# Nakamichi

SHOCKWAFE WIRELESS 11.2.6

Dolby ATMOS **dts x** **AHD**

Owner's Manual

Important Safety Instructions

- Read, keep and follow all instructions.
- Heed all warnings.
- Do not use apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the
- manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized 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.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments / accessories specified by the manufacturer.
- 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 tipover.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the 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.
- To reduce the risk of electric shock or component damage, switch off the power before connecting other components to your Unit.
- Unplug the power cord before cleaning your Unit. A damp cloth is sufficient for cleaning. Do not use a liquid or a spray cleaner on your Unit. Do not use abrasive cleaners.
- Always use the accessories recommended by the manufacturer to ensure compatibility.
- When moving your Unit from an area of low temperature to an area of high temperature, condensation may form in the housing. Wait before turning on your Unit to avoid causing fire, electric shock, or component damage.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of your Unit and to protect it from overheating, be sure these openings are not blocked or covered. Do not place your Unit in a bookcase or cabinet unless proper ventilation is provided.
- Never push any objects into the slots and openings on your Unit enclosure. Do not place any objects on the top of your Unit. Doing so could short circuit parts causing a fire or electric shock. Never spill liquids on your Unit.

- When connected to a power outlet, power is always flowing into your Unit. To totally disconnect power, unplug the power cord.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- The wall socket should be located near your Unit and be easily accessible.
- Keep your Unit away from moisture. Do not expose your Unit to rain or moisture. If water penetrates into your Unit, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.
- Do not use your Unit if an abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair your unit yourself.
- Avoid using dropped or damaged appliances. If your Unit is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair.
- Continued use of your Unit may cause fire or electric shock. Do not install your Unit in an area with heavy dust or high humidity.
- Operating your Unit in environments with heavy dust or high humidity may cause fire or electric shock.
- Ensure that the power cord and any other cables are unplugged before moving your Unit.
- When unplugging your Unit, hold the power plug, not the cord.
- Pulling on the power cord may damage the wires inside the cord and cause fire or electric shock. When your Unit will not be used for an extended period of time, unplug the power cord.
- To reduce risk of electric shock, do not touch the connector with wet hands.
- Insert the remote control batteries in accordance with instructions.
- Incorrect polarity may cause the battery to leak which can damage the remote control or injure the operator.
- The marking label of the subwoofer was located on the external bottom enclosure of the product.
- The equipment shall be used at maximum 95F ambient temperature. See the important note and rating located on the back of the unit.
- WARNING - This equipment is not waterproof. To prevent a fire or
- shock hazard, do not place any container filled with liquid near the equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture. To prevent injury, this apparatus must be securely attached to the
- floor / wall in accordance with the installation instructions. CAUTION - Danger of explosion or fire if batteries are mistreated.
- Replace only with the same or specified type. Do not leave the batteries exposed to direct sunlight for a long
- period of time with doors and windows closed. Do not disassemble the batteries or dispose of it in fire. Where the MAINS plug or appliance coupler is used as the
- disconnect device, the disconnect device shall remain readily operable.

2

Important Safety Instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS RISQUE DE CHOC ÉLECTRIQUE / NE PAS OUVRIR

There are no user serviceable parts inside each speaker. Never attempt to service each speaker or disassemble the backplate.

This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert user to the presence of not isolated dangerous voltage within the product that may be of sufficient magnitude to constitute a risk of shock to persons.

The exclamation point within the equilateral triangle is to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

Warning: This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

Correct disposal of this product (Waste Electrical & Electronic Equipment)
This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling help protect natural resources, human health and the environment. For more information on disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

For Products That Include Batteries: Instructions for Users on Removal, Recycling and Disposal of Used Batteries.
To remove the batteries from your equipment or remote control, reverse the procedure described in the owner's manual for inserting batteries. For products with a built-in battery that lasts for the lifetime of the product, removal may not be possible for the user. In this case, recycling or recovery centers handle the dismantling of the product and the removal of the battery. If, for any reason, it becomes necessary to replace such a battery, this procedure must be performed by authorized service centers. In the European Union and other locations, it is illegal to dispose of any battery with household trash. All batteries must be disposed of in an environmentally sound manner. Contact your local waste-management officials for information regarding the environmentally sound collection, recycling and disposal of used batteries.

Table of Contents

MEET SHOCKWAFE WIRELESS

1.1   Package Contents
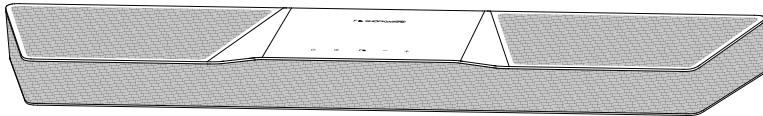
Shockwafe Soundbar x 1
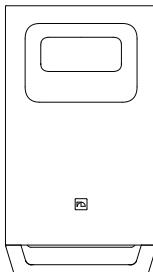
10¨ Wireless Subwoofers x 2
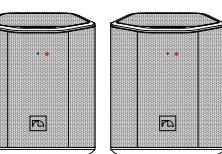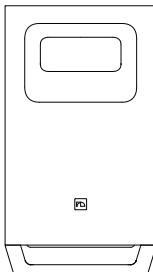
Surround Speakers x 2

Remote Control w/
Batteries x 1

HDMI 2.1 Cable x 1
(Length: 6.5 ft)

Surround Speaker Power Cables x 2
Subwoofer Power Cables x 2
(Length: 10 ft each)

Soundbar
Power Cable x 1
(Length: 5 ft)

Soundbar Power Adapter x 1
(Length: 5 ft)

1.2 Controls & Connections
A.   Soundbar

↺ **INPUT**
Switch audio source

↷ **DEMO**
Play channel test tones

VOLUME – / +
Decrease or
increase the volume

⏻ **POWER**
Turn ON or OFF

Top View

Bottom View

DC IN
AUX IN
OPT IN
USB

HDMI IN [3]
HDMI IN [2]
HDMI OUT (TV) [1] (eARC/ARC)
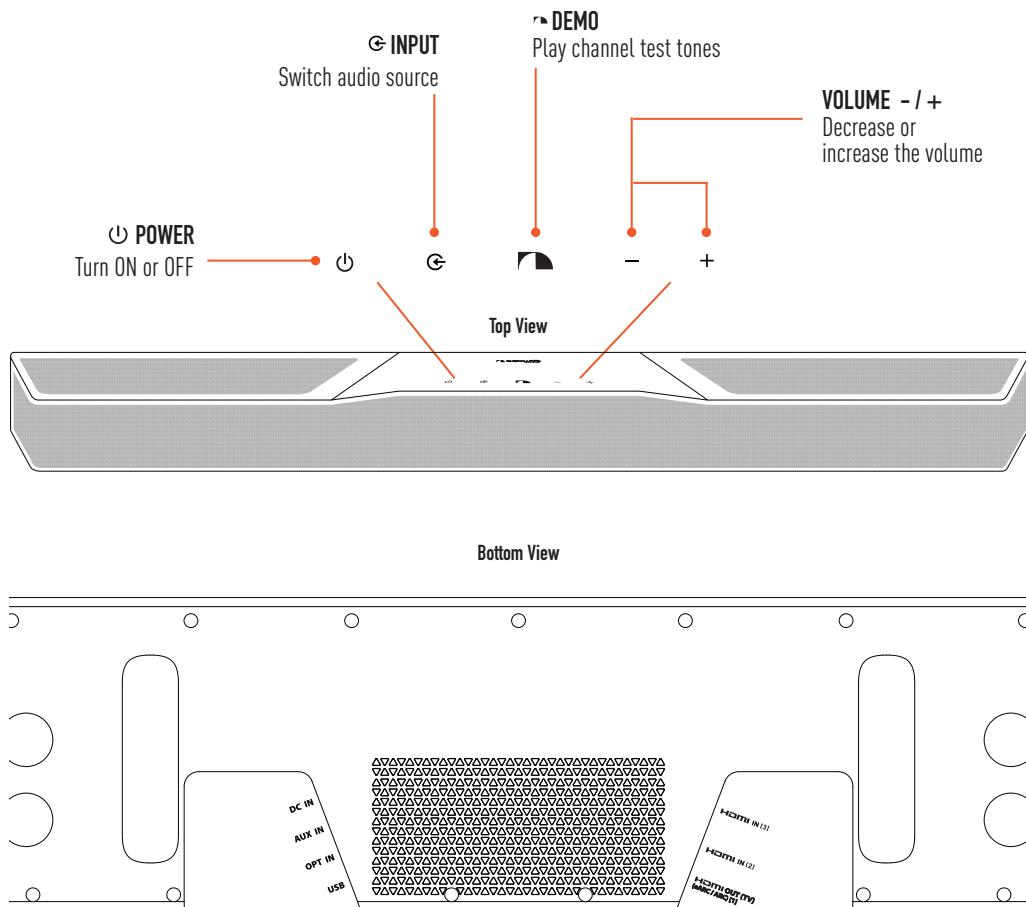
BEST

HDMI IN [2] / [3]:	HDMI 2.1 input*
HDMI Out (TV) [1]:	HDMI 2.1 output with ARC/eARC*

Aux In	3.5mm stereo analog audio input
Opt In	Optical audio input
USB	For firmware upgrade only
DC IN	Power Supply

*All the HDMI inputs and output support 4K120, 8K60, Dolby Vision, 4K HDR Passthrough, HDCP 2.3, VRR, ALLM, QFT

1.2　Controls & Connections

B.　10" Subwoofers x 2

Back of Subwoofers
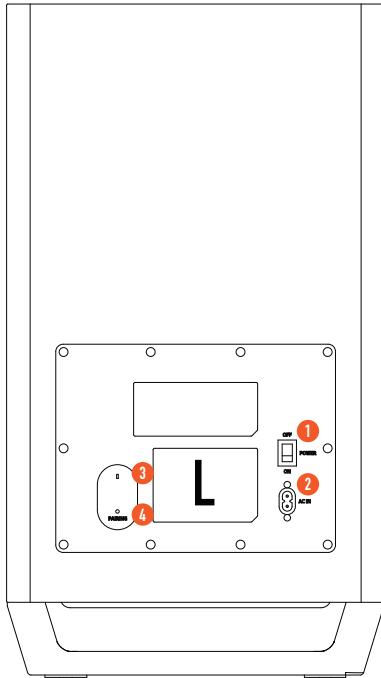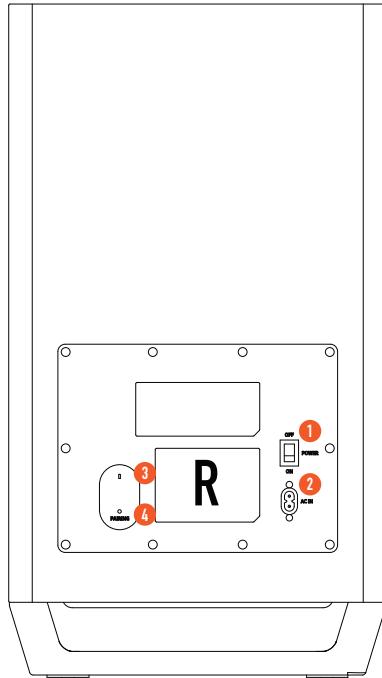
Left Subwoofer　　　　　　　　　　　　　　　Right Subwoofer

