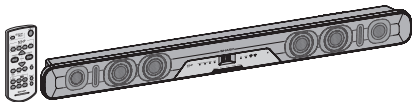# SHARP

MODEL
HT-SB350(BK)
SOUND BAR SYSTEM

OPERATION MANUAL

DOLBY
DIGITAL
VIRTUAL
SPEAKER
PRO LOGIC II

dts™
Digital Surround

SRS◎
WOW HD

SRS◎
WOW HD
is a trademark of SRS Labs, Inc.

WOW HD technology is incorporated under license from SRS Labs, Inc.

Note: This product is recommended for flat panel TV (LED, LCD and plasma).

Accessories

Please confirm that only the following accessories are included.

Remote control x 1 (RRMCGA251AWSA)	AC/DC adaptor x 1 (RADPAA061AWZZ)	AC power cord x 1 (QACCDA005AWZZ)	RCA cable (2pins-2pins) x 1 (QCNWGA041AWPZ)
Wall mount angle x 2 (LANGKA167AWFW)	Foot cushion x 4 (PCUSSA118AWZZ)	Pattern paper x 1 (TCAUHA022AWZZ)	← Nut (Spike + Nut) x 4 (CLEGMA005AW02, Length: 25 mm)

SHARP CORPORATION

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Explanation of Graphical Symbols:

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 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.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

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.

WARNING
FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

FOR YOUR RECORDS
For your assistance in reporting this unit in case of loss or theft, please record below the model number and serial number which are located on the rear of the unit. Please retain this information.

Model number	....
Serial number	....
Date of purchase	....
Place of purchase	....

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks & DTS Digital Surround and the DTS logos are trademarks of DTS, Inc. Product includes software.© DTS, Inc. All Rights Reserved.

Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, the double-D symbol are trademarks of Dolby Laboratories.

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Products that have earned the ENERGY STAR® are designed to protect the environment through superior energy efficiency.

ENERGY STAR® is a U.S. registered mark.

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E-1

IMPORTANT SAFETY INSTRUCTIONS

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of this product, please read the following precautions carefully before use.

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) 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, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional Safety Information

15) Power Sources - This product 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 product dealer or local power company. For product intended to operate from battery power, or other sources, refer to the operating instructions.
16) Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17) Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
18) Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the AC cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way, and
    f) When the product exhibits a distinct change in performance - this indicates a need for service.
19) Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
20) Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

IMPORTANT SAFETY INSTRUCTIONS (continued)

21) Wall or ceiling mounting - When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.

22) Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

23) Protective Attachment Plug - The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction 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 the manufacturer that has the same overload protection as the original plug.

24) Stand - Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.

Features

SRS WOW HD™ significantly improves the playback quality of audio, delivering a dynamic 3D entertainment experience with deep, rich bass and high frequency clarity for crisp detail.

Precautions

■ General

● Please ensure that the equipment is positioned in a well-ventilated area and ensure that there is at least 4" (10 cm) of free space along the sides and top of the equipment.

● Use the unit on a firm, level surface free from vibration.
● Keep the unit away from direct sunlight, strong magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generate electrical noise.
● Do not place anything on top of the unit.
● Do not expose the unit to moisture, to temperatures higher than 140°F (60°C) or to extremely low temperatures.
● If your system does not work properly, disconnect the AC power cord from the AC outlet. Plug the AC power cord back in, and then turn on your system.
● In case of an electrical storm, unplug the unit for safety.
● Hold the AC power plug by the head when removing it from the AC outlet, as pulling the cord can damage internal wires.
● The AC power plug is used as a disconnect device and shall always remain readily operable.
● **Do not remove the outer cover, as this may result in electric shock. Refer internal service to your local SHARP service facility.**
● This unit should only be used within the range of 41°F - 95°F (5°C - 35°C).

■ Volume control

The sound level at a given volume setting depends on unit efficiency, location, and various other factors. It is advisable to avoid exposure to high volume levels, which occurs while turning the unit on with the volume control setting up high, or while continually listening at high volumes.

