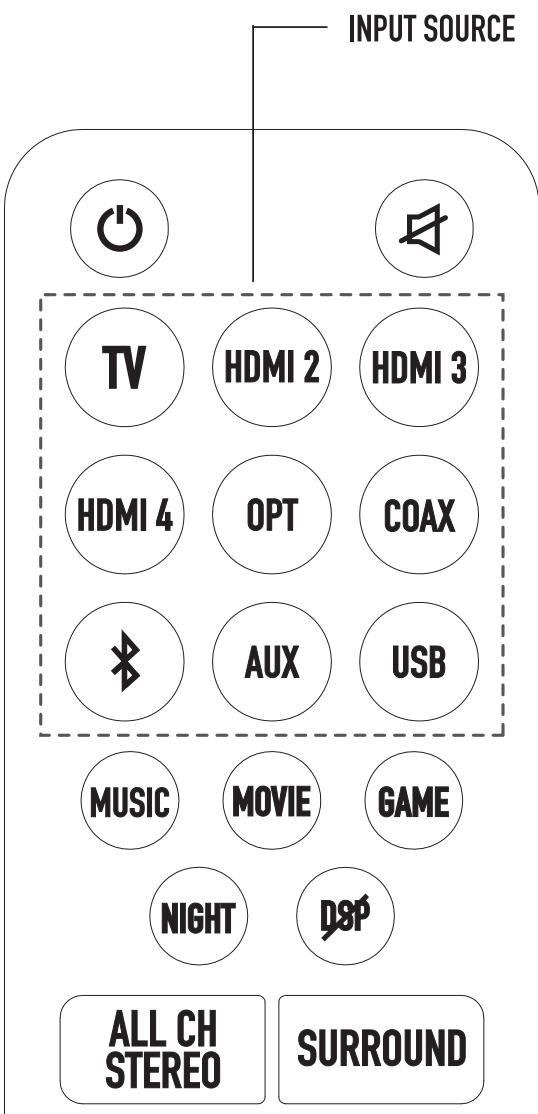


3 UNDERSTANDING YOUR REMOTE CONTROL

B. SELECTING DIFFERENT INPUT SOURCES

Press source buttons to select an audio input source. Each input source will be displayed on the soundbar's front LED display.



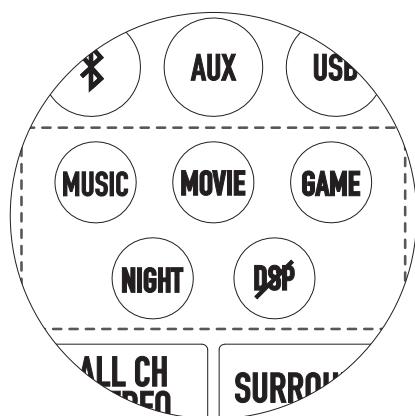
Button	LED Digits on Soundbar
TV	TV
HDMI 2	HDMI 2
HDMI 3	HDMI 3
HDMI 4	HDMI 4
OPT (Optical)	OPT
COAX (Coaxial)	COAX
Bluetooth	BT
AUX	AUX
USB	USB

For expanded remote control guide, scan QR code
or visit: bit.ly/92max-shockwave-remote



3 UNDERSTANDING YOUR REMOTE CONTROL

C. ACCESSING AUDIO PRESETS



EQ (EQUALIZER)

Press the EQ buttons on your remote to select your desired EQ settings for your preference. The system will remember the last setting.



For expanded remote control guide,
scan QR code or visit:
bit.ly/92max-shockwave-remote

MUSIC	MUSIC	Creates the acoustic environment of your music and makes you feel like you are seated in front of the stage.	MUSIC
MOVIE	MOVIE (Default)	Reproduces the thrilling environment and takes you to the center of the action. Feel the dynamic excitement.	MOVIE
GAME	GAME	Reproduces sound field effects for all game genres and adds depth and spaciousness to your game's surround sound	GAME
	NEWS	Makes you feel like you are in the front row of a live talk show. Hear crystal clear dialog.	NEWS
	SPORTS	Reproduces the energetic environment of live sports broadcasts. Place the commentator's voice center stage and lets the sounds that fill the stadium surround you.	SPORTS
DSP OFF	DSP OFF	Audio playback without using any predefined Nakamichi EQ settings.	DSP OFF

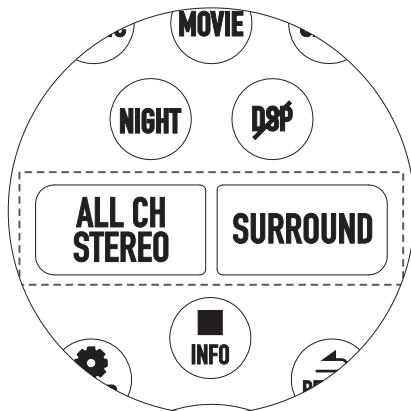
NIGHT MODE

Night mode feature normalizes the overall volume to avoid sudden changes in loudness. This feature is available with DTS:X and DOLBY contents on HDMI, HDMI ARC, Optical and Coaxial inputs.

NIGHT	OFF (Default)	Volume normalization OFF. Maximum audio impact on video content.	DRC OFF
	50%	50% of volume normalization	DRC 50
	100%	100% of volume normalization, recommended for night time listening	DRC 100
	AUTO	Contextual adaptive volume normalization to retain audio dynamism during normalization (For DOLBY content only)	DRC AUTO

3 UNDERSTANDING YOUR REMOTE CONTROL

D. ACCESSING CHANNEL MAPPING / UPMIXING



CHANNEL MAPPING

Channel mapping / upmixing is essential because most content is not recorded in 9.2 channels. The soundbar utilizes different channel mapping methods to optimize your listening experience. Dolby & DTS encode their own content with their respective proprietary upmixers to optimize surround performance.



For expanded remote control guide,
scan QR code or visit:
bit.ly/92max-shockwave-remote

Dolby Upmixing (Available for Dolby and PCM contents)

SURROUND	Native	Direct decode 2.1/5.1/7.1 channel audio (No audio upmixing). Best for music and Bluetooth.	NATIVE
	DOLBY UPMIX	Dolby technology upmixes audio content to all audio channels.	DOLBY UPMIX
	DOLBY SURR (Default)	Dolby technology upmixes audio content to all audio channels with vertical surround effects. (See page 40 for details)	DOLBY SURR

DTS Upmixing (Available for DTS content only)

SURROUND	Native	Direct decode 2.1/5.1/7.1 channel audio (No audio upmixing). Best for music and Bluetooth.	NATIVE
	DTS DIRECT	System DSP upmixes audio content to all audio channels.	DOLBY UPMIX
	NEURAL:X (Default)	DTS technology upmixes audio content to all audio channels. Set to NEURAL:X to receive audio from all rear speakers. (See page 40 for details)	DOLBY SURR

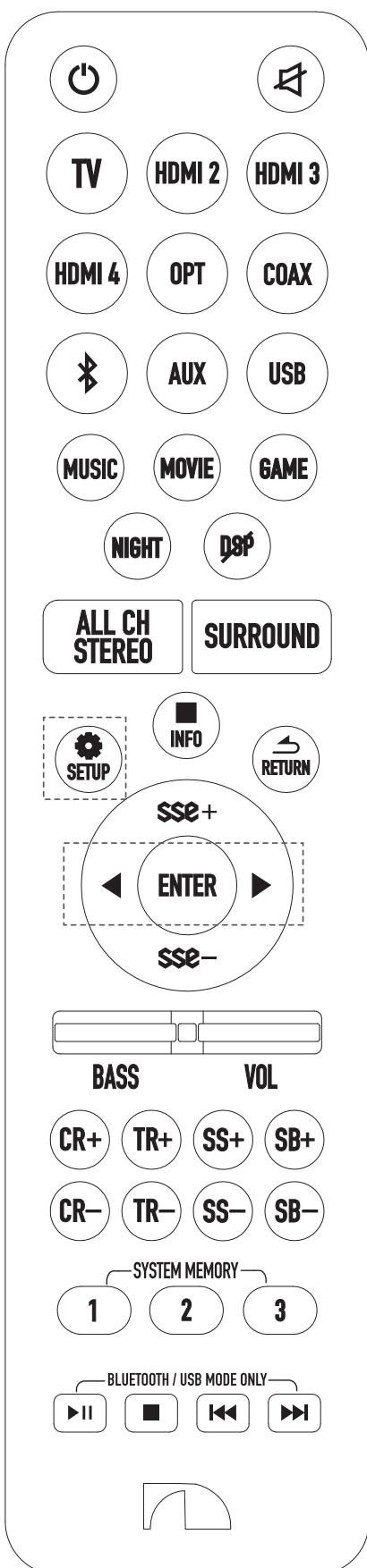
ALL Channel Stereo / Stereo Only Mode

ALLCH STEREO	DTS, Dolby & PCM	Enables 3 channels (Left, Center, Right) playback on the soundbar. Front channels are upmixed and outputted to surround speakers	ALLCH STEREO
STEREO ONLY	DTS	Enables 2-channels stereo playback using the right front and left front channels. It down-mixes DTS multi-channel signals to 2 Channels.	STEREO ONLY
	DOLBY & PCM	Enables 3-channels (Left, Center, Right) playback using the right front, center and left front channels. It down-mixes Dolby & PCM multi-channel signals to 3 Channels.	