1 Power Switch

2 Power Port

3 Pairing Status Indicator

4 Pairing Button

1.2 Controls & Connections
C.   Surround Speakers

Back of Surround Speakers

Pairing Button

Status Indicator

Power Port

The LED turns off after connecting. Adjust the volume to check; it lights up if paired.
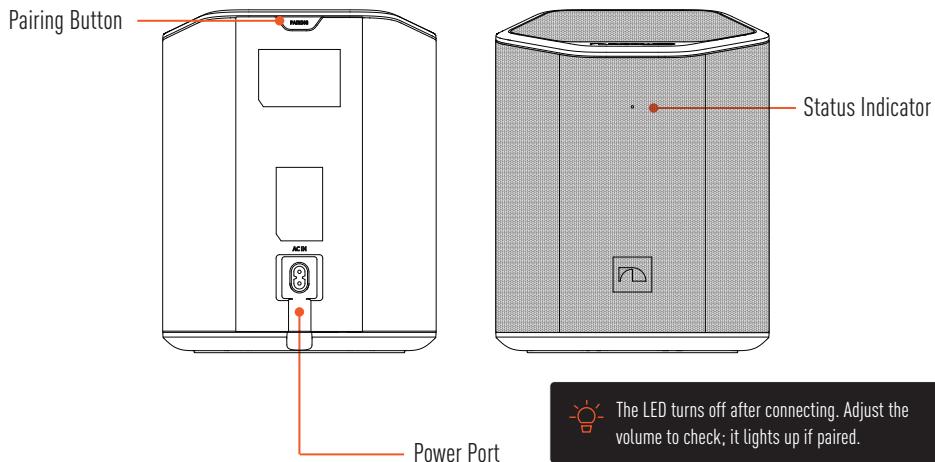
Top of Surround Speaker

Up-Firing Driver
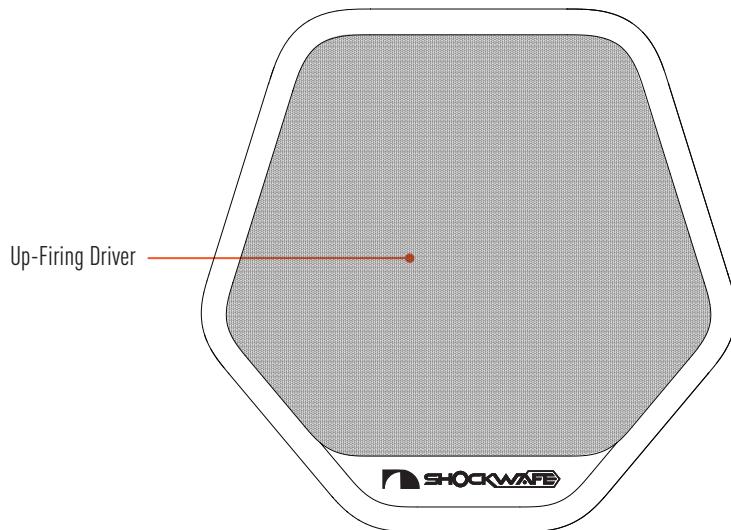
1.2 Controls & Connections

D. Remote Control

Insert Batteries before using the Remote Control (AAA Batteries x 2)

1. Gently slide the back cover in the direction indicated by the arrow until it is fully detached.
2. Insert 2 x AAA Batteries and gently push the cover back into place.

Back of Remote Control
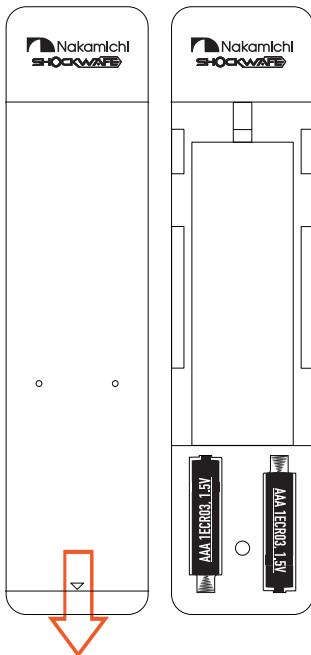
Once TV HDMI connection is established, use your TV / content device's remote control to power ON the entire system. Always use your TV's remote control to power OFF the entire system.

Prefer using a universal remote?
Scan QR code for more info.

SECTION 2
SET UP

2.1 Soundbar and Subwoofer Placement

Wireless subwoofers provide ultimate placement flexibility that suits your listening environment.

💡 Refer to the back of each subwoofer to check if it is the Left or Right subwoofer.

BEST	
i. Front Corners of the Room	**ii. Center**
Left Sub / Soundbar / Right Sub	Soundbar / Left Sub / Right Sub
Allows bass frequencies to blend with front channels.	If placement (i) is not possible, move the subwoofers to other locations along the front stage, or closer to the center of the room.
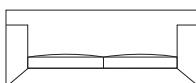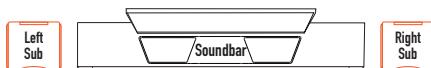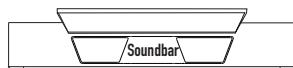
BETTER	
iii. Diagonal	**iv. Back of Room**
Left Sub / Soundbar / Right Sub / Left Sub / Right Sub	Soundbar / Left Sub / Right Sub
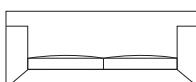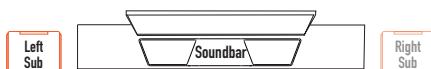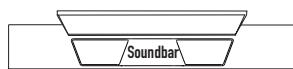
Recommended if placement (i) or (ii) is not possible in your room.

⚠️ **Avoid placing items on the subwoofer to prevent them from falling due to vibrations.**

💡
- Do not block the vents at the rear and bottom of the soundbar. These vents are essential for performance. Leave a minimum of an inch of gap around these ventilation holes.
- Wireless antennas are built into the soundbar, wireless subwoofers and surround speakers. Keep all speaker units away from water and metal objects.
- For optimal bass performance, do not obstruct the subwoofer port and baseplate.
- If bass performance seems too overpowering, refer to Section 12.2. pg 72 to optimize for your room acoustics.

2.2 Surround Speakers Placement

💡 Refer to the back of each surround speaker to check if it is the Left or Right surround speaker.

Soundbar

Option A

Option A

Option B

Option B
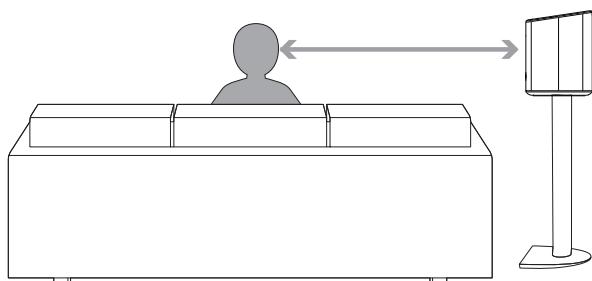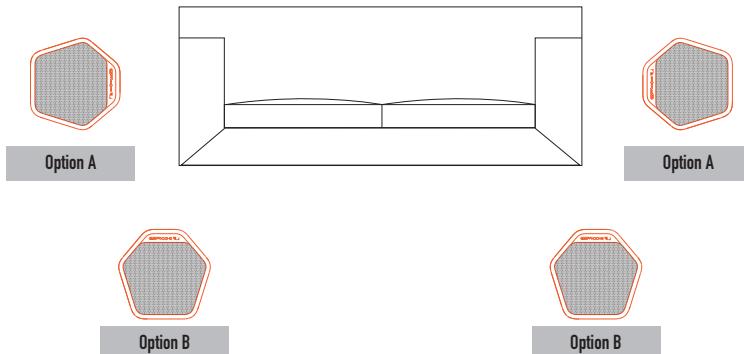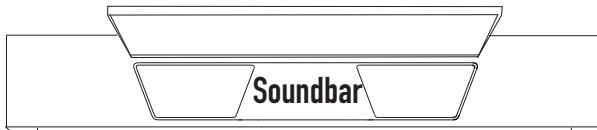
💡 ● The bottom speaker driver of the surround speakers should be at ear level.
● Wireless antennas are built into each wireless speaker. Keep all speakers away from fish tanks, water and metal objects.

Note: Illustration is not to scale. Speaker stands are not included.

Purchase optional accessories customized for Shockwafe Wireless here: bit.ly/sw-wireless-stands

CONNECT

3.1 Power On System

1. Connect power to each subwoofer. Toggle the power switch to "ON" position.
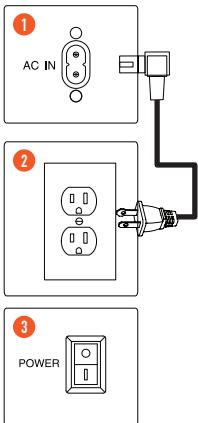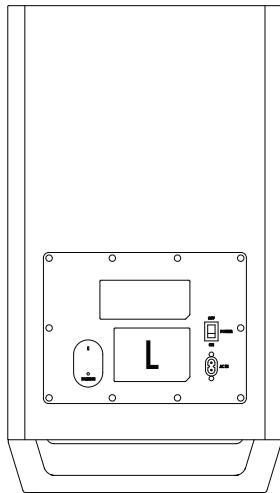
2. Connect power to each surround speaker.

Note: No power switch for surround speakers.
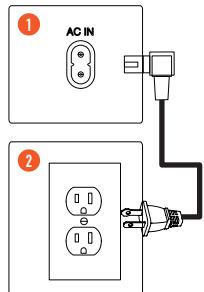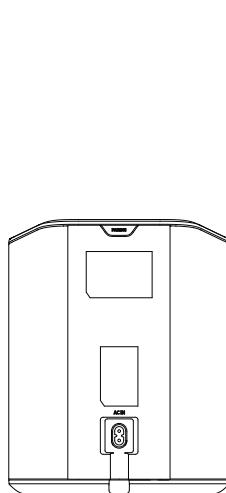
3. Connect power to the soundbar (bottom)
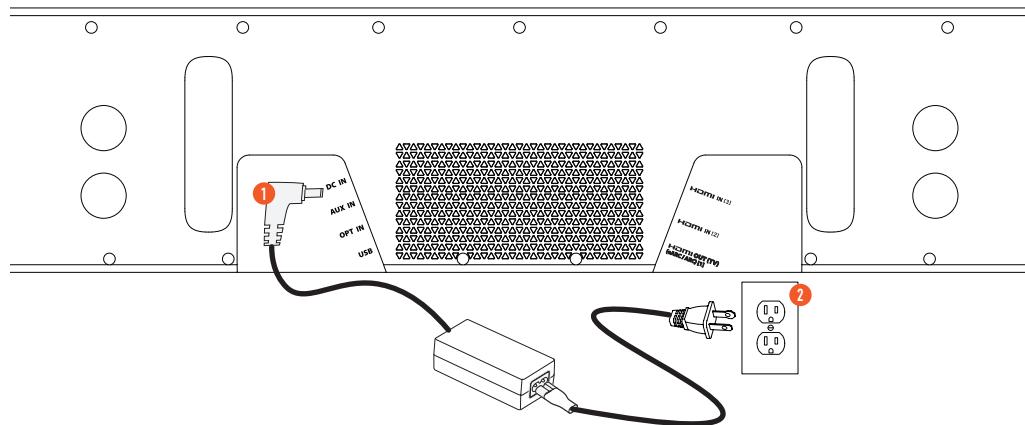
4. The subwoofers and surround speakers power on and off automatically with the soundbar.

Once the soundbar is powered off, the subwoofers and surround speakers will go into standby mode. You do not need to turn off these speakers after each use.