For U.S. customer only

CONSUMER LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when ship in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the purchaser for parts or labor for the period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to improper voltage or other misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Sharp.

The warranties described herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Model Specific Section	
Your Product Model Number & Description:	**HT-SB350(BK) Sound Bar System**
	(Be sure to have this information available when you need service for your Product.)
Warranty Period for this Product:	One (1) year parts and labor from the date of purchase.
Additional Item(s) Excluded from Warranty Coverage (if any):	Non-functional accessories, supplies, and consumable items.
Where to Obtain Service:	At a Sharp Authorized Servicer located in the United States. To find a location of the nearest Sharp Authorized Servicer, call Sharp toll free at 1-800-BE-SHARP.
What to do to Obtain Service:	Ship prepaid or carry in your Product to a Sharp Authorized Servicer. Be sure to have **Proof of Purchase** available. If you ship the Product, be sure it is insured and packaged securely.

TO OBTAIN SUPPLY, ACCESSORY OR PRODUCT INFORMATION, CALL **1-800-BE-SHARP**

SHARP ELECTRONICS CORPORATION
Sharp Plaza, Mahwah, New Jersey 07495-1163

Precautions (continued)

Warning:

● The voltage used must be the same as that specified on this unit. Using this product with a higher voltage other than that which is specified is dangerous and may result in a fire or other type of accident causing damage. SHARP will not be held responsible for any damage resulting from use of this unit with a voltage other than that which is specified.

● The supplied AC/DC adaptor contains no user serviceable parts. Never remove covers unless qualified to do so. It contains dangerous voltages, always remove mains plug from the main outlet jack before any service operation or when not in use for a long period.

● The AC/DC adaptor supplied with the HT-SB350(BK) must not be used with other equipment.

● Never use an AC/DC adaptor other than the one specified. Otherwise, problem or serious hazards may be created.

E-4

Controls and indicators
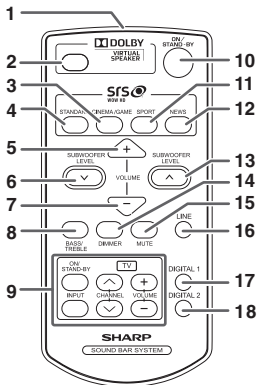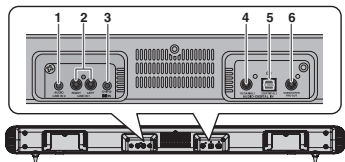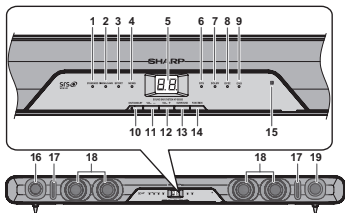
■ Front Panel

Reference page

1. Standard Indicator 11
2. Cinema/Game Indicator 11
3. Sport Indicator 11
4. News Indicator 11
5. Information Display
6. DTS Indicator 11
7. Dolby Indicator 11
8. Dolby Prologic II indicator 12
9. Dolby Virtual Sound indicator 11
10. On/Stand-by Button 11
11. Volume Down Button 11
12. Volume Up Button 11
13. Surround Button 11
14. Function Button 9, 13
15. Remote Sensor
16. Left Front Speaker
17. Bass Reflex Duct
18. Subwoofers
19. Right Front Speaker

■ Rear Panel

Reference page

1. Audio Line In 2 Socket 9
2. Line In 1 Sockets...................................... 9
3. DC IN Socket..10
4. Coaxial Digital Audio Input Socket 9
5. Optical Digital Audio Input Socket 9
6. Subwoofer Pre Output Socket.................. 8

■ Remote Control

Reference page

1. Remote Control Transmitter 10
2. Dolby Virtual Speaker Button 11
3. Cinema/Game Button
4. Standard Button
5. Volume Up Button 11
6. Subwoofer Level Down Button 12
7. Volume Down Button 11
8. Bass/Treble Button 12
9. TV Operation Buttons 6
10. On/Stand-by Button 11
11. Sport Button
12. News Button
13. Subwoofer Level Up Button.....................12
14. Dimmer Button 11
15. Mute Button 13
16. Line Button 13
17. Digital 1 Button 13
18. Digital 2 Button 13

Controls and indicators (continued)

Remote control
Plastic shield
Battery holder
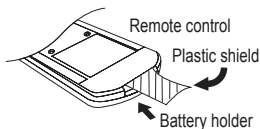
Note:
Before using remote control, please remove plastic shield at battery holder.