Note: For Bluetooth input, ALL CH STEREO mode will be turned ON by default

3 UNDERSTANDING YOUR REMOTE CONTROL

E. ACCESSING ADVANCED SYSTEM SETTINGS (Accessible in all inputs)



1. Press the **SETUP** (⚙) button to cycle through different system settings.

Please refer to the table below for learn more about the options available

2. Press **ENTER** to select desired function for adjustment (Refer to table below)

3. Press **◀ / ▶** button to change the **SELECTION** value*

* To select different settings or exit the SETUP function:

- Press **RETURN** button to quit the current action and back to SETUP list to select different settings.
- Press **SETUP** button to exit SETUP function

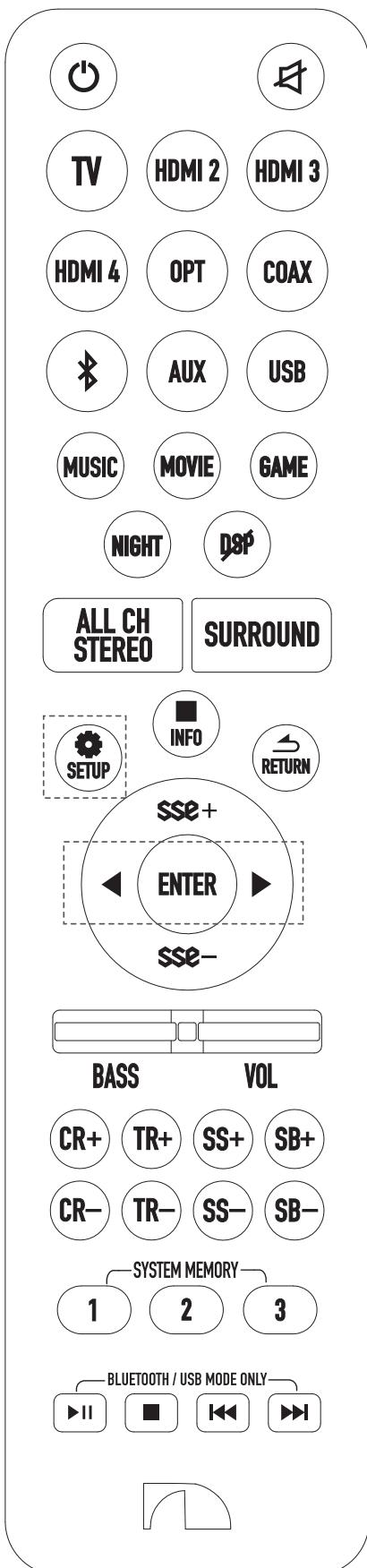
4. Press **ENTER** button to save your settings value.

Function	Selection	Options
Wireless Subwoofer channel selection (between soundbar / subs and surrounds)	WL-CH (Default: AUTO)	AUTO WL C1 - WL C6
LED Brightness	DIM (Default: 3) *DIM=0, Display will turn off after a few seconds	0* 1 2 3
LIP SYNC*	LIP (Default: 00ms)	00ms - 200ms
Room Size (Refer to pg 28 for more details)	RM Size (Default: Med)	SMALL MED LARGE
Surround On / Off	SURR ON/OFF (Default: On)	ON OFF
DOLBY & DTS:X Dynamic Range Compression (DRC) (Normalizing sudden loud volume)	DRC (Default: Off)	OFF 50 100 AUTO
Power Saving (30 mins auto power off without any input signal)	ECO (Default: ON)	OFF ON
Subwoofer Crossover Frequency (Allows to send each speaker the group of frequencies that it will play most efficiently)	CROSS (Default: 180Hz)	110Hz 140Hz 180Hz

* When vocals on TV does not match up with the sound of speaking.

3 UNDERSTANDING YOUR REMOTE CONTROL

F. ACCESSING ADVANCED SYSTEM SETTINGS (Accessible in all inputs)



Function	Selection	Options
Volume Balance for RIGHT Surround and RIGHT Rear Speakers	RSURR (Default: 00)	-3 To +3
Volume Balance for LEFT Surround and LEFT Rear Speakers	LSURR (Default: 00)	-3 To +3
HDMI-CEC: One Touch Play* (Enable or disable HDMI CEC connection between soundbar and TV)	CEC-OTP (Default: ON)	OFF
		ON
DIALOG CONTROL (DTS:X Content Only) (Increase dialog levels in contrast with background sound and boost vocals separately)	DIALG (Default: +3)	DIA+1 to DIA+6
Firmware Upgrade (Refer to page 37 for more details)	FWUPG	UPGRADING
		DONE
		FAIL
Subwoofer Pairing (Refer to page 34 for more details)	SUB PAIR	PAIRING
		DONE
		FAIL
Factory Reset (System will restart when selecting YES)	RESET	YES
		NO

* **CEC-OTP: HDMI-CEC ONE TOUCH PLAY** is a HDMI function on the soundbar that automatically switches between HDMI sources. (E.g. Auto switch to ARC mode when a TV is powered on). By turning OFF the One Touch Play, you can manually select the input sources by using soundbar remote or Harmony universal remotes.

3 UNDERSTANDING YOUR REMOTE CONTROL

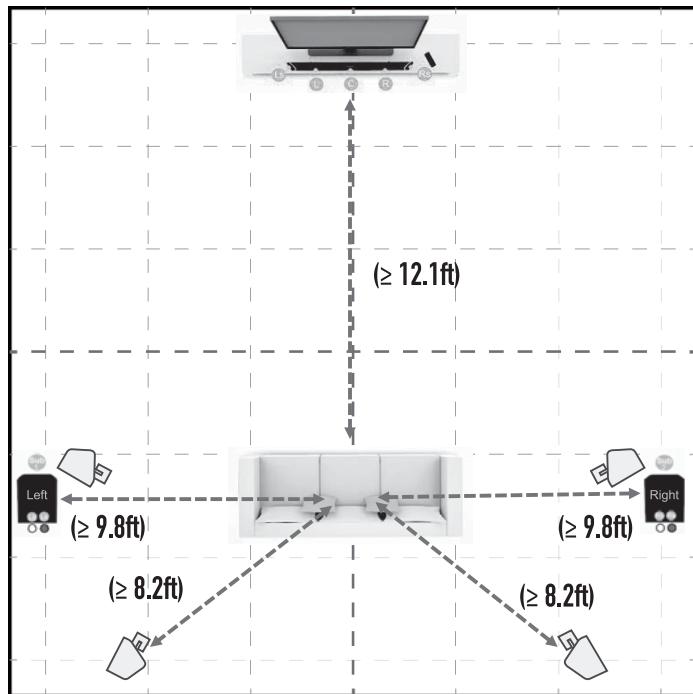
E. ACCESSING ROOM SIZE BUTTON

For instant surround optimization to Small, Medium and Large Rooms, there are 3 pre-tuned acoustic environments. To access,

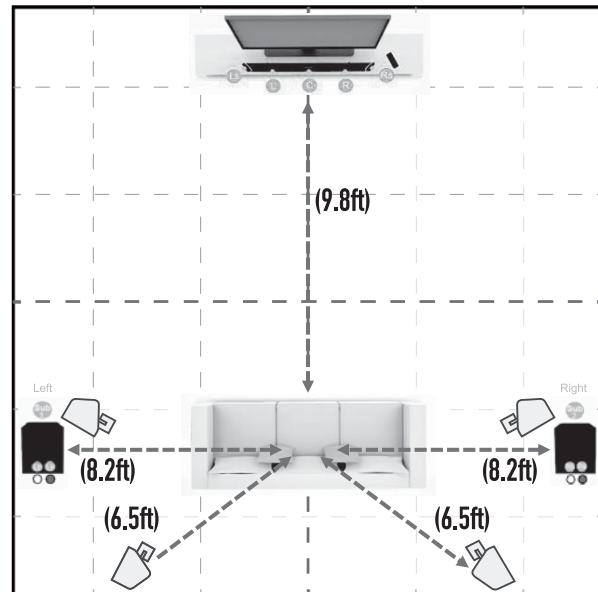
1. Press **SETUP** (⚙) button several times to access Room Size (RM SIZE)
2. Press **◀/▶** button to change the **SELECTION** value (SMALL, MED, LARGE)
3. Press **ENTER** button to save setting value.