3.2   Set up HDMI ARC/eARC with your TV
A.   Establishing a Connection

Using the **Nakamichi HDMI 2.1 cable**, connect **Shockwafe Wireless** to your **TV's HDMI IN (ARC/eARC)** port.
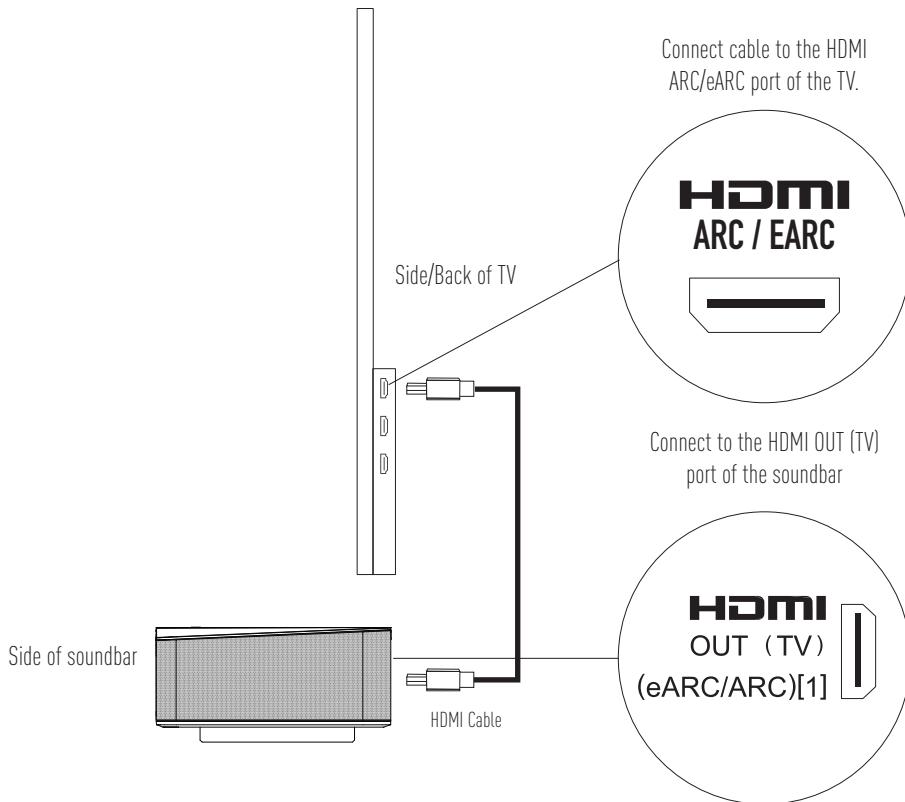
Connect cable to the HDMI
ARC/eARC port of the TV.

HDMI
ARC / EARC

Side/Back of TV

Connect to the HDMI OUT (TV)
port of the soundbar

HDMI
OUT （TV）
(eARC/ARC)[1]

Side of soundbar

HDMI Cable

HDMI Audio Return Channel (ARC)/enhanced Audio Return Channel (eARC) offers two-way communication between your audio system and TV over a single HDMI connection. Essentially, HDMI ARC/eARC enables a single TV's HDMI port to function as both a video input and audio output.

eARC supports advanced audio formats, including Dolby Atmos TrueHD and Dolby Atmos Digital Plus™.

Do not connect Shockwafe Wireless to a TV via Bluetooth. Bluetooth audio connections are unable to deliver surround sound to sound systems and will degrade overall sound quality.

3.2   Set up HDMI ARC/eARC with your TV

B.   Audio Settings for TV

Configure your TV's audio settings for optimal surround sound output.

Setting the audio output:
- Go to Settings > Sound.
- Select Speaker Settings. Set to HDMI Audio Out.
- For eARC-equipped TVs, check your TV settings and turn on eARC mode if available. This might be found under the advanced/expert options of your TV.

Setting the audio format:
- Go to Settings > Sound > Additional Settings.
- Select Speaker Audio Format.
- Set as Dolby Digital / DTS / Bitstream (whichever is available).

For brand-specific TV audio settings, scan QR code or visit:
bit.ly/sw-wireless-best-sound

C.   Set Up Control Communication Between Shockwafe Wireless and TV

CEC is an HDMI protocol enabling the TV remote to control basic soundbar functions (power, volume and source selection).

Requirements
1. Your TV is CEC-enabled. (Check with your TV manufacturer for more information)
2. Soundbar and TV are connected via a HDMI 2.1 cable through the ARC/eARC ports.

Enabling CEC
- From the TV's SYSTEM menu, enable CEC^ and ARC^ functions.
- From the CEC menu, select 'Device Discovery' to register Shockwafe Wireless with the TV.
- Enable CEC for TV only. Do not enable CEC for other device sources or inputs may switch randomly.
- To disable CEC support on the soundbar, see Section 7.2, pg 45 [Disabling HDMI-CEC One Touch Play].

* Steps may differ based on TV brand. Refer to your TV's user manual for more information.

^ HDMI-CEC TV trade names: Samsung (Anynet+), LG (SIMPLINK), Vizio (CEC), Sony (Bravia Sync), TCL (CEC), Hisense (CEC), Philips (EasyLink), Sharp (Aquos Link), Panasonic (HDAVI Control / EZ Sync / Viera Link). Naming may differ based on TV brand. Refer to your TV's user manual for more information.

Disclaimer: All brand names on this page belong to their respective copyright holders, and are used for non-profit, informational purposes only.

Visit **bit.ly/sw-wireless-best-sound** or scan QR code for an expanded list of TV audio settings and HDMI-CEC setup instructions by device.

If your devices are not listed on our website, please check with the device manufacturer's manual.

3.2 Set up HDMI ARC/eARC with your TV

D. Connecting Content Devices

Use our Perfect Device Matching Tool to create a custom setup guide based on your TV and devices. Scan QR code or visit **bit.ly/sw-wireless-device-matching**

Using a TV without HDMI eARC/ARC? Scan this QR code to learn how to connect your TV to Shockwafe Wireless. **bit.ly/sw-wireless-optical**

TV

HDMI

Satellite TV Box

Cable TV Box
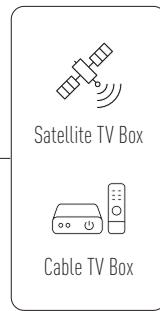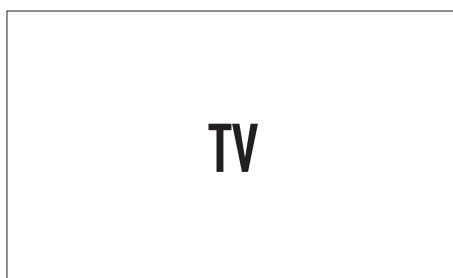
Connect **TV HDMI ARC / eARC** to **SHOCKWAFE HDMI 1 eARC**

Connect these **devices directly to your TV** via HDMI
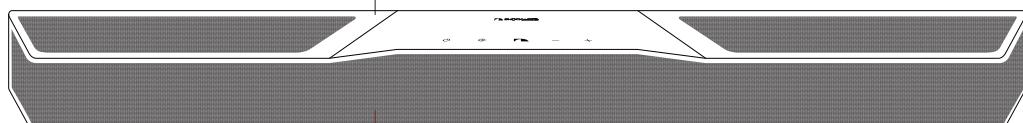
HDMI Connect these devices directly to Shockwafe Wireless via **HDMI**

Streaming Devices

Gaming (Xbox Series X, Playstation 5, etc)

or

Blu-ray Player

Any remaining devices can be connected to available HDMI ports on your TV.

HDMI cables transmit both audio and video. To view video from devices connected to the audio system, power on the soundbar, then set its input to HDMI 2 or 3. Set your TV's input to the HDMI ARC/eARC port which Shockwafe Wireless is connected to.

When using the TV's built-in streaming apps or audio from devices connected to the TV, switch the soundbar source to TV. Audio passthrough is done using TV's ARC/eARC connection. Dolby TrueHD and DTS:X audio are not supported on ARC connection.

Connect devices with the same HDCP standards for seamless switching between sources. If there are devices with different HDCP standards, connect all HDCP 2.3 devices to Shockwafe Wireless, while connecting HDCP 1.4 devices to TV to avoid audio and video instability.

3.4   Recommended Device Audio Settings

With new devices constantly emerging and device configurations continuously evolving, access our recommended settings for each device by scanning the QR codes below.

Device	QR Code	Device	QR Code
Apple TV		Amazon Fire Stick / Fire Cube Streaming Devices	
Roku Premiere		Roku Ultra 4K	
Nvidia SHIELD PRO 4K		PlayStation 5 / Pro	
XBOX Series X		Nintendo Switch	
Sony Blu-ray Player		DIRECTV™	
DISH NETWORK		Xfinity TV Box	

For other devices, scan the QR code or visit:
bit.ly/sw-wireless-best-sound

3.5 Configure your TV for 4K120/8K60 Video Passthrough

Proceed with this only if a HDMI device that supports 4K12/8K60 (e.g. gaming console) is connected to the soundbar.

Tip: 4K120Hz video passthrough typically needs to be activated manually through your TV's video settings. Visit our Helpdesk to discover and apply optimized settings for your TV.

General guide to enable 4K120/8K60 video passthrough on your TV*

- Go to Settings > Video.
- Select External Inputs > HDMI Signal Format.
- For the HDMI eARC port which Shockwafe Wireless is connected to, either change the setting to ¨HDMI 2.1¨ or ¨Enhanced¨. Alternatively, look for ¨Game Mode¨ on the TV and switch it to ¨Auto/On¨.

*Feature is only available on select TVs that support 4K120 input.

3.6   Using Bluetooth® Wireless Audio

A.   Bluetooth 5.3

Stream music wirelessly from your favorite devices via Bluetooth [⁎/BT]. Bluetooth 5.3 brings meaningful improvements to wireless stability over previous protocols, allowing your favorite devices to stream audio content to Shockwafe Wireless at further distances.

Best Transmission: If you hear any break-up or disconnect while streaming music from your device, move the source device closer to the soundbar.

B.   Bluetooth Connection

Switch soundbar to Bluetooth mode
- Press the Bluetooth (⁎) button once.
- Alternatively, press and hold the ⟳ INPUT button on the top of the soundbar for 5 seconds.

Pairing Shockwafe Wireless with a Bluetooth device:
1. Set your Bluetooth device into Bluetooth pairing mode.
2. Press and hold the Bluetooth (⁎) button on the remote control
3. "BT" will start flashing on the soundbar display. You can now search for **SHOCKWAFE WIRELESS** on your Bluetooth device and pair to it.
4. ¨BT¨ will stop flashing and display constantly on the soundbar display when successful connection has been established.
5. Play audio from your Bluetooth device. Volume can be controlled via your source device or remote control.

Note: Whenever the soundbar is switched to Bluetooth mode, it will attempt to reconnect with the last device it was paired to.

To disconnect Shockwafe Wireless from a paired Bluetooth device:
1. Press and hold the (⁎) button on the remote control.
2. Then, ¨BT¨ will start flashing on soundbar's display. Shockwafe Wireless is now ready to pair with a new device.

Shockwafe WIreless is not equipped with a microphone, so it cannot operate as a hands-free device.

Reduce the volume level before playing audio content. High volume levels can damage your hearing.

To pair your soundbar with voice assistants like Google Home or Amazon Alexa, scan QR code on the right or visit the link:
bit.ly/sw-wireless-va-pairing

3.7   Connecting to Wi-Fi

Connect Shockwafe Wireless to Wi-Fi to allow the system to download and install firmware upgrades automatically. Shockwafe Wireless is able to connect to 2.4Ghz or 5Ghz Wi-Fi networks.

To do so, download the mobile application. Then, follow instructions in app.

> 💡 A Wi-Fi connection will be established when you connect your Apple device to Shockwafe Wireless using AirPlay 2.