TV Operation Buttons (Only SHARP TV):			
On/Stand-by Button	ON/STAND-BY Sets the TV power to "ON" or "STAND-BY".	Input Select Button (TV)	INPUT Press the button to switch the input source.
Volume Up and Down Buttons	+ VOLUME − Turn up/down the TV volume.	Channel Up and Down Buttons	CHANNEL Switch up/down the TV channels.

Note: ● Some models of SHARP TV may not be operable.
● SHARP TV remote control will not work with HT-SB350(BK) system.

System preparation

Make sure to unplug the AC power cord before installing the unit or changing the position.

Select from three installation methods according to the preferred position.

Using spikes

Nuts (secured on spikes) must be used when installing spikes.
The unit can be levelled by adjusting the spikes and nuts.
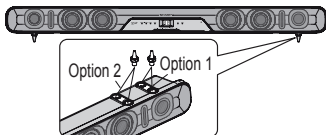
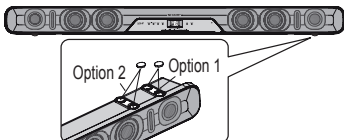Option 2 ⚏ ⚏ Option 1

Tighten all spikes as shown

Notes:
● Option 1 or option 2 indicates spike positions based on LCD TV stand.
● When attaching the spikes, place the unit on a cushion or soft cloth to avoid damage.

Caution:
When using these spikes on glossy or slippery table such as on glass top, stick foot cushions at the bottom of the spikes to avoid slippage.

Using foot cushions

Option 2 ⚬ ⚬ Option 1

Attach foot cushions as shown

Note:
Option 1 or option 2 foot cushion positions based on LCD TV stand.

To mount the unit on the wall

Caution:
● Be very careful to prevent the unit [4.19 lbs. (1.90 kg)] from falling when mounting on the wall.
● Before mounting, check the wall strength. (Do not put on the veneer plaster or whitewashed wall. The unit may fall.) If unsure, consult a qualified service technician.
● Mounting screws are not supplied. Use appropriate ones.
● Check all wall mount angle screws for looseness.
● Select a good location. If not, accidents may occur or the unit may get damaged.
● **SHARP is not responsible for accidents resulting from improper installation.**
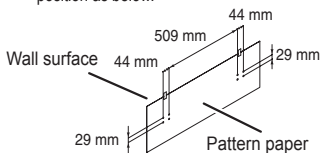
System preparation (continued)

■ Driving screws

SHARP designed the speakers so you may hang them on the wall. Use proper screws (not supplied). See below for size and type.

3/16" (5 mm)

1/8" (3.2 mm)

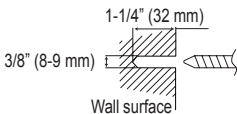3/8" (9 mm)

Min. 7/8" (22 mm)
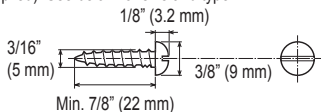
■ Wall mount angle fixed to the wall (Horizontal position)

**1** Fix the pattern paper to the wall in horizontal position as below.

Wall surface

44 mm

509 mm

44 mm

29 mm

29 mm

Pattern paper

2 Make a hole on the wall following the screw point marks on the pattern paper by using a drill.

1-1/4" (32 mm)

3/8" (8-9 mm)

Wall surface

3 Fix a wall mount plug into the hole using a hammer, until it is flush with the wall surface.

1-1/4" (32 mm)

3/8" (8-9 mm)