Selection	Options	Size (Sq ft.)	Dimensions (Length x Width (ft))
RM Size (Default: Med)	SMALL	196	14 x 14
	MED	324	18 x 18
	LARGE	484	22 x 22 or bigger

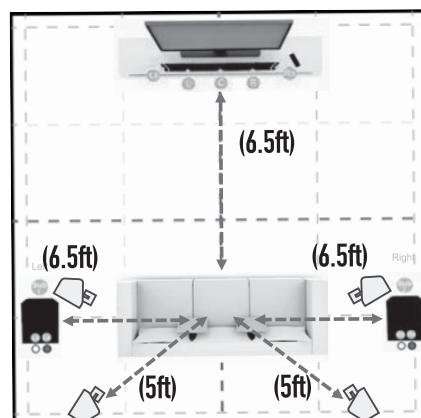
LARGE ROOM



MEDIUM ROOM



SMALL ROOM

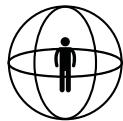


SPATIAL SURROUND ELEVATION (SSE) MAX MODE

Combination of proprietary software and hardware solutions into a plug-and-play platform that enhances the fidelity and surround realism of the latest audio formats, duplicating the 360° cinema experience at home. (SSE OFF = No vertical surround effects)

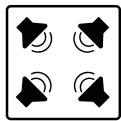


WHAT IS SSE MAX



Spatial

Performs spatial-amplification techniques to unlock extra details, enhance directionality and enlarge spaciousness of the surround sound experience



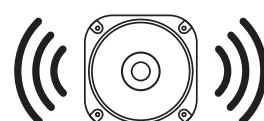
Surround

Executes upmixing, phase and volume improvements to optimize the clarity and balance of the surround sound across all channels, delivering up to 9.2.4 channels



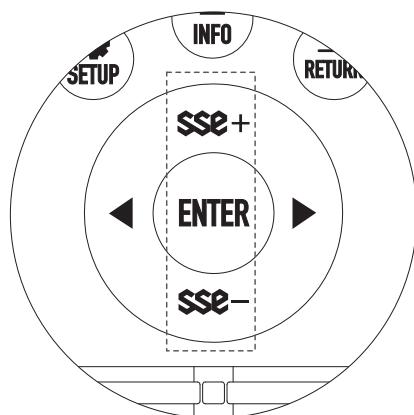
Elevation

Enables the processing of all the latest 3D object-based content, including Dolby Atmos, and interlaces a height effects sound layer

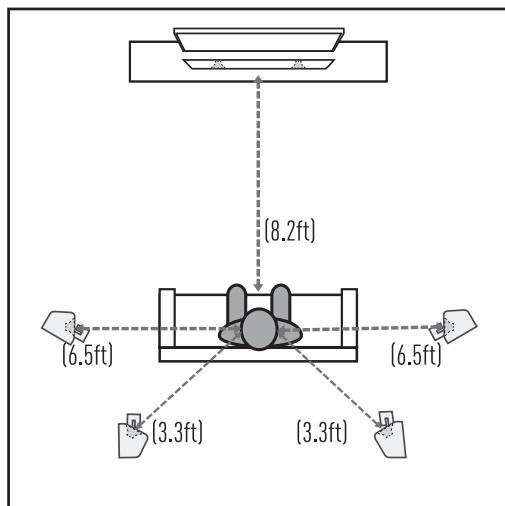


Max

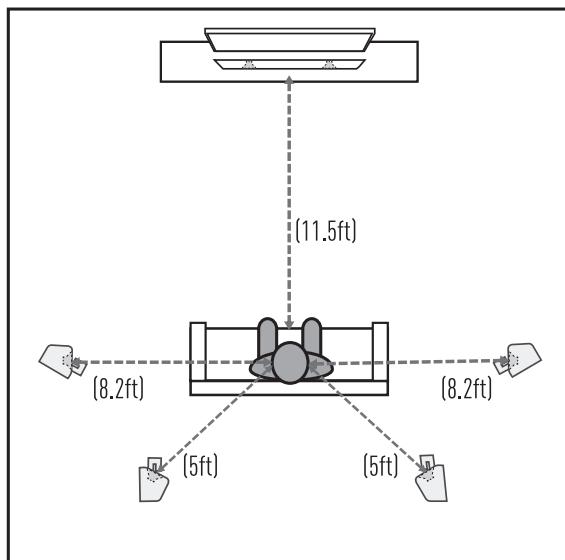
An integration of new-generation amplifiers and extended range twin-cone drivers to add power, intensity and head-turning surround directionality.