3.8   Managing Wi-Fi Connectivity

Check Wi-Fi Status:
1. Press the **INFO** button on the remote repeatedly. The name of the current network that Shockwafe Wireless is connected to will be displayed among the parameters.

> 💡 If "NO WIFI" is displayed, Wi-Fi is not connected. Ensure your router is turned on and discoverable. Then, use the mobile application to set-up Wi-Fi.

To reset Wi-Fi settings or connect to a new wireless network
1. Press **SETUP** on the remote repeatedly, until ¨WIFI RESET¨ is shown on the soundbar display.
2. Press **ENTER**.
3. Press ◄/► to select ´**RESET Y**´.
4. Press **ENTER**.

The soundbar will forget the existing Wi-Fi connection, and be ready to pair to a new Wi-Fi network. Use the mobile app or AirPlay 2 to connect Shockwafe Wireless to your home network.

3.9   Using AirPlay (Apple Devices Only)

AirPlay lets you stream music and other content from your Apple devices to Shockwafe Wireless using your Wi-Fi network.

Steps and menu names may differ slightly based on your device and software version. This guide is tailored for iPhone users.

Connecting Shockwafe Wireless to Wi-Fi
1. **Set Input Source:** Make sure the Shockwafe Wireless is not in ✳ mode (e.g., set it to TV input). If in ✳ mode, press the button once to switch to AirPlay mode.
2. **Connect iPhone to Wi-Fi:** Open your iPhone's settings and ensure it's connected to your home Wi-Fi.
3. **Find AirPlay Speaker:** Scroll down and wait for "**SET UP NEW AIRPLAY SPEAKER**" to appear. Tap "SHOCKWAFE WIRELESS."
4. **Complete Setup:** Follow the on-screen instructions to connect the soundbar to Wi-Fi. Tap "**Next**" and wait for the setup to finish.
5. **Success:** Once connected, a message will confirm the connection. Tap "**Done**."

> ☀ The soundbar will attempt to reconnect to this wireless network the next time it is used.

Stream Audio to Shockwafe Wireless via AirPlay
1. Open the Control Center on your Apple device.
2. Tap the '**AirPlay**' icon.
3. Select your soundbar from the **Speaker and TVs list**. The iPhone will establish an AirPlay connection with your soundbar.
4. Play desired content from your Apple device. Audio will output through the soundbar.

> ☀ Lower the volume level before playing audio content. High volume levels can damage your hearing.
>
> ⚠ Note: AirPlay is only compatible with Apple devices. To play audio from your Android device wirelessly, use Bluetooth. See Section 3.6, pg 21.
>
> ⚠ Using AirPlay 2 on a new Wi-Fi Network? Perform a Wi-Fi reset, then connect to the new network.See Section 3.8, pg 22.

SECTION 4

CONTROL

4.1 Remote Functions

A. Remote Functions at a Glance

Power On / Off ⏻
After setting up HDMI eARC/ARC, always power on soundbar through your TV or content device's remote control power button. Always use your TV remote to power OFF the entire system.

USB: For firmware upgrade only.

Equalizer & Night Mode:
Experience audio equalizers tailored for various content (Section 4.2A, pg 27).

Press "ALL CH STEREO" when listening to stereo content (e.g. music).

All Channel Stereo (Recommended):
Upmixes stereo playback to surround speakers. Best for music and content with minimal rear surround effects.

Stereo Only: Enables playback with soundbar + subwoofers only (no surround).

Press ✿ or use ▲▼ to navigate. Press **ENTER** to select.

Press ◄► to browse options, ENTER to save changes.

Press ⬏ to exit settings.

■ **INFO button:** Press once to view the source audio format on the soundbar display. Press repeatedly to view more essential info (Section 5.7, pg 38)

⏮ ⏯ ⏭ Bluetooth playback controls.

Mute or Unmute system. ◁

Input Sources
Press "TV" to listen to audio from its built-in streaming apps, or devices connected to TV (via ARC/eARC).

For devices connected to soundbar, press "HDMI 2 / 3 / Optical / Bluetooth / Aux''.

Memory 1 and 2
Save and load personalized settings. See Section 5.6, pg 37 for details.

Press SURROUND when watching Dolby, DTS or Multi-Channel PCM content for a full surround with height experience.

▶◀ **DOLBY Surround: For Dolby/LPCM/PCM audio**

dts **DTS Neural:X: For DTS audio**

STUDIO: Side surround speakers in the soundbar are used to enhance the left and right channels, creating a powerful front presence.

DTS DIRECT / NATIVE: Directly decodes 2.1 / 5.1 / 7.1 channel without upmixing. **(See Section 4.2A, pg 27 for more details)**

Subwoofers, Tonal & Surround Adjustments

Bass, Master Volume: Push the buttons up or down to adjust the levels.

Adjust Center [CR], Treble [TR], Surround Side [SS], Surround Back [SB], Front Height [FH], Middle Height [MH] or Rear Height [RH] Channel Volume. See Section 5.3, pg 34 for details.

AHD: Configure Nakamichi proprietary technology for enhanced height effects. See Section 5.5, pg 36.

Remote buttons:
TV | HDMI 2 | HDMI 3
OPT | ✳ 📶 | AUX
USB | MEM 1 | MEM 2
MUSIC | MOVIE | GAME
NIGHT | DSP
ALL CH STEREO | SURROUND
SETUP ✿ | INFO ■ | RETURN ⬏
ENTER
BASS | VOL
SURROUND SPEAKERS
CR+ | TR+ | SS+ | SB+
CR− | TR− | SS− | SB−
FH− | AHD | FH+
ADAPTIVE HEIGHT DISPERSION
MH− | MH+ | RH− | RH+

For expanded remote control guide, scan QR code
or visit: **bit.ly/sw-wireless-remote-guide**

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4.1 Remote Functions

B. Selecting Different Input Sources

Press one of these buttons to select an input source. Each input source will be shown on the soundbar display.

Input Source
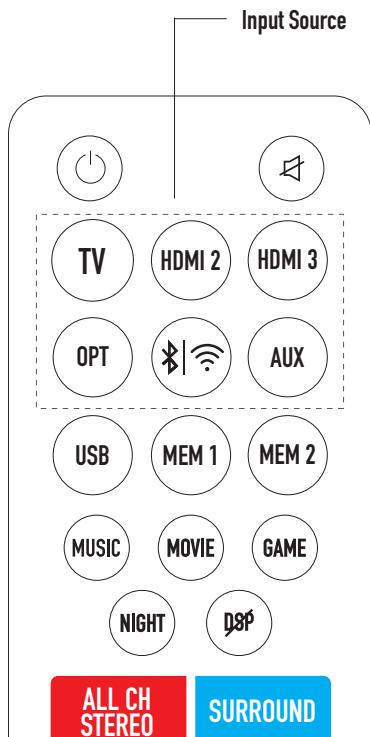
Button	LED Display
TV	TV eARC / TV ARC
HDMI 2	HDMI 2
HDMI 3	HDMI 3
OPT	OPTICAL
✳ 🛜	BT / AIRPLAY (Press Twice)
AUX (Auxiliary / 3.5mm Stereo input)	AUX

4.2 Surround, Equalizer (EQ) & Night Mode (DRC)

A.   Surround Mode

Channel mapping / upmixing is essential because most content is not encoded in 11.2.6 channels. Shockwafe Wireless offers a variety of channel mapping methods to optimize your listening experience. Dolby and DTS employ their proprietary upmixing technologies to decode and optimize content.
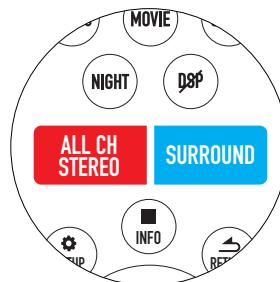
SURROUND **Button**

◖◗ **Dolby Upmixing (for Dolby Digital / Dolby Digital Plus / Dolby TrueHD / Dolby Atmos, LPCM 7.1 / LPCM 5.1 / PCM content and Studio Mode)**

Upmixing	Description
Dolby Surround (Default)	Dolby technology will upmix audio content to all audio channels with vertical surround effects. **DOLBY SURROUND**
Native*	Dolby/PCM/LPCM content are directly decoded without audio upmixing.
Studio	Studio mode uses the same channel upmixing fundamentals as Dolby Surround. The only difference is that the side surround speakers of the soundbar are repurposed into Left and Right channels, each powered by 4 Punktkilde full range drivers and a tweeter for stronger front presence. Front Left Front Right **STUDIO**
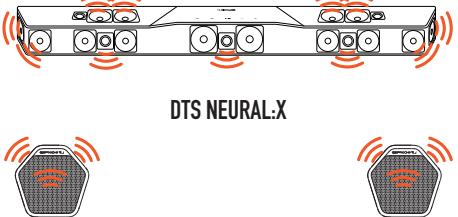
*In Native mode, some channels will not produce sound.

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4.2 Surround, Equalizer (EQ) & Night Mode (DRC)
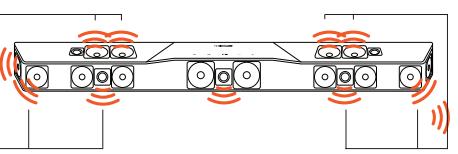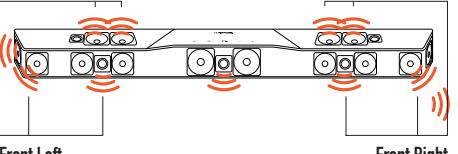
A. Surround Mode

dts **Upmixing (for DTS / DTS-HD / DTS-HD MA / DTS:X content)**
Note: When playing Dolby or PCM content, it is not possible to select DTS modes.

DTS Neural:X (Default)	DTS Neural:X technology will upmix most DTS encoded audio content to all audio channels with vertical surround effects*.	**DTS NEURAL:X**
DTS Direct / Native*	DTS content is directly decoded without audio upmixing.	

*For more information about DTS Neural:X, view the Glossary (Section 11.2, pg 66)

ALL CH STEREO **Button**

All Ch Stereo	Left, Right and Center channel signals (if available) are upmixed and transmitted to the surround speakers to boost rear surround output.	Front Left Front Right **All CHANNEL STEREO** **FRONT LEFT / RIGHT + CENTER, SURROUND & HEIGHT CHANNELS**
Stereo	Enables stereo playback using all speakers in the soundbar.	Front Left Front Right **STEREO** **NO SOUND**

4.2   Surround, Equalizer (EQ) & Night Mode (DRC)

B.   Equalizer (Audio Presets and Night Mode)

EQ (EQUALIZER)

Press these EQ buttons on your remote to select your desired settings. The system will remember the last setting.
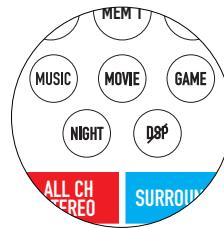
Button	Equalizer Mode	Description
Music (Default: Music 1)	**Music 1**	Front-row concert listening experience. Enjoy maximum punch and sound pressure level (loudness).
	Music 2	Optimizes between sound pressure level (loudness) and dynamic range.
	Music 3	Prioritize music details and dynamic range over volume. More vibrant, spacious and natural sounding.
Movie (Default: Movie 2)	**Movie 1**	Experience a thrilling environment that puts you in the center of the action. Enjoy maximum intensity and sound pressure level (loudness).
	Movie 2	Optimizes between sound pressure level (loudness) and dynamic range. Feel greater immersion, depth and clarity.
	Movie 3	Prioritize movie details and dynamic range over volume. More vibrant, spacious and natural sounding.
Game	**Game**	Experience enhanced depth and spaciousness from surround sound effects of all game genres.
	News	Feel like you are seated at the front row of a live talk show. Hear crystal clear dialog.
	Sports	Experience the energetic environment of live sports broadcasts. Hear the commentator's voice take center stage, while sounds that fill the stadium surround you.
DSP OFF	**DSP OFF**	Audio playback without using any predefined Nakamichi EQ setting.