Wall surface
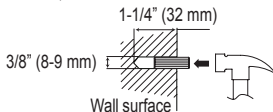
4 Screw the wall mount angle to the wall as shown in the illustration. (Total screw is 8 pieces)

Wall mount angle

Wall surface

Wall mount angle

(screws x 4)

(screws x 4)

Wall surface

Wall mount angle
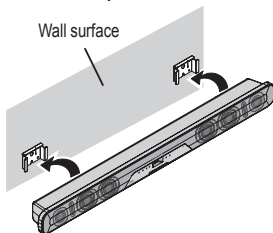
Wall surface
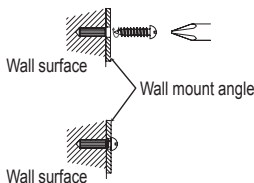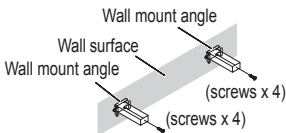
Note:
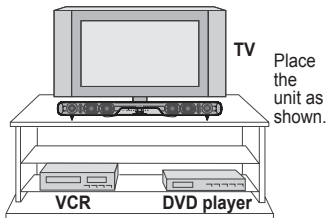Make sure all screws are fully tightened. (screws are not supplied)

■ Installing the sound bar

1 Align the wall mount slot at the unit to the wall mount angle.
2 Slot the unit into the wall mount angle.
3 Fix them securely.

Wall surface

Placing the sound bar

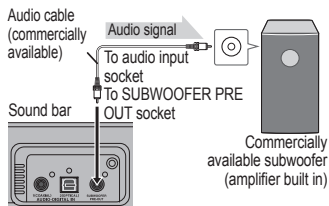Installation image:

Place the unit as shown.

Notes:
● As the sound from the speaker is omni-directional, you can place it anywhere you like. However, it is recommended to place it as close to the TV as possible.
● The front panel of the unit is not removable.

Caution:
● Do not change the installation direction when the unit is turned on.
● Do not stand or sit on the unit as you may be injured.
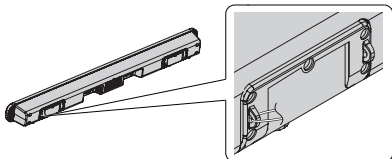
■ Using other subwoofer

You can connect a subwoofer with an amplifier to the SUBWOOFER PRE OUT socket.

Audio cable (commercially available)

Audio signal

To audio input socket
To SUBWOOFER PRE OUT socket

Sound bar

Commercially available subwoofer (amplifier built in)

Note:
No sound is heard from the subwoofer without a built-in amplifier.

Falling prevention

Safety wires (not supplied) are useful to prevent the unit from falling off the table.
Loop the safety wires (not supplied) into each hole as shown and tie the safety wires to the LCD TV stand.

Sound bar connections to TVs

Caution:
Turn off all other equipment before making any connections.

Tuner receiving for other audio system
● Placing the antenna near the unit AC power cord may cause noise pick up. Place the antenna away from the unit for better reception.
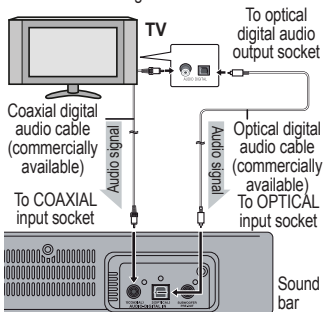
Notes:
● To connect to TV, use either digital or analog terminals located at the rear of the unit.
● Refer the operation manual of the equipment to be connected.
● Fully insert the plugs to avoid fuzzy pictures or noises.

Sound bar connections to TVs (continued)

■ Connecting to a TV

Digital connection:
Connect to the TV using an optical digital audio cable or a coaxial digital audio cable.