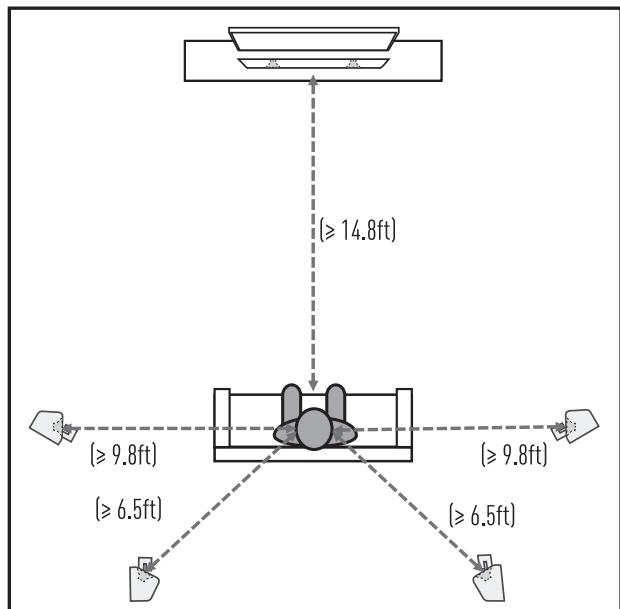
SSE MAX 1



SSE MAX 2

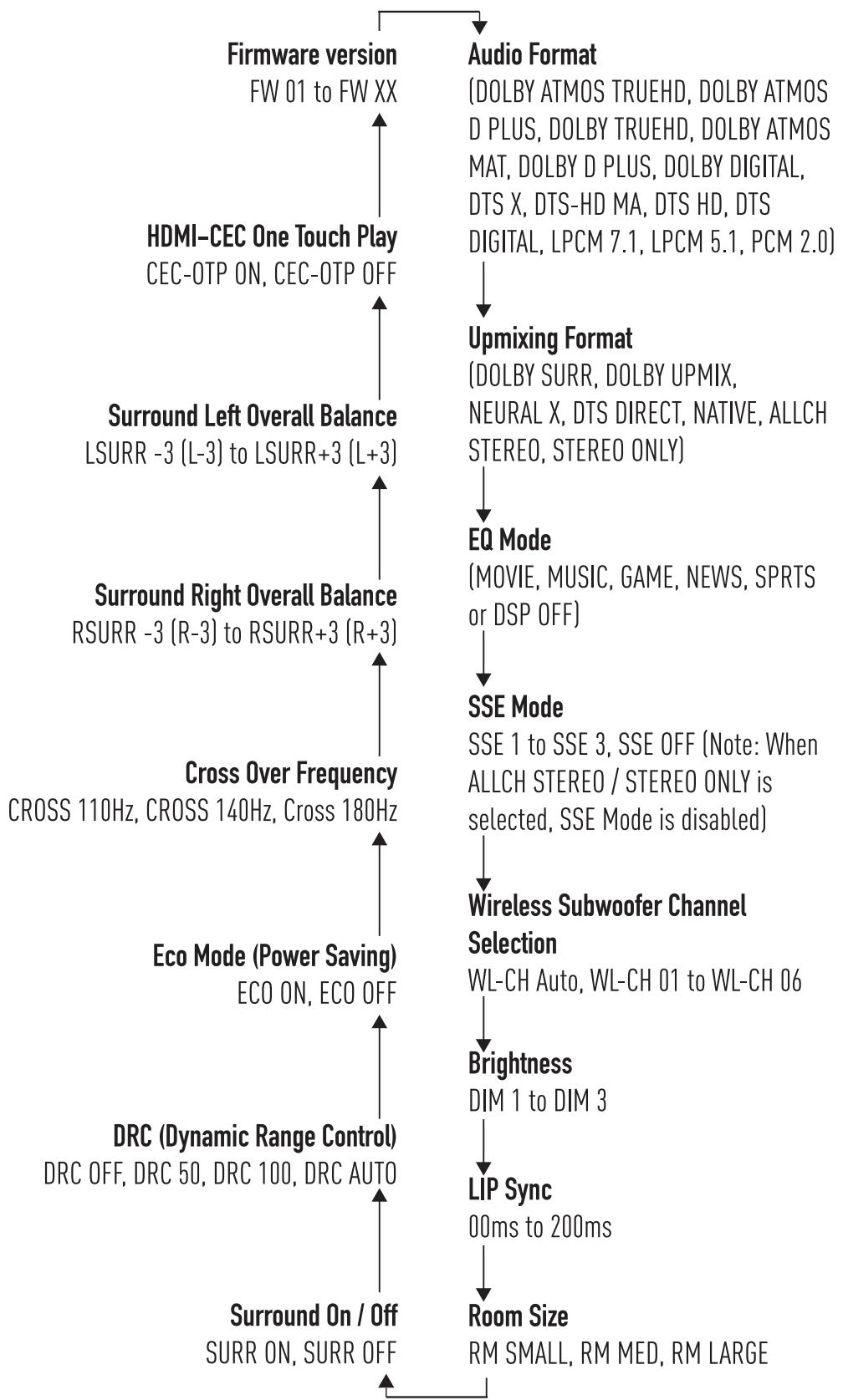
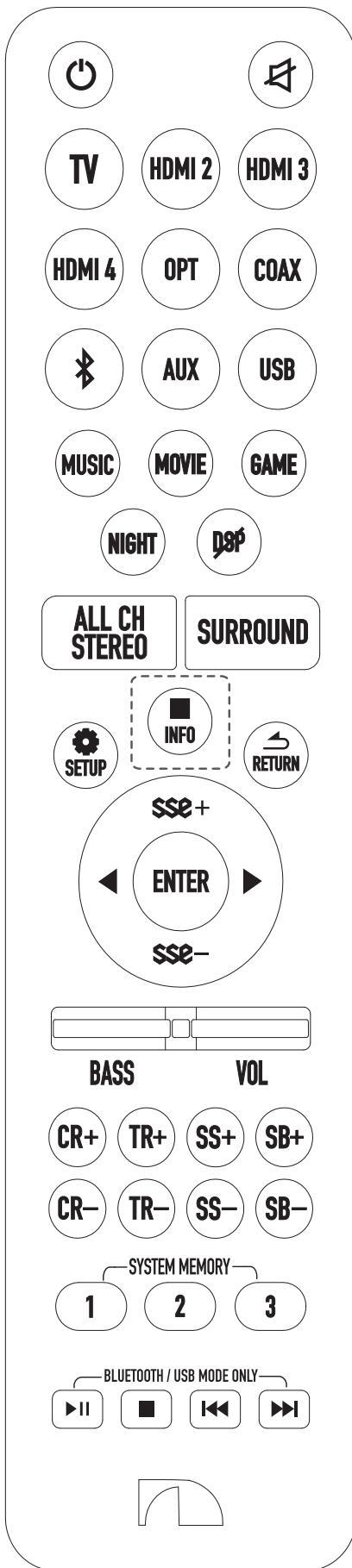


SSE MAX 3



3 UNDERSTANDING YOUR REMOTE CONTROL

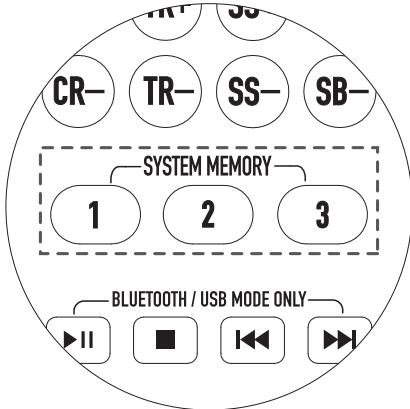
H ACCESSING INFO BUTTON



3 UNDERSTANDING YOUR REMOTE CONTROL

I SAVING AUDIO SETTINGS TO SYSTEM MEMORY

Three sets of audio settings can be saved onto the soundbar's memory, allowing quick access to your audio preferences.



Function	Button	LED Digits on Soundbar
SYSTEM MEMORY	Customized Memory 1 Long press to Save 1 Once saved, show M1SET	SAVE1 M1SET
	Customized Memory 2 Long press to Save 2 Once saved, show M2SET	SAVE2 M2SET
	Customized Memory 3 Long press to Save 3 Once saved, show M3SET	SAVE3 M3SET

Saving Settings to System Memory

1. Hold down the SYSTEM MEMORY 1 / 2 / 3 button until "SAVE1" / "SAVE2" / "SAVE3", corresponding to the button pressed, is displayed on LED.
2. When the SYSTEM MEMORY 1 / 2 / 3 settings are saved, "M_SET" is displayed.

Loading the Setting

Press the SYSTEM MEMORY 1 / 2 / 3 button once and the corresponding settings will be loaded. If the SYSTEM MEMORY 1 button is pressed, "M1" will be displayed.

💡 Tip

1. If the system settings are already stored in the selected memory 1 / 2 / 3, the system overwrites the old settings.
2. The following audio settings can be saved to system memory:
 - a) EQ Mode
 - b) Volume
 - c) Bass
 - d) Treble
 - e) Center
 - f) Surround L&R
 - g) Surround Back L&R

4 WIRELESS BLUETOOTH AUDIO STREAMING

A BLUETOOTH 5.1 WITH aptX

Stream music wirelessly from your mobile device via Bluetooth (BT) with aptX. BT audio transmission is often compressed using bit-rate reduction, Qualcomm aptX audio technology uses larger transmission bandwidth to allow higher resolution audio streaming, reproducing pure sound as good as wired connection.

Maximizing Signal

A Bluetooth signal has a range of up to 30 feet. If you hear any break-up or disconnect while streaming music from your device, move the source device closer to the soundbar.

Note: Soundbar will be switched to ALL CHANNEL STEREO in Bluetooth mode.

B BLUETOOTH PAIRING

To pair the soundbar with a Bluetooth device:

1. Set your Bluetooth device into Bluetooth pairing mode (discoverable)
2. Press and hold the Bluetooth () button on the remote control until the LED display on the soundbar shows “BT” blinking.
3. You can now search for the soundbar (SHOCKWAVE) using your Bluetooth device. For more information, refer to the user documentation of your device.
4. Play audio from your Bluetooth device. Volume can be controlled on your source device or soundbar remote control.

Note: If the soundbar detects a Bluetooth device that was previously connected, the soundbar will automatically connect to your Bluetooth device after Step 2.

To disconnect the soundbar with a paired Bluetooth device:

1. Press and hold the Bluetooth () button on the remote control until the LED display on the soundbar shows “BT” blinking.
2. The soundbar is ready to pair with new device.