4.2 Surround, Equalizer (EQ) & Night Mode (DRC)

B.   Equalizer (Audio Presets and Night Mode)

Night Mode / Dynamic Range Compress (DRC)
This feature normalizes loud sounds, ideal for clear audio during nighttime or quiet listening.

Available with DTS and DOLBY encoded content on HDMI, HDMI ARC/eARC and Optical inputs.
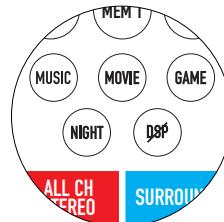
Button	LED DISPLAY	Description
Night*	NIGHT OFF	Volume normalization OFF (default).
	NIGHT 50	50% of volume normalization.
	NIGHT 100	100% of volume normalization, recommended for nighttime listening.
	NIGHT AUTO	Automatic contextual volume normalization.

*The unit will support Night Mode through Dolby DRC and DTS DRC, which will function independently for Dolby and DTS sources. For non-Dolby or DTS sources, pressing the Night Mode button will have no effect.

PERSONALIZE

5.1 BASS and Treble

Shockwafe Wireless comes with a variety of tonal adjustments that allow you to personalize the listening experience. Tone controls can be adjusted from 0 to 10 steps.
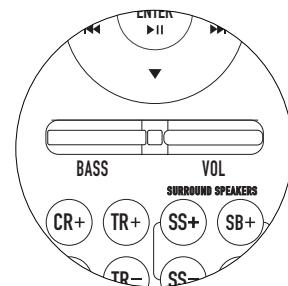
Button	LED Display	Description
BASS	Bass __	Adjusts the overall volume of low-frequency notes. Toggle the buttons up or down to adjust the level.
TR +/-	Treble __	Adjusts the volume of high-frequency notes.

5.2   Channel Configuration

Soundbar

Front Heights

Middle Heights

Left, Center & Right

Inner Surrounds

Outer Surrounds

Left Subwoofer

Right Subwoofer

Back Channels

Rear Heights

Side Channels

Left Surround Speaker
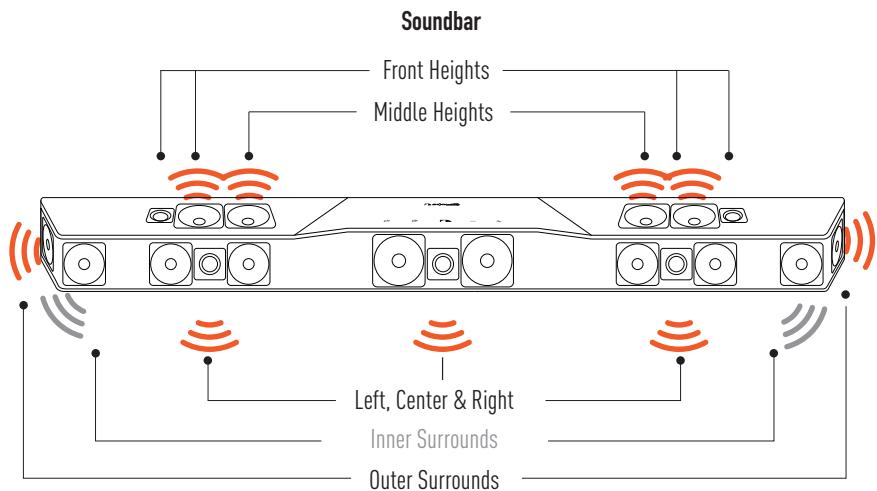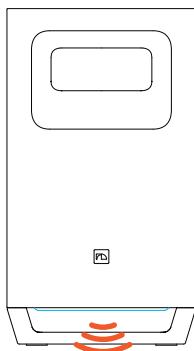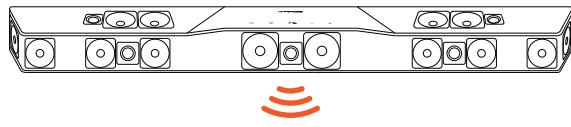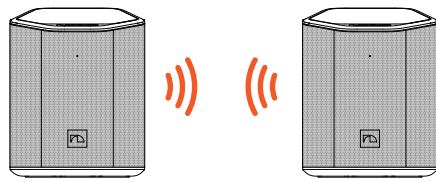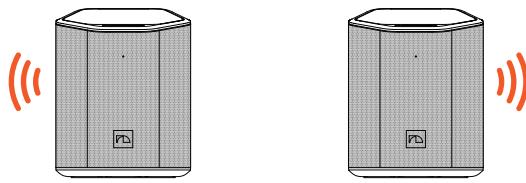
Right Surround Speaker
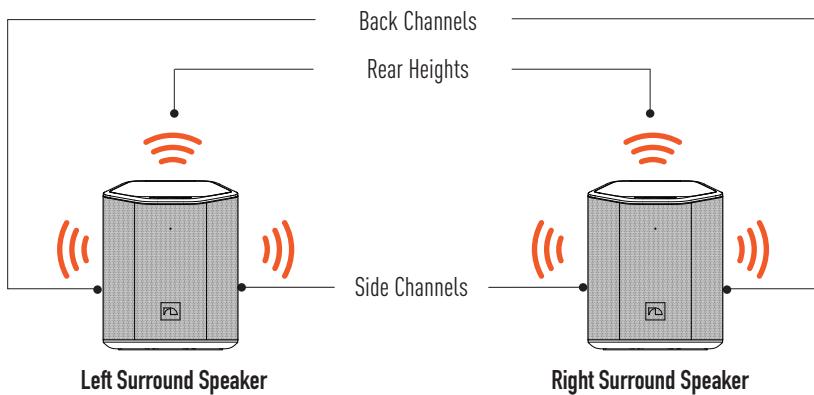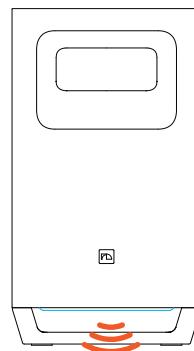
5.3 Channel Volume Adjustments

Channel Volume controls can be adjusted from 0 to 10 steps.

Button	LED Display	Description
CR +/-	**Center ___**	Adjusts the volume of the **Center channel** in the **soundbar** (delivers most of the dialogue for video content).
SS +/-	**Sur Speakers Side ___**	Adjusts the volume of the **Side channels** in the **Surround Speakers**.
SB +/-	**Sur Speakers Back ___**	Adjusts the volume of the **Back channels** in the **Surround Speakers**.

5.4 Height Channel Volume

Shockwafe Wireless features a total of 6 up-firing channels. Each side of the soundbar includes an up-firing driver and tweeter for the front height channel. The up-firing driver closest to the center handles middle height channel content.

The remaining 2 up-firing speakers are in the surround speakers.
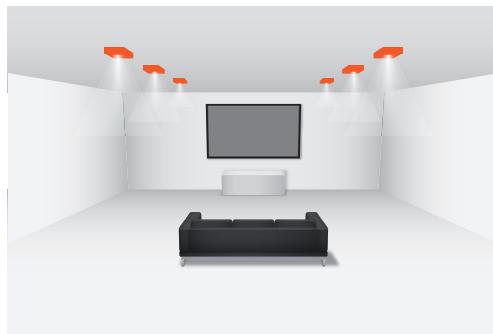
Adjusting the height channel volume
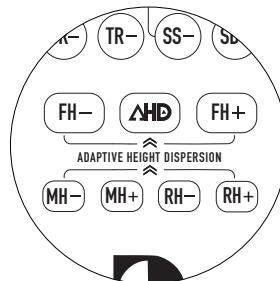
Button	LED Display	Description
FH +/-	F HGHT ___	Adjusts the volume of the outer up-firing driver and tweeter.
MH +/-	M HGHT ___	Adjusts the volume of the inner up-firing driver.
RH +/-	R HGHT ___	Adjusts the volume of rear height channels.

5.5 Adaptive Height Dispersion

Get the most immersive height surround performance based on the acoustics of your listening environment with Nakamichi's proprietary Adaptive Height Dispersion (AHD) processing technology.
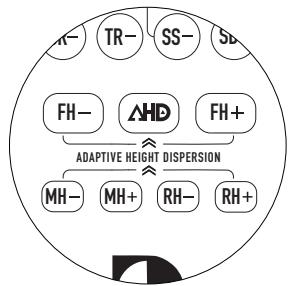
AHD Modes/ LED Display	Function
AHD OFF	Delivers height performance as intended by the movie director.
AHD FOCAL	Directs height effects for a more center-targeted soundstage.
AHD WIDE	Optimizes height effects for an expanded, panoramic soundstage.
AHD ULTRA (Default)	Unlocks the true potential of height effects, delivering next-level spatial depth and dimensionality.

5.6 Save Your Favorite Settings

2 sets of audio settings can be saved onto Shockwafe Wireless' memory, allowing quick access to your favorite audio preferences for different content (e.g. movies and music).

A. <u>Saving Settings to System Memory</u>
1. Personalize your settings.
2. Press and hold **MEM 1 / 2** button on the remote.
3. The following will be displayed when settings have been successfully saved:
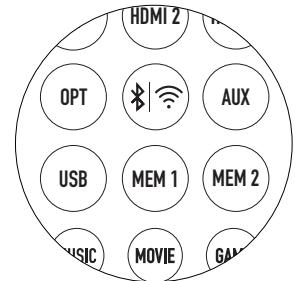
Button	Function	Soundbar Display
1	Favorite 1 Saved	FAV1 SAVED
2	Favorite 2 Saved	FAV2 SAVED

> The following audio settings can be saved and loaded as your favorite settings:
>
> | | |
> |---|---|
> | • Master Volume | • RSURR |
> | • Equalizer | • LFE |
> | • Surround Mode | • Crossover |
> | • Bass | • L&R SB INNER SUR |
> | • Treble | • L&R SB OUTER SUR |
> | • Center | • Front Height L&R |
> | • Surround L&R | • Middle Height L&R |
> | • Surround Back L&R | • Rear Height L&R |
> | • LSURR | • AHD Option |

B. <u>Loading Favorite Settings</u>
1. Press the **MEM 1 / MEM 2** button once. The corresponding settings will be loaded.
2. The following will be displayed when all settings are loaded.

Button	Function	Soundbar Display
1	Favorite 1 Loaded	FAV1
2	Favorite 2 Loaded	FAV2

> If no settings have been saved to memory, the soundbar display will show "FAV_ NOT SET".