TV

To optical digital audio output socket

Coaxial digital audio cable (commercially available)

Audio signal

Optical digital audio cable (commercially available)

To COAXIAL input socket

To OPTICAL input socket

Sound bar

To select DIGITAL 1 (coaxial input) or DIGITAL 2 (optical input) function:
- On the unit: Press FUNCTION button repeatedly until "d1" or "d2" is displayed.
- On remote control: Press DIGITAL 1 or DIGITAL 2 button and "d1" or "d2" is displayed.
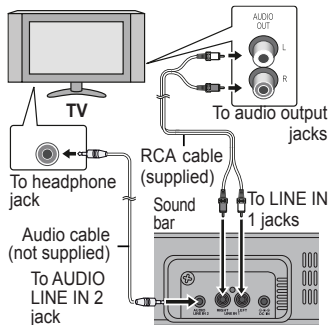
Analog connection:
If the TV/monitor has an audio output, connect it to the LINE IN 1 or LINE IN 2 jacks on the rear of the unit.
To select LINE IN 1 or LINE IN 2 function:
- On the unit: Press FUNCTION button repeatedly until "L1" or "L2" is displayed.
- On remote control: Press LINE button repeatedly until "L1" or "L2" is displayed.

Notes:
- If the TV volume is continuously in low level, the unit will automatically power off. Increase the TV output volume to enjoy the sound from the speaker.
- If the speaker volume is continuously in very high level, the unit will mute and recover after 3 seconds.
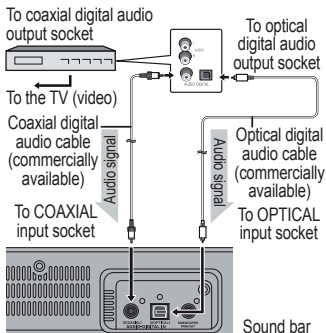
TV

AUDIO OUT
L
R

To audio output jacks

To headphone jack

RCA cable (supplied)

To LINE IN 1 jacks

Sound bar

Audio cable (not supplied)

To AUDIO LINE IN 2 jack

■ Connecting a digital tuner, etc.

Connect to the digital tuner, etc. using an optical digital audio cable or a coaxial digital audio cable.

To select DIGITAL 1 (coaxial input) or DIGITAL 2 (optical input) function:
- On the unit: Press FUNCTION button repeatedly until "d1" or "d2" is displayed.
- On remote control: Press DIGITAL 1 or DIGITAL 2 button and "d1" or "d2" is displayed.

To coaxial digital audio output socket

To optical digital audio output socket

To the TV (video)

Coaxial digital audio cable (commercially available)

Audio signal

Optical digital audio cable (commercially available)

To COAXIAL input socket

To OPTICAL input socket

Sound bar

Note:
When connecting with an optical digital cable, set the digital output of the digital tuner to PCM. Refer to the operation manual of the digital tuner.

AC power connection

After checking all the connections have been made correctly, connect the AC power cord to the AC power input jack, then to the AC outlet.

■ Using with the AC/DC adaptor

① Plug the AC power cord into the AC/DC adaptor.
② Plug the AC/DC adaptor cable into the DC INPUT jack on the unit.
③ Plug the AC power cord into an AC outlet.

Notes:
● There will be no indication during power standby mode unless the ON/STAND-BY button is pressed.
● Unplug the AC/DC adaptor from the AC outlet if the unit will not be used for a prolonged period of time.
● Use only the supplied AC/DC adaptor. Using other AC/DC adaptor may cause an electric shock or fire.

AC/DC Adaptor Cable
DC IN jack (DC 12V)
AC power cord
AC/DC Adaptor
AC outlet (AC 100 - 240 V ~ 50/60 Hz)
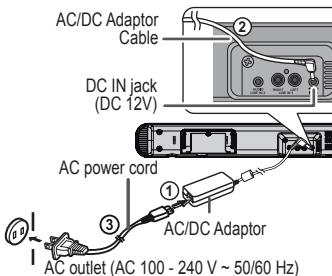
Caution:
If this product is to be used in other than 120 V region, please change the AC power cord to suit the region.