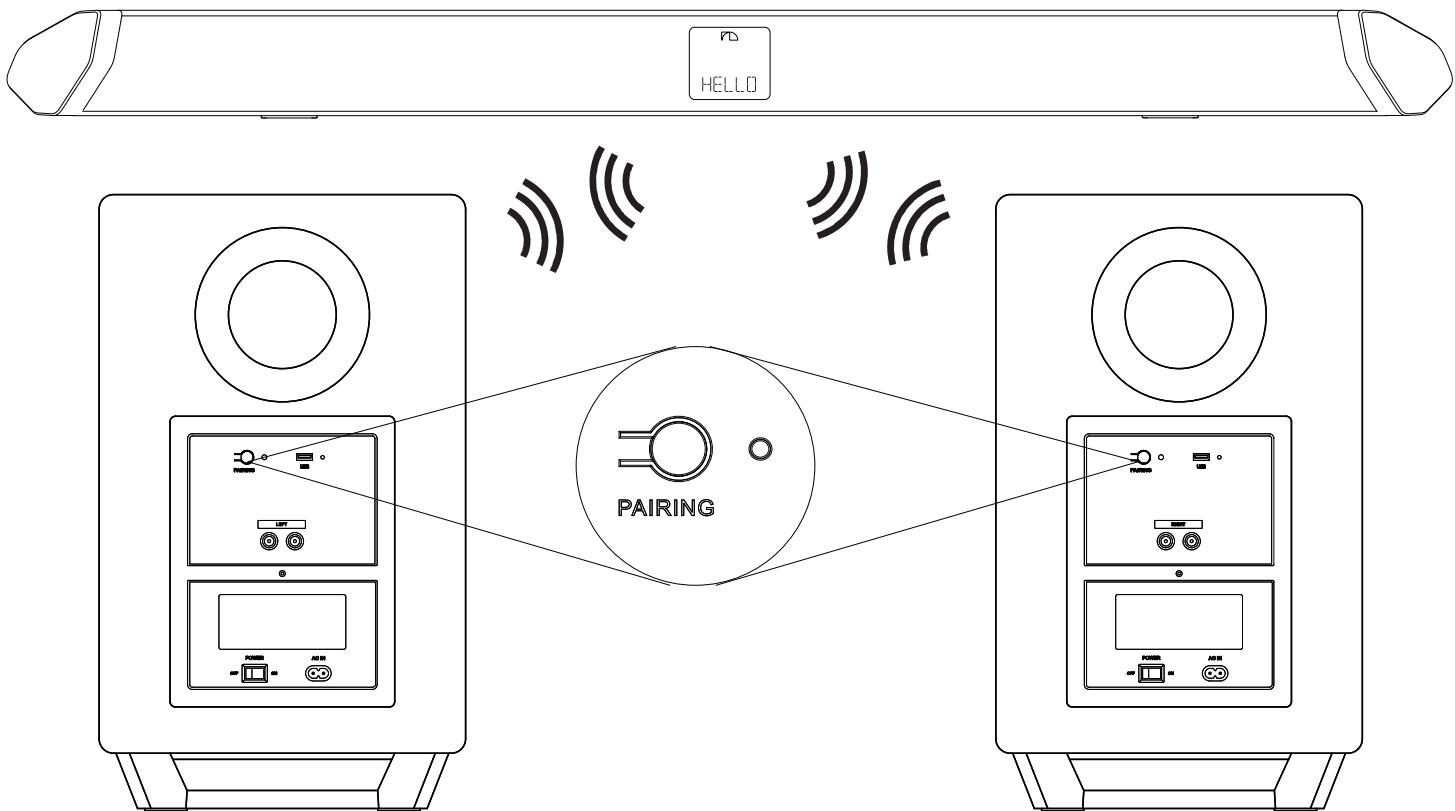


Your soundbar is not equipped with a microphone, so it cannot operate as a hands-free device for a smartphone



Reduce the volume levels on your device and on the soundbar before pressing Play. High volume levels can damage your hearing

5 RE-PAIRING SUBWOOFERS WITH THE SYSTEM



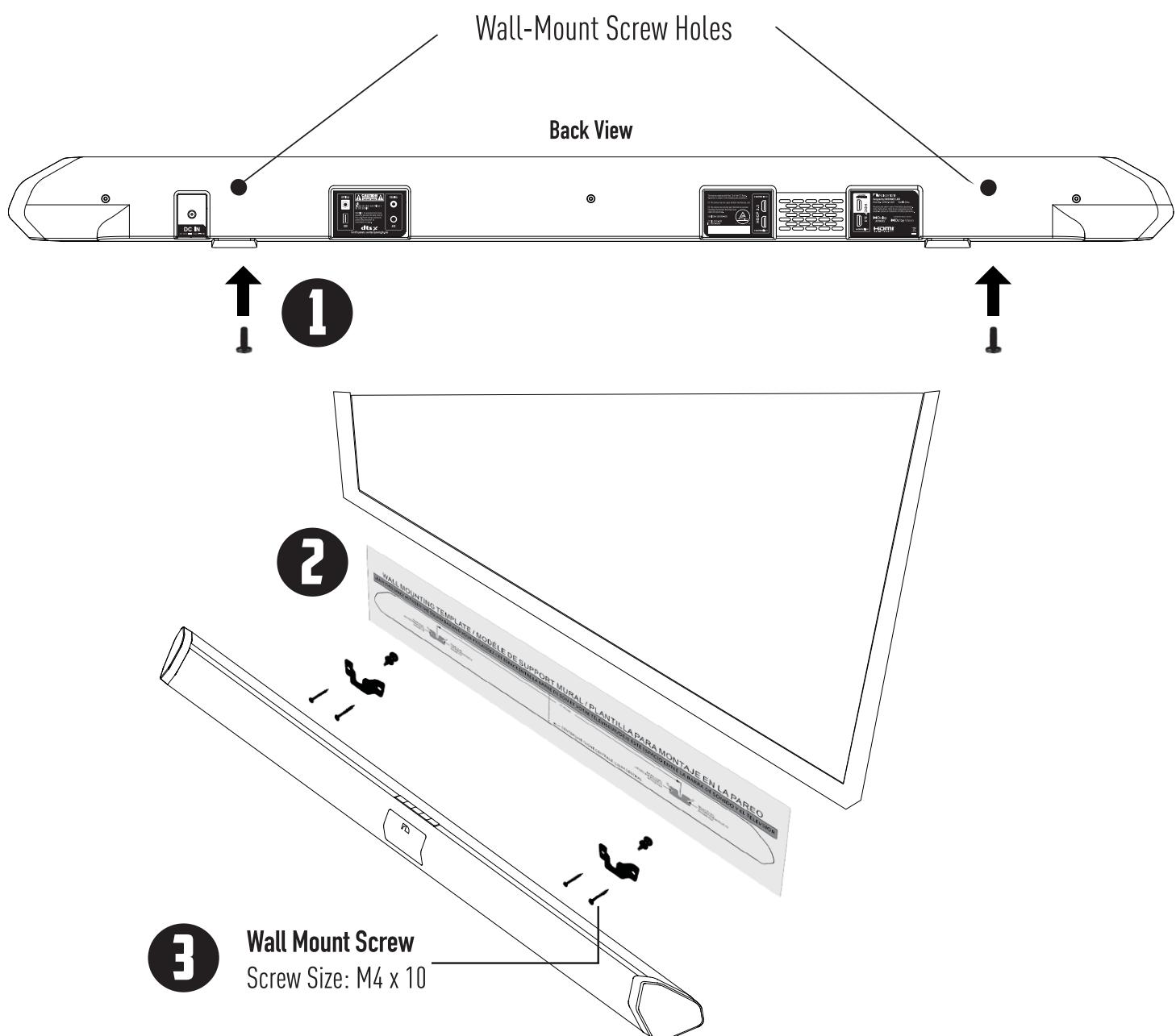
Turn off your TV speakers when programming your soundbar.

1. Ensure the soundbar and two subwoofers are powered **OFF**
2. Power **ON** the LEFT subwoofer
3. Power **ON** the RIGHT subwoofer
4. Press and hold **PAIRING** button at the back of LEFT subwoofer until the **BLUE LED** light starts blinking rapidly
5. Press and hold **PAIRING** button at the back of the RIGHT subwoofer until the **BLUE LED** light starts blinking rapidly
6. Power **ON** the soundbar
7. Pair the soundbar to the subwoofers in 2 ways:
 - a. On the remote control
 - i. Press the **SETUP** button on remote control
 - ii. Press the **◀/▶** button until "**SUB PAIR**" is displayed on the LED display
 - iii. Press **ENTER** and the "**PAIR-**" will be shown on LED display
 - b. On the soundbar
 - i. Press the **⊖** button on the soundbar until "**USB**" is displayed
 - ii. Press and hold the **DEMO** button until "**PAIR-**" is shown on LED display.
8. The soundbar will now begin the pairing process with the subwoofers (LED display: "**PAIR-**")
9. Once the pairing process is completed, the soundbar's LED display will show "**DONE**" and the blue LED at the back of both subwoofers will stay lit constantly

Note: Once soundbar is powered off, the blue LED lights on the subwoofers will continue blinking for 10 minutes before going into standby mode.