5.7 Using the INFO Button (eARC/ARC)

Each click of the **INFO** button unveils the following details on the soundbar display:
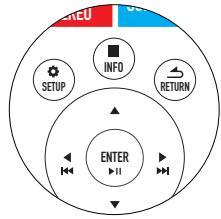
Information Displayed	Description
Audio Format	Audio content type currently received from source device. **(See Section 4.2A, pg 27)**
Surround Mode	Currently selected upmixing mode. **(DOLBY SURROUND (Default), DTS NEURAL:X, DTS DIRECT, STUDIO, NATIVE, ALL CH STEREO, STEREO)**
Equalizer	Currently selected equalizer. **(MOVIE 1 (Default)/2/3, MUSIC 1/2/3, GAME, NEWS, SPORTS, DSP OFF)**
AHD Mode	Current Adaptive Height Dispersion (AHD) Mode **(OFF, AHD FOCAL, AHD WIDE, AHD ULTRA (Default))**
Wireless Frequency Mode	Shockwafe Wireless communicates with other speakers either via 5.8/5.2Ghz. **(WL-CH AUTO (Default), WL-CH 1, WL-CH 2)**
Brightness	BRIGHT 0 = Display with auto shut off BRIGHT 1-3 = Brighter to Brightest **(BRIGHT 0, BRIGHT 1, BRIGHT 2, BRIGHT 3 (Default))**
Lip Sync	Shows the amount of lip sync adjustment being applied. **(LIP 0MS - 200MS)**
Room Size	Shows the current room size selected. **(RM SIZE S/M/L/CUSTOM)**
Low Frequency Effect (LFE)	Decreases the volume of low-frequency effects. **(LFE 0DB - LFE -12DB)**
Surround Speakers	Surround Speakers on/off **(SURR ON, SURR OFF)**
Eco Mode	Power Saving Mode **(ECO ON/OFF)**
Crossover	Subwoofer crossover frequency currently set **(CO 130HZ, CO 150HZ, CO 180HZ)**

💡 Each line will scroll twice for fields exceeding 8 characters, then the normal timeout sequence will resume.

5.7   Using the INFO Button (eARC/ARC)

Each click of the **INFO** button unveils the following details on the soundbar display:
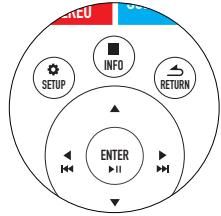
Information Displayed	Description
HDMI CEC	HDMI-CEC One Touch Play **(CEC ON/OFF)**
Right Surround Balance	Right Surround Balance Adjustment Level **(R BAL –3 to R BAL 00 (Default) to R BAL +3)**
Left Surround Balance	Left Surround Balance Adjustment Level **(L BAL –3 to L BAL 00 (Default) to L BAL +3)**
Wireless Strength	Current Wireless Frequency Strength **(WL–STR 1, WL–STR 2 (Default), WL–STR 3)**
Wireless Network Connected	Displays the name of the wireless network Shockwafe Wireless is connected to. **(WiFiNetworkName. "NO WIFI" If not connected)**
Firmware Version	Displays current firmware version **(FW XXX)**

💡 Each line will scroll twice for fields exceeding 8 characters, then the normal timeout sequence will resume.

MOBILE APPLICATION

6.1 Installation

Install the mobile application on your smartphone to:
- Adjust key settings on Shockwafe Wireless
- Calibrate Shockwafe Wireless for your room
- Connect Shockwafe Wireless to Wi-Fi for AirPlay 2 (Apple devices only) and firmware upgrades
- Register your warranty
- Access the Quick Start Guide and User Manual
- Receive Nakamichi Concierge support

Scan the QR Code below to download the mobile application, or search for **"Nakamichi Remote"** on the Apple App Store / Google Play Store:

GET IT ON **Google Play**	Download on the **App Store**

💡 Register your Shockwafe Wireless warranty in minutes via the mobile app today!

ADDITIONAL SETTINGS

7.1 Using The Setup Button

1. Press ✿ **SETUP**. Use ▼▲ , or press ✿ repeatedly to cycle through settings. Press **ENTER** to select.
2. Press ◄ ► to browse options, **ENTER** to save changes.
3. Press ⬑ to exit settings.
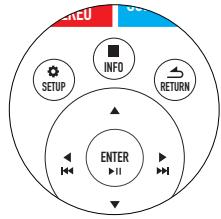
LED Display	Function	See
WIRELESS CH	Wireless Channel Frequency Adjustment Option	Section 7.5, pg 48
LCD SCRN	Soundbar Display Brightness	Section 7.2, pg 44
LIPSYNC	Lip Sync Adjustment	Section 7.2, pg 44
RM SIZE	Room Size	Section 7.3, pg 46
LOW FREQ EFFECTS	Low Frequency Effects Level Adjustment	Section 7.2, pg 44
SUR SPKR	Surround On / Off	Section 7.2, pg 44
ECO	Eco Mode	Section 7.2, pg 44
CROSSOVR	Subwoofer Crossover Frequency	Section 7.2, pg 44
CEC	HDMI-CEC One Touch Play	Section 7.2, pg 44
R SURR	Right Surround Balance	Section 7.2, pg 44
L SURR	Left Surround Balance	Section 7.2, pg 44
INNER SUR	Inner Surround Channel Volume	Section 7.2, pg 44
OUTER SUR	Outer Surround Channel Volume	Section 7.2, pg 44
SUB|SUR PAIR	Wireless Subwoofers and Surround Speakers Pairing	Section 10.2, Pg 59
WIRELESS STRENGTH	Wireless Strength	Section 7.5, pg 48
WIFI RESET	Reset (Forget) WiFi Connection	Section 7.5, pg 48
SYSTEM RESET	Reset System to Factory Settings	Section 7.2, pg 44
FW CHECK	Manually check for firmware upgrades via Wi-Fi.	Section 9.1 Pg 50

💡 Each line will scroll twice for fields exceeding 8 characters, then the normal timeout sequence will resume.

7.2   Audio and Miscellaneous Settings

These settings can be accessed through the ✿ SETUP button.

A.   Audio Settings

LED Display	Function
LIPSYNC *Default: 0ms*	<u>Lip Sync</u> **Adjustment:** When TV video appears slower than the audio from the soundbar, adjust this until both are in sync. **(Options: 0ms to 200ms, increments of 10ms)**
LOW FREQ EFFECTS *Default: 0dB*	<u>Low Frequency</u> <u>Effects</u> **Level Adjustment:** Decreases the volume of low-frequency effects. If the bass feels too overpowering, adjust by 1-3 dB. Test with low-frequency content to fine-tune subwoofer and EQ controls to achieve your preferred bass response. **(Options: 0dB to –12dB)**
SUR SPKR *Default: On*	**Surround <u>On</u> / <u>Off</u>**: Enable / Disable audio playback from the rear speakers.
CROSSOVR *Default: 180Hz*	**Subwoofer <u>Crossover</u> Frequency:** Set the highest bass frequency the subwoofer will play. **(Options: 130Hz, 150Hz, 180Hz)**
L SURR *Default: 00*	<u>Left</u> <u>Surround</u> **Balance:** Increase or decrease the level of the back and side surround channels in the left bipolar speaker. **(Options: L BAL –3 to L BAL 00 to L BAL +3)**
R SURR *Default: 00*	<u>Right</u> <u>Surround</u> **Balance:** Increase or decrease the level of the back and side surround channels in the right bipolar speaker. **(Options: R BAL –3 to R BAL 00 to R BAL +3)**
INNER SUR *Default: 7*	<u>Inner Surround</u> **Channel Volume:** Increase or decrease the level of the inner surround channels in the soundbar. **Options: (INN S 00 – INN S 10)**
OUTER SUR *Default: 7*	<u>Outer Surround</u> **Channel Volume:** Increase or decrease the level of the outer surround channels in the soundbar. **Options: (OUT S 00 – OUT S 10)**

7.2   Audio and Miscellaneous Settings

These settings can be accessed through the ✿ SETUP button.

B.   Miscellaneous Settings

LED Display	Function
LCD SCRN *Default: BRIGHT 3*	**Soundbar Screen Brightness Options:** Increase or reduce the brightness of the soundbar display. **(Options: BRIGHT 0, BRIGHT 1, BRIGHT 2, BRIGHT 3. At 0, the soundbar display auto-turns off after a few seconds. Press any key to wake)**
ECO *Default: On*	**Eco Mode:** Switches Shockwafe Wireless into standby mode when no signal is detected after 20 minutes. **(Options: On, Off)**
CEC *Default: On*	**HDMI-CEC One Touch Play:** Enable / Disable HDMI-CEC commands between Shockwafe Wireless and external CEC-enabled source devices [e.g. TV], allowing the device to turn on the TV and switch its HDMI port automatically. **(Options: On, Off)**
WIFI RESET	**WIFI RESET:** Forgets the current wireless network that Shockwafe Wireless is connected to. **(Options: Reset Y / Reset N)**
SYSTEM RESET	**Reset to Factory Settings:** Refreshes Shockwafe Wireless software and restores factory default settings. **Options:** • **NO:** Do not reset. • **REFRESH:** Reset all settings without erasing 'Favorite Settings' saved to memory and 'Custom Room Calibration' values. • **RESET Y:** Reset all settings.

7.3   Room Calibration

A.   Easy Setup

The Calibration tab provides the option to customize Shockwafe Wireless's playback to better suit your listening environment. Easy sound setup customizes and delivers instant room calibration for most rooms.

Adjust room size

1. Press ✿ SETUP button repeatedly until "RM SIZE" is shown on the soundbar display.
2. Press ENTER. Use ◀/▶ to select the option closest to your actual room size.
3. Press ENTER to apply.

Medium

Small

Height speaker distance to ceiling: 8ft

Height speaker distance to ceiling: 8ft

Large

Height speaker distance to ceiling: 15ft
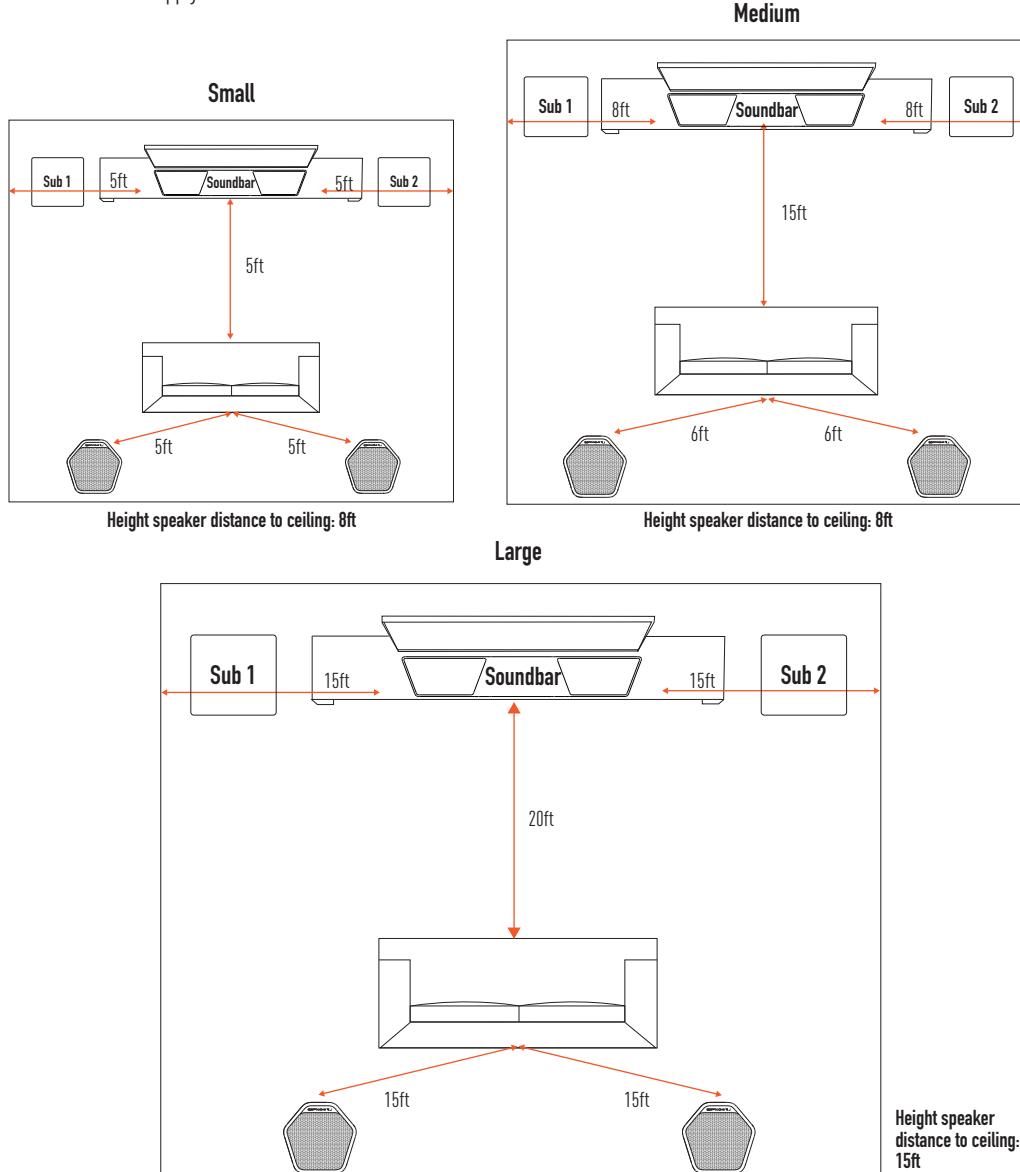
7.4   Calibration Settings

B.   Full Calibration

Advanced users can manually enter distances between speakers and nearby walls using the 'Nakamichi Remote' mobile application. This fully optimizes Shockwafe Wireless audio output for the listening environment.

