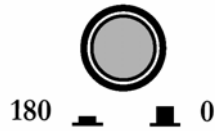
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▪ **Phase Shift**


It is possible to change the system’s bass response in accordance with the conditions of the listening environment and the location of the XDSW1 subwoofer.


- Set at a position where preferred bass response is achieved.

PHASE



• **PHASE button**

 : 0 (degrees)
(Normally used in this position.)

 : 180 (degrees)
(Use in this position when the bass sound is otherwise insufficient.)

Troubleshooting		
Symptom	Possible Cause	Action
Power does not come on.	Is AC power cord disconnected from the AC outlet?	Plug the AC power cord firmly into the AC outlet.
Echo-like or shallow sound reproduction from main speakers	MASTER VOLUME control is set too low	Turn up the MASTER VOLUME control until sound fills out optimally. (See pages 11-13.)
No sound is heard.	Are the MASTER VOLUME or SUBWOOFER VOLUME knobs turned to the “MIN” position?	Turn up the volume knob(s) until a suitable level is found. (See pages 11-13.)
	Connections are incorrect, or loose.	Check connections and make the necessary corrections. (See pages 5 & 6.)
	Is the source’s volume control (if applicable) turned all the way down, or is its signal extremely weak?	See the procedures for operation. (See pages 11-13.)
The sound fluctuates between loud and soft.	The protective circuit is active.	Lower the volume of the source to a level that does not activate the protective circuit. (See page 12.)



SPECIFICATIONS

XD1	XDSW1
Type : Acoustic Suspension (magnetically shielded)	Powered Subwoofer Type : Bass reflex design (magnetically shielded)
Driver : 3.74”H x .394”W Track-type dome	Driver : 6.6” cone (4 Ω)
Frequency Range : 230 Hz ~ 50 kHz	Frequency Range : 30 Hz ~ 230 Hz
Sound Pressure Level : 80 dB/w●m	Input Impedance : 50 kΩ
Impedance : 6 Ω	Input Impedance : 6 Ω (connected to XD1)
Power Handling Capacity: 50W (with XDSW1)	Input Terminals : RCA pin L/R
Dimensions (WxHxD) : 4.93” x 13.04” x 4.87”	XD1 Connection Type : Speaker terminals L/R for exclusive use with XD1
Weight : 1.87 lbs.	Power Requirements : AC 115V, 60Hz
	Max. output of built-in main speaker amplifier : 50W x 2 (1% THD @ 1 kHz)
	Max. output of built-in subwoofer amplifier: 50W (1% THD @ 100 Hz)
	Dimensions (WxHxD) : 10” x 15” x 13”
	Weight : 22 lbs.
Accessories	
Speaker Cable : 3m x 4	
RCA Interconnect Cable : 2m x 2	

Design and specifications subject to change without prior notice.