6 INSTALLING THE WALL MOUNT

A MOUNTING SOUNDBAR



- 1 Insert the 2 mounting screws into the wall-mount screw holes, and then tighten them.
- 2 Place the included wall-mounting template against the wall under your TV. Mark the 4 bracket holes using a pencil.
- 3 Be sure your screws are attached to wood studs, drywall anchors (for drywall), or concrete anchors (for brick/concrete walls).

Choose the screw type and length appropriate to your home's construction. If in doubt, consult a professional installer.

! If you are unfamiliar with power tools or the layout of electrical wiring in the walls of your home, consult a professional installer.

6 INSTALLING THE WALL MOUNT

B MOUNTING SURROUND SPEAKERS

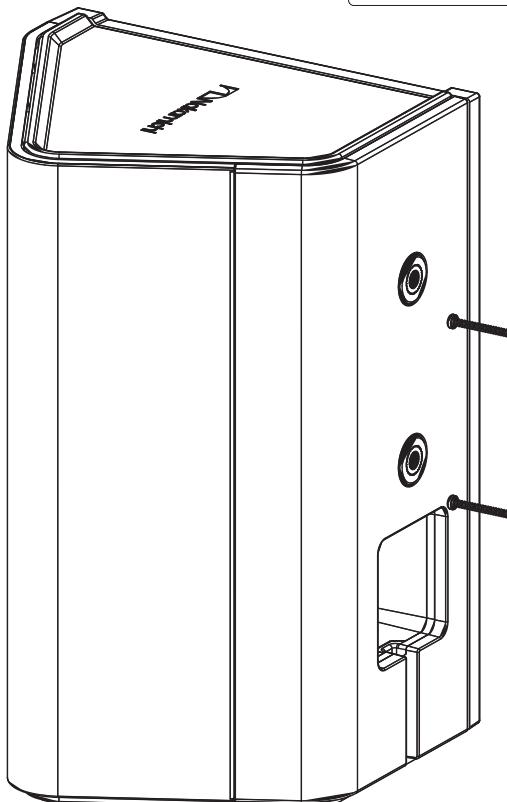
To wall-mount the satellite speakers:

1. Attach the mounting screws to the back of the satellite speaker.
2. Align and mount the satellite speaker with the wall mount bracket

Note: Be sure your screws are attached to wood studs or drywall anchors (for drywall) or concrete anchors (for brick / concrete walls). Wall mounting tools are not included.

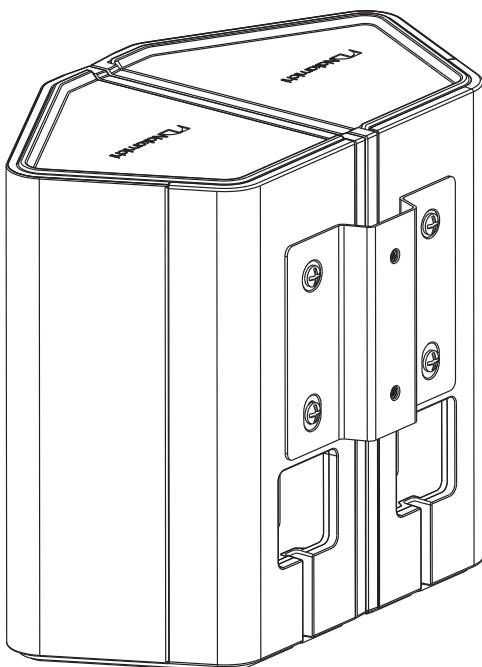


If you are unfamiliar with power tools or the layout of electrical wiring in the walls of your home, consult a professional installer.



**BEST: DETACHED
(Signature & Hybrid)**

Mounting
Screws



**Better: Attached
(Dipole)**

Mounting
Screws

7 FIRMWARE UPGRADE

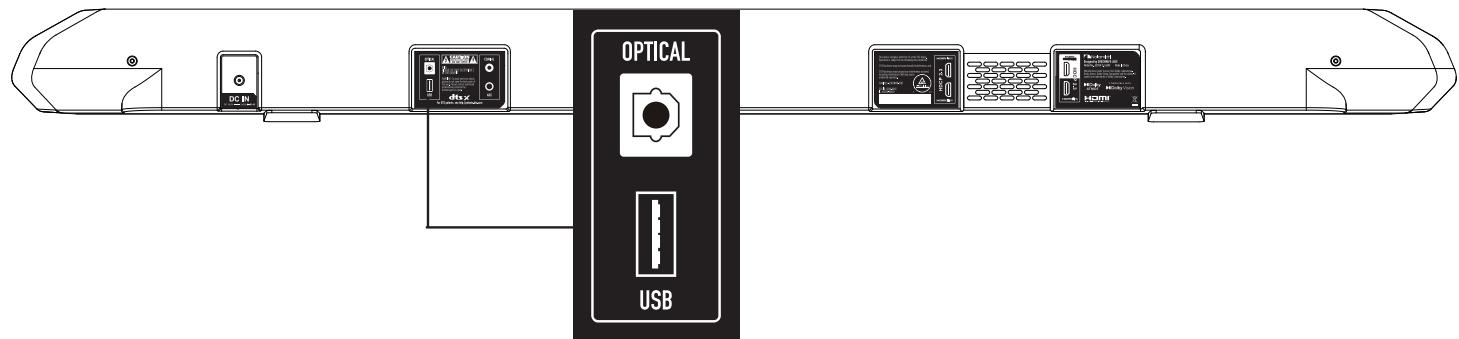
Firmware upgrades that provide additional features and performance improvements are released periodically. For more information, visit nakamichi-usa.com/92max-sse-firmware

This procedure must only be done with official firmware files that are provided by Nakamichi and created for your soundbar model. Failure to do so may result in a bricked/malfunctioning soundbar that will not be covered by warranty.

Checking the firmware version:

On the remote control toggle the INFO button until the LED display “FWXX”. The firmware version will be displayed.

Installing the firmware:

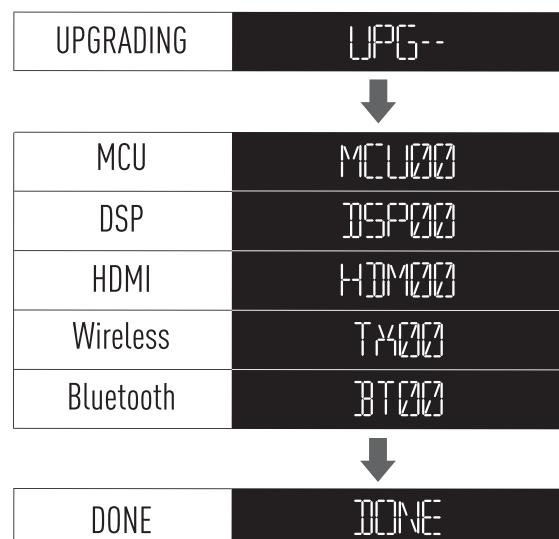


1. Insert the USB stick* with the **unzipped firmware file (.BIN format)** into the soundbar's USB port
2. Press the **SETUP button** on the remote control several times until you see “**FWUPG**”
3. Press and hold the **ENTER button** until “**UPG--**” is displayed on front LED display
4. Firmware upgrading process will be displayed on the LED screen
5. Once the firmware is completed, the soundbar will restart automatically
6. Press **SETUP** button to navigate to **Reset function** to reset your soundbar. Press **ENTER**

***USB Stick Specs:** USB2.0 and above; Max Drive Size: 32GB; Format: FAT16 / FAT32

Checking the firmware version:

Firmware upgrade process may take up to 1-10 minutes, depending on versions. Update progress is displayed on the front panel display when the firmware is upgrading. During each upgrading stage, there will be a numeric percentage to show its progress.



Note: If the soundbar is on the latest firmware, “**FW UP TO DATE**” will be displayed on the soundbar LED display.