General Steps
A.   Install the mobile application and pair your smartphone with Shockwafe Wireless.
B.   In the mobile application, navigate to the calibration tab. Then, select the distances between speakers and nearby walls.
C.   Shockwafe Wireless utilizes these custom settings to deliver optimized audio performance.

Available Parameters

Speaker Unit	Distance to	Range / Placement
Soundbar	Listening Area	5.0 - 25.0 ft+
	Side Wall (Left / Right)	1.0 - 15.0 ft+
	Ceiling	2.0 - 20.0 ft+
	Surround Speakers	5.0 - 30.0 ft+
Subwoofers	Listening Area (Left Subwoofer)	2.0 - 25.0 ft+
	Listening Area (Right Subwoofer)	2.0 - 25.0 ft+
Surround Speakers	Listening Area (Left)	2.0 - 15.0 ft+
	Listening Area (Right)	2.0 - 15.0 ft+

Precision: 0.1ft

-ᤩ- You can adjust using metric units (meters) through the app.

7.5   Wireless Transmission Settings

By default, Shockwafe Wireless uses the 5 GHz frequency band to communicate with its wireless subwoofers and surround speakers. In rare instances, nearby wireless networks (e.g. home Wi-Fi) may conflict with the system's wireless audio transmission, causing interruptions in the sound from the surround speakers and / or subwoofers.

You can adjust the following settings to optimize Shockwafe Wireless' transmission for your home environment.

> ⚠ These settings should only be changed if you are facing audio interruptions from the wireless surround speakers or subwoofers.

Scan the QR Code or visit **bit.ly/sw-wireless-optimization** for recommendations tailored to your home.

Adjust Wireless Transmission Options
1.   Press ✿ **SETUP** button repeatedly until the desired option is displayed by the soundbar.
2.   Press **ENTER**. Then, use ◀ / ▶ to select an option.
3.   Press **ENTER** to apply the selected setting.

Setting	Description
WIRELESS CH *Default: WL-CH AUTO*	**Wireless Channel Frequency Adjustment** (Options: WL-CH AUTO: System communicates using the 5.2GHz and 5.8GHz band. WL-CH 1: Shockwafe Wireless communicates using the 5.2GHz band. WL-CH 2: Shockwafe Wireless communicates using the 5.8GHz band.)
Wireless Strength *Default: WL-STR 2*	**Wireless Frequency Strength** ⚠ Varying degrees of wireless communication strength. Use the setting that enables smooth wireless communication between Shockwafe Wireless system components. **(Options : WL-STR 1, WL-STR 2, WL-STR 3)**
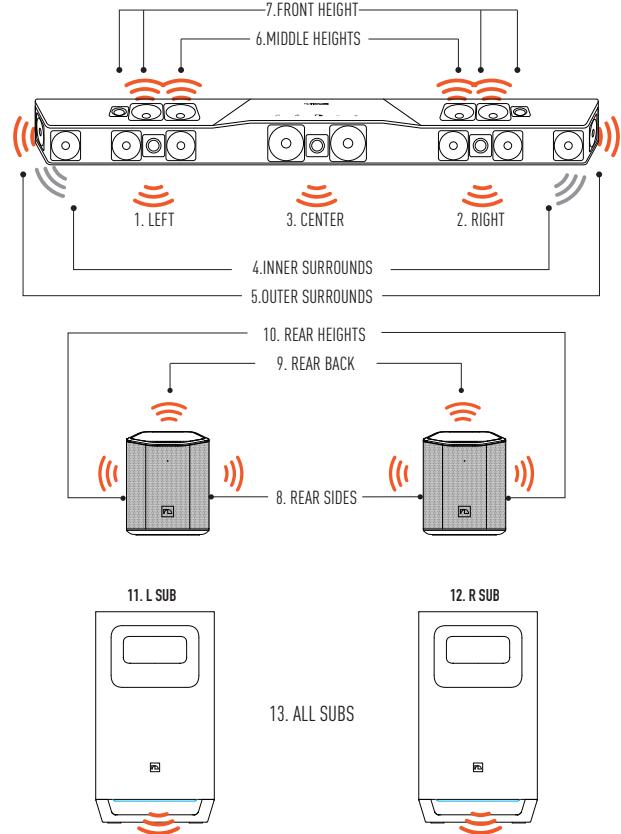
DEMO WITH CHANNEL TEST TRACKS

8   Demo with Channel Test Tracks

1.   Power on the soundbar and press ⬛ on the touch panel.
2.   Press ⬅ RETURN on the remote to end the Demo at any time.

Tracks Available:

Soundbar Display	Description
Name of Channel being played: **Starting from** **1. LEFT CHANNEL**	Plays channel test tones across each channel, using the following sequence: 7.FRONT HEIGHT 6.MIDDLE HEIGHTS 1. LEFT 3. CENTER 2. RIGHT 4.INNER SURROUNDS 5.OUTER SURROUNDS 10. REAR HEIGHTS 9. REAR BACK 8. REAR SIDES 11. L SUB 12. R SUB 13. ALL SUBS

FIRMWARE UPGRADE AND FACTORY RESET

9.1 Check the Firmware Version

Firmware upgrades are released periodically to offer additional features and enhance performance.

To check your current firmware version: With the system powered on, press the INFO button repeatedly until the display shows ¨FW XXX¨.

The current firmware version will be displayed.

9.2 Perform a Firmware Upgrade

⚠ Ensure that the soundbar, subwoofers and surround speakers are all powered on and connected before starting a firmware upgrade.

Method 1 (Recommended): Through Wi-Fi Connection
1. Install the mobile application. See Section 6.1, pg 41.
2. Follow the in-app instructions to connect Shockwafe Wireless to Wi-Fi.

Once connected, Shockwafe Wireless can be configured to periodically check for firmware upgrades and install them when connected to Wi-Fi.

Video Instructions for:

PC   MAC

Manually Check for Firmware Upgrades
Press the ⚙ **SETUP** button repeatedly, until ¨FW CHECK¨ appears on the display. Press ENTER.The soundbar will check for upgrades. The following will show:

| FW CHECK | ⟶ | UPG DONE |
| Checking for updates | | Firmware Upgrade Complete! |

↓

FW FOUND. PRESS ENTER TO DOWNLOAD
Press **ENTER** to download.

FW DOWNLOAD – DO NOT TURN OFF

FW DOWNLOAD – XX PERCENT
Firmware download in progress. Do not power off soundbar.

FUNCTION NA – FW DOWNLOADING
Firmware download in progress. Bluetooth/AirPlay not available.

FW DOWNLOAD HALTED – RESTARTING
Firmware could not be downloaded. Restarting download.

9.2   Perform a Firmware Upgrade

Once firmware is downloaded, the soundbar will show:

FW DONE. PRESS POWER TO UPGRADE

SYSTEM NOT USABLE DURING UPGRADE

Power off Shockwafe Wireless through your TV or soundbar remote to start the upgrade.

The following may be displayed while the firmware is being upgraded:

**UPGRADING –
DO NOT TURN OFF**

**UPGRADING –
XX PERCENT**

Upgrade in Progress

→

UPG DONE

Firmware Upgrade Complete!

→

SW ON

Soundbar will reboot

FW UPG FAILED – RESTARTING

Firmware could not be upgraded.
System will re-attempt the upgrade.
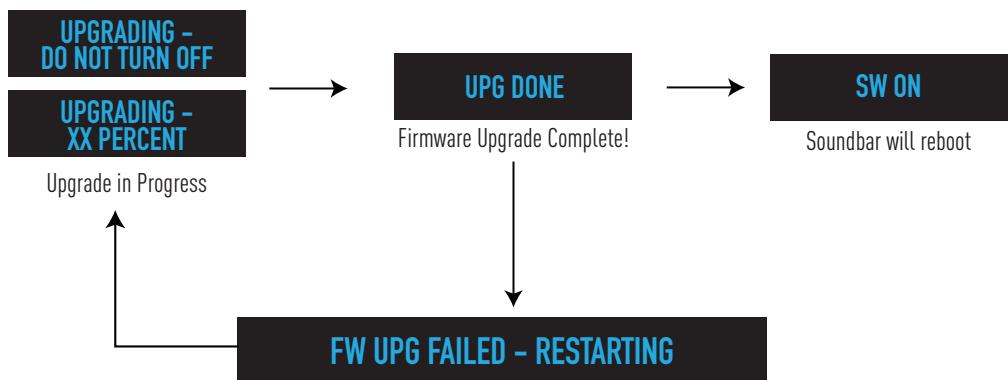
Important: Never Interrupt a Firmware Upgrade!
- The upgrade may take up to 30 minutes. During this time, pairing lights from the wireless speakers may flash—this is normal.
- Ensure all speaker components remain powered on throughout the process.
- Do not turn off, restart, or press any buttons on the speakers or remote, even if the LED display appears unresponsive.
- Interrupting the firmware upgrade may render the system inoperable (bricked).

⚠ A factory reset is recommended after every firmware upgrade. See Section 9.3.

9.2 Perform a Firmware Upgrade

Method 2: Use a USB Drive

Prepare the USB Drive

1. Prepare a USB 2.0 / 3.0 drive with a capacity under 32GB. Hard Disk Drives are not supported.
2. Plug the USB drive into your PC / Mac.
3. Reformat the USB drive to FAT or FAT32 format. Other file system types (e.g. exFAT or NTFS) are not supported. This step is essential for Shockwafe Wireless to recognize the firmware file.

Video Instructions for:

| PC | MAC |

Download Official Nakamichi Firmware

1. Visit support.nakamichi-usa.com/shockwafe-wireless/firmware-upgrade to download a ZIP file containing the latest firmware.
2. Unzip the ZIP file. Copy the firmware file directly into your USB drive. No folder creation required.

⚠ Do not change the name of the file!

Upgrade Shockwafe Wireless

⚠ Ensure that the soundbar, subwoofers and surround speakers are all powered on and connected before starting a firmware upgrade.

1. Power on Shockwafe Wireless. Using the remote, press **USB** to switch to USB mode.
2. Plug in the USB drive.
3. The LED display will show a prompt.

READ

Scanning USB Drive for a firmware upgrade file.

↓

UPGRADE: PRESS OK TO START

A new firmware version is ready to be installed.
Press **ENTER** to start.

OR

FW UP TO DATE

You already have the latest firmware.
Switch input sources to continue using the system.