Remote control

■ Battery installation

This product contains a CR Coin Lithium Battery which contains Perchlorate Material – special handling may apply, California residents, see www.dtsc.ca.gov/hazardouswaste/perchlorate/

1 Insert pin into the hole as shown and pull to open the battery holder.

Pin

Back of remote control
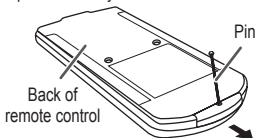
2 Remove the old battery from the battery holder, insert the new battery and then slide the battery holder back into the remote control.

Battery holder
Battery type
Polarity (+) symbol
Locking tab
Positive (+) side up
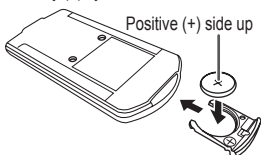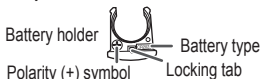
Precautions for battery use:
Remove the battery if the unit will not be used for a long period of time. This will prevent potential damage due to battery leakage.

Caution:
● Do not use rechargeable battery (nickel-cadmium battery, etc.).
● Danger of explosion if battery is incorrectly replaced.
● Replace only with the same or equivalent type.
● Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
● Installing the battery incorrectly may cause the unit to malfunction.

Notes concerning use:
● Replace the battery if the operating distance is reduced or if the operation becomes erratic. Purchase "CR 2025", coin lithium battery.
● Periodically clean the transmitter on the remote control and the sensor on the unit with a soft cloth.
● Exposing the sensor on the unit to strong light may interfere with operation. Change the lighting or the direction of the unit if this occurs.
● Keep the remote control away from moisture, heat, shock, and vibrations.

General control
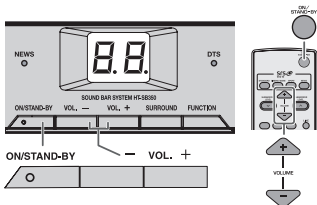
■ To turn the power on

Press the ON/STAND-BY button.
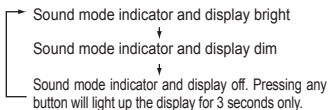The sound mode indicator and display light up.

Note:
If the power does not turn on, check whether the power cord is plugged in properly.

To set the unit to stand-by mode:
Press the ON/STAND-BY button again.

■ Display brightness control

Press the DIMMER button to adjust the brightness of the display and sound mode indicator.

→ Sound mode indicator and display bright
↓
Sound mode indicator and display dim
↓
Sound mode indicator and display off. Pressing any button will light up the display for 3 seconds only.

■ Volume auto fade-in

If you turn off and on the unit with the volume set to 40 or higher, the volume starts at 20 and fades in to the last set level.
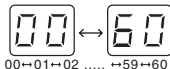
■ Volume control

Unit operation:
Press volume up (VOL. +) to increase the volume and press volume down (VOL. –) to decrease the volume.

Remote control operation:
Press the VOLUME + button to increase the volume and the VOLUME – button to decrease the volume.

00↔01↔02 ..... ↔59↔60

■ Muting

The volume is muted temporarily when pressing the MUTE button on the remote control. Press again to restore the volume.
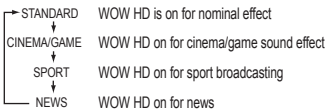
■ Preset sound mode

Main unit operation:
To change to a different mode, press the SURROUND button repeatedly until the desired sound mode lights up.

Remote control operation:
Press a desired sound mode on the remote control.

STANDARD CINEMA/GAME SPORT NEWS

→ STANDARD   WOW HD is on for nominal effect
↓
CINEMA/GAME   WOW HD on for cinema/game sound effect
↓
SPORT   WOW HD on for sport broadcasting
↓
NEWS   WOW HD on for news

■ Dolby Virtual Speaker (DVS) sound mode

The Dolby Virtual Speaker (DVS) creates virtual surrounds comparable to the 5.1ch sound produced by the 2.1ch speaker. When setting DVS to "ON" for 2 channel stereo signals, Dolby Pro Logic II brings out virtual sound effects through the signals converted into 5.1ch.