8 SPECIFICATIONS

SOUNDBAR

6 x 2.75" Full Range Driver
2 x 1" High Frequency Tweeter

SURROUND LEFT & RIGHT

1 x 3" Full Range Driver (Each Side)
1 x 1" High Frequency Tweeter (Each Side)

SURROUND BACK LEFT & RIGHT

1 x 3" Full Range Driver (Each Side)
1 x 1" High Frequency Tweeter (Each Side)

WIRELESS LEFT & RIGHT SUBWOOFERS

1 x 10" Down Firing Driver (Each Side)

CONNECTIVITY

HDMI (Dolby Vision & 4K HDR Pass-Thru)
HDMI Out (eARC to TV) x 1 [HDCP 2.3]
HDMI Input x 3 [HDCP 2.3]

DIGITAL AUDIO

Optical Input x 1
Coaxial Input x 1
Analog AUX Audio Input x 1
Bluetooth 5.1 with aptX
USB x 1

PERFORMANCE

Channels: 9.2
Sound Pressure Level (SPL): 120Db
Total Power: 1200W

Power Output:
330W (Soundbar)
100W (Surround Left & Right)
100W (Surround Back Left & Right)
470W (Subwoofer)

Frequency Response: 30Hz – 22kHz

AUDIO PROCESSING

Dolby Atmos, Dolby TrueHD, Dolby Atmos MAT, Dolby Digital Plus, Dolby Digital, DTS:X, DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS Digital Surround

REMOTE CONTROL

43-Key Backlit LED
6 EQ Modes – Movie, Music, Sports, News, Game, Night

DIMENSIONS, WEIGHT & POWER RATING

Soundbar: 45.5 x 3.3 x 3.0 Inches, 7.27 lbs.
Subwoofer: 13.5 x 12 x 20.5 Inches, 23.4 lbs. (Each)
Satellite Speaker: 5.0 x 5.4 x 8 Inches, 2.8 lbs. (Each)

Power Input:

Soundbar: 100 - 240V, 50/60 Hz
Subwoofer: 110 - 240V, 50/60 Hz

9 WARRANTY INFORMATION & SUPPORT

LIMITED WARRANTY (U.S. Only)

Nakamichi LLC ("Nakamichi") warrants this product against defects in material or workmanship for the time periods and set forth below. Pursuant to this Limited Warranty, Nakamichi will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. In the event of a defect, these are your exclusive remedies.

Labor: For a period of one (1) year from the original date of purchase of the product ("Labor Warranty"), Nakamichi will, at its option, repair or replace with new or refurbished product, product determined to be defective. If Nakamichi elects to replace the product after this Labor Warranty has expired but while the Parts Warranty below is still in effect, it will do so for the applicable labor charge.

Parts: For a period of one (1) year from the original date of purchase of product ("Parts Warranty"), Nakamichi will supply new or refurbished replacement parts in exchange for parts determined to be defective.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. Please refer to the End User License Agreements included with the Product for your rights and obligations with respect to the software.

Instructions: To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the Nakamichi authorized service facility specified. It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Nakamichi will not be responsible for any such damage or loss. A dated purchase receipt is required.

Repair / Replacement Warranty: This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of Nakamichi.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the Nakamichi product. This Limited Warranty does not cover Nakamichi products sold AS IS or WITH ALL FAULTS or consumables (such as fuses or batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product.

This Limited Warranty is valid only in the United States. This Limited Warranty is valid only for Nakamichi products purchased from the following authorized retailers with a valid receipt stating date, product description and purchase price:

1. Amazon.com (under seller "Nakamichi LLC")
2. Best Buy
3. Ebay (under seller "nakamichi-usa")
4. B&H Photo Video

LIMITATION ON DAMAGES: NAKAMICHI SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

DURATION OF IMPLIED WARRANTIES: EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights any you may have other rights which vary from state to state.

CUSTOMER SUPPORT

If you have any questions or comments, you may reach us at the following:

Visit our website at www.nakamichi-usa.com/faq

Email us at support@nakamichi-usa.com

Phone Support: +1 (415) 805 6913 (Weekdays 10am - 7pm PST; Saturday, Holidays 10am - 5pm PST)

Join our Community: community.nakamichi-usa.com

10 GLOSSARY

This section explains the technical terms used in this user manual.

Spatial Surround Elevation (SSE) Max Processing Technology

Combination of proprietary software and hardware solutions into a plug-and-play platform that enhances the fidelity and surround realism of the latest audio formats, duplicating the 360° cinema experience at home. For more info, visit nakamichi-usa.com/shockwave-ssemax

Dolby Atmos object-based audio

Dolby Atmos is an object-based audio format with the capability to reproduce up to 128 simultaneous objects. Every sound in a scene can be represented as a separate audio object that can be positioned and moved throughout the 3D space.

For more information, visit

<https://www.dolby.com/us/en/brands/dolby-atmos.html>

Dolby Vision

Dolby Vision transforms your TV experience with dramatic imaging with incredible brightness, contrast, color, details and dimensionality. And with the advanced capabilities in Dolby Vision, you'll see there's more to the story that generic HDR cannot reveal.

Dolby TrueHD

Dolby TrueHD is a lossless multi-channel audio codec developed by Dolby Laboratories which is used in home-entertainment equipment such as Blu-ray disc players and A/V receivers. It competes with DTS-HD Master Audio, a lossless codec from DTS.

Dolby Digital Plus

Dolby Digital Plus, also known as Enhanced AC-3 is a digital audio compression scheme developed by Dolby Labs for transport and storage of multi-channel digital audio. This format is commonly found on many streaming services, including Netflix, Amazon Prime, Disney+, HBO Max and many more.

Dolby Digital

Dolby Digital is a compressed digital audio format developed by Dolby Laboratories, Inc. that supports 5.1-channel audio. This technology is used for audio on most DVD discs.

Dolby Surround

Dolby Surround expands on stereo to deliver sound from the sides, behind, and even above you, creating a natural, multidimensional sonic environment based on the science of how humans hear. Dolby audio in your home theater improves the power, clarity, and realism of sound by offering up to 7.1 discrete surround channels and up to 9.1 channels of sound with height dimension.

Dolby Upmix

Dolby Upmix expands on stereo to deliver sound all around you by offering up to 7.X discrete surround channels and up to 9.X channels of sound. It is designed to bring cinematic surround sound to your home.

DTS:X object-based audio

DTS:X uses a new technology called object-based audio that processes each sound contained in an audio source as an "object" and memorizes each object's sound changes and positional changes

in a sound field to control these changes during playback. For more information, visit <https://dts.com/dtsx>

DTS-HD Master Audio

DTS-HD Master Audio is an advanced lossless audio format developed to offer a high-definition home theater experience by DTS, Inc. It is commonly found on Blu-ray discs and it can carry up to eight channels of 96 kHz/24-bit audio (up to six channels of 192 kHz/24-bit audio) simultaneously.

DTS-HD High Resolution Audio

DTS-HD High Resolution Audio is a compressed digital audio format that supports 7.1-channel and up to 96 kHz/24-bit audio. It remains fully compatible with the existing DTS multichannel audio systems.

DTS Digital Surround

DTS Digital Surround is a compressed digital audio format developed by DTS that supports 5.1-channel audio. This technology is used for audio on most DVD discs.

NEURAL:X

Neural:X is the latest down-mixing/up-mixing and spatial remapping technology from DTS. It is built in to DTS:X to provide upmix of Neural:X-encoded data. In DTS:X for soundbars, Neural:X can produce up to 11.x channels.

DTS:X Dialog Control

DTS:X Dialog Control allows you to boost the dialog, making the dialog more intelligible. People with impaired hearing may also benefit. Note that the content creator may disable the use of this feature in the mix, so that DTS:X Dialog Control may not always be available.

PCM (Pulse Code Modulation)

PCM is a signal format under which an analog audio signal is digitized, recorded, and transmitted. This is the basis of digital audio. Linear PCM is a lossless audio format sampled in a linear format, without any audio encoding. It provides the best audio compatibility among different devices.

Lip Sync

Video output sometimes lags behind audio output due to the complexity of signal processing caused by an increase in video signal capacity and internet streaming delay. Lip Sync is a technique to compensate the timing lag between audio and video output.

Dynamic Range Control (DRC)

DRC is an audio signal processing operation that reduces the volume of loud sounds or amplifies quiet sounds thus reducing or compressing an audio signal's dynamic range. This is also known as volume normalization.

Power Saving (ECO Mode)

Designed to prevent electrical wastage and promote eco-friendliness. ECO Mode automatically puts the system to standby mode when there is no signal detected for 20 minutes.