Press the DVS button.
The Dolby Virtual Speaker indicator lights up.
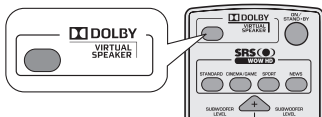
Notes:
● Monaural signals do not generate surround effects.
● DVS sound effect may not be obtained depending on signal types (the Dolby Virtual Speaker indicator blinks). In this case, set the DVS mode to "OFF".

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General control (continued)

The Dolby Virtual Speaker creates multichannel-like sound effects.
Compared with the cinema mode, the bass sound level is slightly reduced.
The Dolby Pro Logic II indicator also lights up if 2ch sound signals are detected.

- DVS can only be turned on using remote control.
- If you turn ON DVS, WOW HD will automatically turn OFF.
- The DVS can be turned OFF by pressing any of the preset sound mode buttons.

This product incorporates decoders supporting the Dolby Digital system and DTS system.

DTS (Digital Theater Systems)	One of the digital audio systems for theatrical use. As the sound quality is emphasized, you can enjoy the realistic sound effect in the home theater system.
	Lights up when detecting DTS signal.

Dolby Digital	One of the digital audio systems for theatrical use. You can also enjoy the stereophonic effect in the home theater system.
	Lights up when detecting Dolby Digital signal.

Dolby Pro Logic II	System expanding 2ch stereo sound to more spacious sound. When setting Dolby Virtual speaker to "ON", Dolby Pro Logic II is activated to enjoy the stereo sound effect.
	Lights up when Dolby Pro Logic II is activated.

■ Subwoofer level control

The speaker level can be adjusted.
To increase the level, press the SUBWOOFER LEVEL ∧ button.
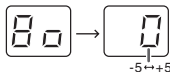**To decrease** the level, press the SUBWOOFER LEVEL ∨ button.

-5↔-4 ... ↔4↔5

Note:
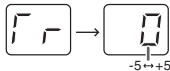When sound from the speaker is distorted, decrease the subwoofer level.

■ Bass control

1 Press the BASS/TREBLE button to select "BASS".

2 Within 5 seconds, press the VOLUME (+ or –) button to adjust the bass.

-5↔+5

■ Treble control

1 Press the BASS/TREBLE button to select "TREBLE".

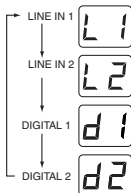2 Within 5 seconds, press the VOLUME (+ or –) button to adjust the treble.

-5↔+5

■ Function

On the unit:
When the FUNCTION button is pressed, the input source will change. Press it repeatedly to select desired input source.

LINE IN 1 → $L1$

LINE IN 2 → $L2$

DIGITAL 1 → $d1$

DIGITAL 2 → $d2$

On remote control:
Press the LINE button repeatedly to select "L1" (LINE IN 1 input) or "L2" (LINE IN 2 input).

Press the DIGITAL 1 button to select „d1" or DIGITAL 2 button to select „d2".

Note:

The backup function will protect the memorized function mode for a few hours should there be a power failure or the AC power cord becomes disconnected.

Auto power on function:

When you press the LINE / DIGITAL 1 / DIGITAL 2 button on the remote control, the unit will turn on at the selected function.

Auto power off and auto detect signal:

● The unit will automatically go to stand-by mode (indicator turns red) if :

1. No signal is detected within 20 minutes.

2. "d1" or "d2" display is blinking for 20 minutes during power on.

● The unit will automatically power ON if it detects audio signal from connected equipment, unless it is turned off manually.

Troubleshooting chart

Many potential problems can be resolved by the owner without calling a service technician.
If something is wrong with this product, check the following before calling your authorised SHARP dealer or service center.

■ General

Symptom	Possible cause
No sound is heard.	● Is the input signal (selection) set properly? ● Is the volume level set to "0"? ● Is muting activated?
Noise is heard during playback.	● Move the unit away from any computers or mobile phones.
When a button is pressed, the unit does not respond.	● Set this unit to the stand-by mode and then turn it back on.
The power is not turned on.	● Is the unit unplugged? (Refer to page 10) ● The protection circuit may be activated. Unplug and plug in the power cord again after 5 minutes or more.
The information is not displayed even if the unit is turned on.	● Is the unit set to "Dimmer display off" mode?