Subwoofer Crossover Frequency

The subwoofer crossover frequency is the frequency at which your speakers start to roll off and your subwoofer kicks in with low frequency effects and bass notes.

10 GLOSSARY

HDMI

HDMI (High-Definition Multimedia Interface) is the world-wide standard interface for digital audio/video signal transmission. This interface transmits both digital audio and digital video signals using a single cable without any loss. HDMI complies with HDCP (High-bandwidth Digital Content Protection) and provides a secure audio/video interface. For further information on HDMI, visit the HDMI website at "<http://www.hDMI.org/>".

HDMI-CEC CONTROL

HDMI-CEC Control allows you to operate external devices via HDMI. If you connect a TV that supports HDMI CEC control to the soundbar with an HDMI cable, you can control the soundbar (such as power and volume) with TV remote control operations.

Operation available from the TV's remote control:

- Standby synchronization.
- Volume control including mute.

HDCP

HDCP (High-bandwidth Digital Content Protection) is a digital copy protection form that prevents copying of digital contents as it travels across connections (such as HDMI).

What is aptX™?

Qualcomm® aptX™ audio technology enhances the wireless sound quality of many of the world's finest smartphones, speakers, headphones and tablets. Previously, these devices often had a reputation for providing average quality sound via Bluetooth, but with aptX, Bluetooth-enabled products can overcome that barrier and consistently deliver higher quality audio wirelessly.

The soundbar is compatible with the following audio formats:

Audio Signal Types	Audio Signal Formats	Compatible Media
2 Ch Linear PCM	2 Ch, 32-192kHz, 16/24 bit	CD, DVD-Video, DVD-Audio, etc.
Multi-ch Linear PCM	7 Ch, 32-192 kHz, 16/24 bit	DVD-Audio, Blu-ray disc, HD DVD, etc.
Bitstream (SD Audio)	Dolby Digital, DTS	DVD-Video, etc
Bitstream (HD Audio)	Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS Digital Surround, DTS-HD High Resolution Audio, DTS-HD Master Audio, DTS:X	Online streaming media, Blu-ray disc, HD DVD

HDMI (ARC / eARC)

Audio Signal Types	Audio Signal Formats	Compatible Media
2 Ch Linear PCM	2 Ch, 32-192kHz, 16/24 bit	TV / TV ARC / TV eARC
Bitstream (5.1ch)	Dolby Digital, DTS Digital	TV / TV ARC / TV eARC
Bitstream (DD+)	Dolby Atmos Digital Plus	TV ARC / TV eARC
Bitstream	Dolby Atmos Digital Plus, Dolby Atmos TrueHD, DTS-HD MA, DTS:X	TV ARC / TV eARC

DIGITAL AUDIO SIGNAL (OPTICAL/COAXIAL)

Audio Signal Types	Audio Signal Formats	Compatible Media
2 Ch Linear PCM	2 Ch, 32-192kHz, 16/24 bit	CD, DVD-Video, DVD-Audio, etc.
Bitstream (5.1ch)	Dolby Digital, DTS Digital	DVD-Audio, etc.

The soundbar is compatible with the following video resolution:

480i / 60 Hz	1080i / 60Hz, 50 Hz
480p / 60 Hz	1080p / 60Hz, 50 Hz, 30 Hz, 25 Hz, 24 Hz
576i / 50 Hz	4K / 60 Hz, 50 Hz, 30 Hz, 25 Hz, 24 Hz
576p / 50Hz	

- Refer to documentation supplied with the playback device, and set the device appropriately.
- To decode audio bitstream signals on this unit, set the input source device appropriately so that the device outputs the bitstream audio signals directly. Refer to documentation supplied with the device for details.

11 **LEGAL & COMPLIANCE**

FCC Class B Radio Interference Statement

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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

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

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice:

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

FCC RF Radiation Exposure Statement

1. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

3. FCC RF Warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Disposal and Recycling

You must dispose of this product properly, according to local laws and regulations. Because this product contains electronic components and a battery, it must be disposed of separately from household waste. Contact local authorities to learn about disposal and recycling options.

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13 HELP & TROUBLESHOOTING

1. HDMI ARC/CEC – No Sound or Video

Performing a Soundbar Soft Reset can restore the soundbar settings back to factory default and refresh HDMI settings.

If your TV's connected to another sound system via HDMI previously, perform a Soundbar & TV Hard Reset + HDMI Connection Refresh to establish a new HDMI handshake.

Soundbar Soft Reset:

1. Switch to **TV** input
2. Press **SETUP** button multiple times to locate **RESET** function
3. Press **ENTER** button to select the function
4. Press **ENTER** button again to confirm **RESET** function
5. The soundbar will restart automatically to complete the reset sequence.

("HELLO" appears on soundbar LED and it will be back to eARC mode by default)

Soundbar & TV Hard Reset + HDMI Connection Refresh:

1. While all source devices are on, disconnect **all HDMI cables** connected to TV and soundbar as well as TV to soundbar
2. **Power OFF** TV, soundbar and all source devices
3. **Unplug all devices** from the AC outlets
4. **Wait for 5 minutes** before plugging the TV, soundbar and source devices back to the AC outlets
5. **Power ON** the soundbar, TV and all source devices
6. While they are on, **connect the TV and soundbar via HDMI ARC**.

Once the connection is established, connect the source devices one at a time. Use Perfect Device Matching Tool on page 21 to create a customized setup guide based on your source devices

2. Subwoofer or Surround Speakers Cut Out / Crackling / Popping:

When there is a wireless device (E.g. Wireless LAN) using the same frequency (5.8Ghz) near the Soundbar, the wireless connection between Subwoofer and Surround Speaker could become unstable. In this case, you can change the frequency channel as below:

1. Press **SETUP** button on the remote a few times until soundbar LED displays "WL-CH AUTO"
2. Use the **LEFT** or **RIGHT** arrow to change the frequency channel*
3. Press **ENTER** button on the remote

*Notes:

1. The default channel "WL-CH AUTO" is optimized for avoiding wireless interference from external devices. If there is no audio popping / crackling / cut out from subwoofer(s) or surround speakers, it is recommended to keep using the default channel
2. WL-C1 - WL C6 are available for selection, depending on the radio specifications
3. Changing the radio frequency channel may affect the performance of other near wireless devices (e.g., wireless LAN) using the same frequency bandwidth

If you are still having issues, visit:

bit.ly/92max-subwoofers-audio-distortion. For other subwoofer related issues, visit: bit.ly/92max-dual-subwoofers-faq

3. Soundbar Intermittent Cut Out or No Sound

Perform a soft reset on the soundbar with the following steps:

1. Press the **SETUP** button
2. Toggle and select "**RESET**"
3. Press **ENTER** button
4. **Disconnect the source device** that is having issues from the soundbar or TV. **Unplug the source device** from the AC outlet for **5 minutes** before powering it back on
5. While the **source device is on**, **connect** it to the soundbar or TV. Use **Perfect Device Matching Tool** (bit.ly/device-matching-tool) to create a customized setup guide based on your device
6. Get the best performance using the recommended **AUDIO** (bit.ly/audio-settings) + **VIDEO** (bit.ly/video-settings) settings

4. The Soundbar or the Subwoofer Does Not Power On

Please contact support@nakamichi-usa.com so we can work on a replacement (within 30 days of purchase). The system comes with a **1 year parts and labor warranty**.

5. No Sound from Surround Speakers

Press the "ALL CH STEREO" or "SURROUND" buttons on the remote to enable Dolby Surround, Dolby Upmix or All Channel Stereo to get sound from all speakers.

For expanded FAQ, scan QR code or visit:
bit.ly/92max-faq



This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

RF warning statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Operations in the 5.15-5.25GHz band are restricted to indoor use only.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

Avertissement RF:

Cet appareil est conforme à IC l'exposition aux rayonnements limites fixées pour un environnement non contrôlé. Cet appareil doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps. Cet transmetteur ne doit pas être co-situé ou opérant en liaison avec toute autre antenne ou transmetteur.

Les opérations dans la bande 5.15-5.25GHz sont limitées à l'usage intérieur uniquement.

NEED HELP WITH YOUR SHOCKWAFE?

Flip this side of the manual open for commonly asked questions.

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support@nakamichi-usa.com, (415) 805 6913

(Weekdays 10am – 7pm PST; Saturday, Holidays 10am – 5pm PST)

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