■ Remote control

Symptom	Possible cause
The remote control does not operate properly.	● Is the battery polarity correct? ● Is the battery dead? ● Is the distance or angle incorrect? ● Are there any obstructions in front of the unit? ● Is there a strong light shining on the remote sensor? ● Is the remote control for another equipment used simultaneously?

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Troubleshooting chart (continued)

| Symptom	Possible cause
The unit cannot be turned on with the remote control.	● Is the AC power cord of the unit plugged in? ● Is the battery inserted?
TV cannot be operated with the remote control.	● Depending on the model, some or all functions may not be operable using the remote control of this unit. In this case, use the remote control supplied with the TV.

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet or on the transmitter on the remote control.

Condensation can cause the unit to malfunction. If this happens, leave the power on until normal operation is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.

■ Factory reset, clearing all setting

Make sure to disconnect all audio input cables attached to the unit before performing the factory reset.

1. Press the ON/STAND-BY button to enter the power stand-by mode.
2. While pressing the SURROUND button, press and hold the ON/STAND-BY button until "CL" appears.

SURROUND ⇒ ON/STAND-BY ⇒ `CL`
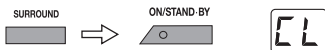
Caution:

This operation will erase all data stored in memory.

■ If problem occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

If such a problem occurs, do the following:

1 Set the unit to the stand-by mode and turn the power on again.

2 If the unit is not restored in the previous operation, unplug and plug in the unit, and then turn the power on.

Error indicators and warnings

When you fail to perform operations properly, the following messages are displayed on the unit.

Display	Meaning

`E 1`
or
`E 2`
or
`E 3`
	● Malfunction of the surround circuit. Place the unit away from noise source and plug the AC power cord into another AC outlet. (*)

`d 1`
or
`d 2`
(Display blinks continuously)
	● When there is no input signal. Play back the connected equipment.
	● Nonstandard signal. Cannot be recognized. Signals other than DOLBY DIGITAL, DTS, Linear PCM cannot be recognized.
	● Poor connection of the digital audio input terminal. Turn off the unit and check if the cable is connected properly.

Power indicator (blinks red)	● When the protection circuit is activated.

(*): Should the same message appear even if the unit is unplugged and plugged in or is set to the stand-by mode and on again, contact your local dealer where you purchased the unit.
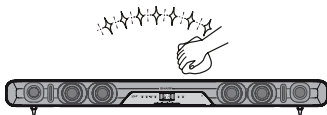
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Maintenance

■ Cleaning the cabinet

Periodically wipe the cabinet with a soft cloth.

Caution:
● Do not use chemicals for cleaning (petrol, paint thinner, etc.). It may damage the cabinet finish.
● Do not apply oil to the inside of each component. It may cause malfunctions.

Specifications

As part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production unit. There may be some deviations from these values in individual unit.

■ General

Power source	DC IN 12V $---$ 4A: AC/DC adaptor (AC 100 - 240 V ~ 50/60 Hz)
Power consumption	11 W
Maximum output power	32 W
Speaker	2.1-way Speaker System Front Speakers: 1-1/2" (40 mm) Full Range Impedance: 12 ohms/channel. Subwoofer: 2-1/4" (57 mm) Woofer x 4 Impedance: 3 ohms (12 ohms x 4 parallel connection)

Input terminals	Analog input (LINE 1): RCA type x 1pair (L/R) 500 mV / 47 kohms Analog input (LINE 2): Stereo mini jack Ø 3.5 mm 100 mV / 47 kohms Coaxial digital input (DIGITAL 1): RCA type x 1 Optical digital input (DIGITAL 2): Square type x 1
Audio output terminals	Subwoofer Pre Out: 10 kohms
Dimensions	Width: 33-1/2" (851 mm) Height: 3-3/4" (96 mm) Depth: 2-3/4" (70 mm)
Weight	4.19 lbs. (1.90 kg)

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