4. Press **ENTER** to begin the firmware upgrade process.

⚠ To see what is displayed during the firmware upgrade process, refer to the previous page.

9.3   Perform a Factory Reset

A factory reset is strongly recommended after each firmware upgrade to refresh and optimize the system.

> ⚠ All custom presets, input names and calibration values will be reset. Take a screenshot of your settings in the mobile application before performing this step.

<u>**Through Soundbar Settings**</u>
1. Power ON Shockwafe Wireless. Press ✿ **SETUP** until the soundbar display shows SYSTEM RESET.
2. Press **ENTER**.
3. Press ◀ / ▶ to select between these options:
   - **REFRESH:** Factory settings will be restored. The soundbar will retain your saved favorite settings and any custom room calibration distances set.
   - **RESET Y:** All Factory settings will be restored. Any favorite settings or custom room calibration distances will be deleted.
4. Press **ENTER** to initiate factory reset. Shockwafe Wireless will reboot.

Shockwafe Wireless is now ready to use with factory settings restored.

RECONNECTING COMPONENTS

10.1 Check Wireless Components Connection Status

Check the LED lights on the subwoofers / surround speakers.

These lights indicate the connection status of the wireless components.
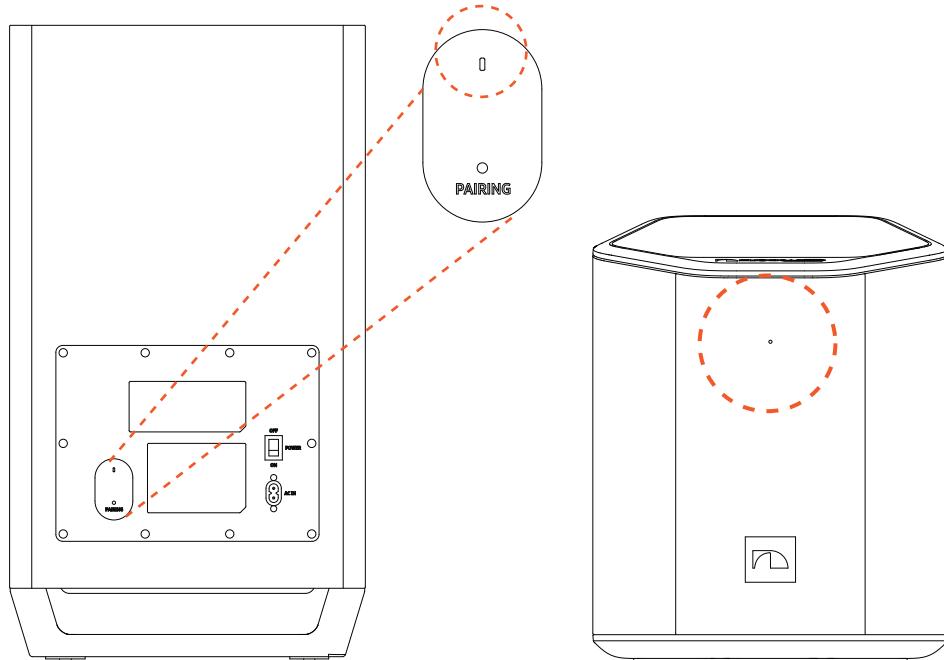
LED Indicator	Status
Solid Blue	**Connected to Shockwafe Wireless.** Lights will turn off after a few seconds of being connected. To re-activate, adjust the volume level. LED lights will turn on for 30 seconds, and turn off to minimize distraction.
Blinking Blue Light	Subwoofer / Surround speaker is turned on, looking for soundbar to pair with.
Rapidly Blinking Blue light	Subwoofer / Surround speaker in pairing mode, searching for a soundbar to connect to.
Off	In standby mode, or when connected to the soundbar for more than 30 seconds without adjusting the main volume.

10.2 Re-pairing Subwoofers

1. Connect power to each subwoofer. Toggle the power switch to "ON" position.
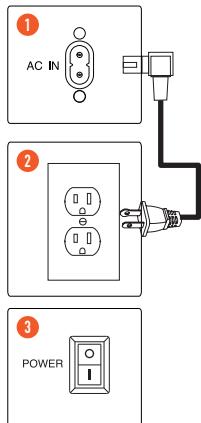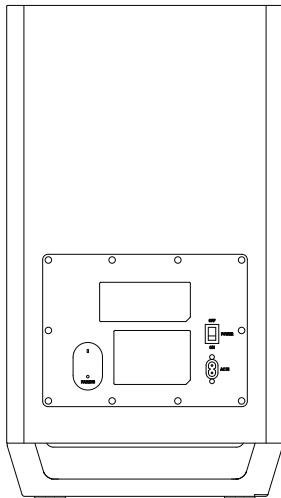
2. Press and hold the pairing button behind the subwoofers until the blue LED blinks rapidly.

Blue LED
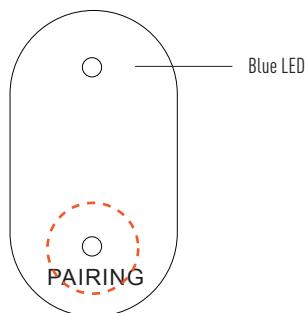
PAIRING

The subwoofers will stay in pairing mode for 180 seconds. Complete the remaining steps within this timeframe.

10.2 Re-pairing Subwoofers

3. Press and hold ⬏ on the top of the soundbar for 5 seconds while system is on.

> 💡 Alternatively, press the ⚙ **SETUP** button, and navigate to SUB|SUR PAIR. Then, press **ENTER**.

4. The soundbar will search for subwoofers to pair with. The display indicates which subwoofers have been successfully connected.

LW_.RWS	**PAIRED: L**eft sub**w**oofer, **R**ight sub**w**oofer + **s**urround speaker **NOT PAIRED**: Left **s**urround speaker
LWS.RW_	**PAIRED:** Left sub**w**oofer + **s**urround speaker, **R**ight sub**w**oofer **NOT PAIRED**: **R**ight **s**urround speaker
LWS.RWS	**PAIRED:** Left sub**w**oofer + **s**urround speaker, **R**ight sub**w**oofer + **s**urround speaker
ALL PAIRED	**All** subwoofers and surround speakers are already paired.

> 💡 If a dash is displayed instead of "W", a subwoofer is not paired. Refer to the previous section to re-pair the affected subwoofer.

5. If any subwoofer was not paired successfully, the display will show:

FAILED

Retry steps 3-5.

> 💡 **If the above steps do not result in successful pairing**
> • Adjust the wireless frequency and / or increase wireless strength, then retry steps 2-5. See Section 7.5, pg 48.
> • Temporarily relocate both subwoofers closer to the soundbar. Retry steps 1-5.

10.3 Re-pairing Surround Speakers

1. Connect the surround speakers to power.
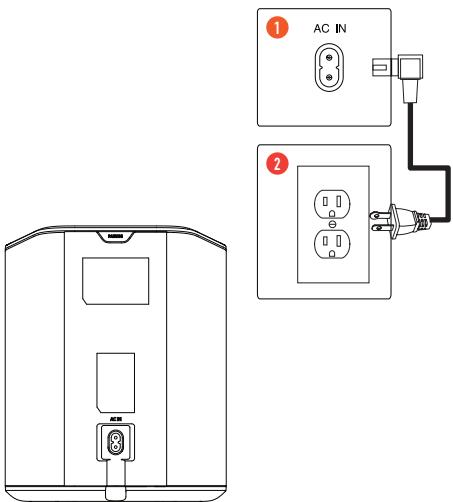
Back of surround speakers

2. Press and hold the pairing button on the top of the surround speaker until the blue LED blinks rapidly.
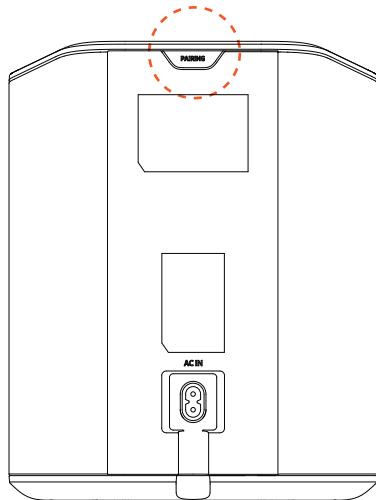
💡 The surround speakers will stay in pairing mode for 180 seconds. Complete the remaining steps within this timeframe.

10.3 Re-pairing Surround Speakers

3. Press and hold 🔦 on the top of the soundbar for 5 seconds while system is on.

💡 Alternatively, press the ⚙ **SETUP** button, and navigate to SUB|SUR PAIR. Then, press **ENTER**.

4. The soundbar will search for surround speakers to pair with. The display indicates which surround speakers have been successfully connected.

L_S.RWS	**PAIRED: L**eft **s**urround speaker, **R**ight sub**w**oofer + **s**urround speaker **NOT PAIRED**: Left **s**ubwoofer
LWS.R_S	**PAIRED: L**eft sub**w**oofer and **s**urround speaker, **R**ight **s**urround speaker **NOT PAIRED**: **R**ight **s**ubwoofer
LWS.RWS	**PAIRED:** Left sub**w**oofer + **s**urround speaker, **R**ight sub**w**oofer + **s**urround speaker
ALL PAIRED	**All** subwoofers and surround speakers are already paired.

💡 If a dash is displayed instead of ¨S¨, a surround speaker is not paired. Refer to the next section to re-pair the affected surround speaker.

5. If any surround speaker was not paired successfully, the display will show:

**FAILED**

Retry steps 3-5.

💡 **If the above steps do not result in successful pairing**
- Adjust the wireless frequency and / or increase wireless strength, then retry steps 2-5. See Section 7.5, pg 48.
- Temporarily relocate both subwoofers closer to the soundbar. Retry steps 1-5.

PRODUCT INFORMATION

11.1 Specifications

Speaker Driver and Power Specifications	
soundbar	54˝ chassis containing: • 8 x 2.75˝ Punktkilde Full Range Drivers • (Left, Right, Inner and Outer Surround Channels) • 2 x 3˝ Punktkilde Full Range Drivers (Center Channel) • 4 x 3˝ Punktkilde Full Range Up-firing Drivers • 5 x 1˝ Punktkilde Tweeters Peak Power: 1000W
Wireless Subwoofers	1 x 10˝ Punktkilde Subwoofer (per cabinet) Peak Power: 450W per Subwoofer
Wireless Surround Speakers	2 x 3˝ Punktkilde Full Range Drivers each 2 x 1˝ Punktkilde Tweeters each 1 x 3˝ Punktkilde Up-firing Full Range drivers each Peak Power: 200W per Surround Speaker
Total Channels	11.2.6
Total Peak Power	2300W
Total Loudness	Up to 125dB
Overall Frequency Response	20Hz - 20kHz

Inputs and Outputs	
HDMI Connectivity	2 x HDMI 2.1 Inputs 1 x HDMI Out (eARC to TV) (HDCP 2.3) Video Passthrough: Up to 4K120Hz with VRR / ALLM / FRL, or 8K60 (Up to 4:2:0,10 bit color) HDR and Dolby Vision passthrough support
Other Inputs	1 × Optical Input 1 × Aux Audio Input 1 × USB (For Firmware Upgrade Only) Bluetooth 5.3 and AirPlay 2 Wireless Streaming

11.1 Specifications

Core Features	
Codecs and Formats Supported	Dolby Atmos Supported Codecs: Dolby TrueHD, Dolby MAT, Dolby Digital Plus, Dolby Digital
	DTS:X Supported Codecs: DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS Digital Surround
	LPCM 7.1, LPCM 5.1, PCM
Audio Enhancements	EQ Modes: Movie, Music, Game, News, Sports, No EQ
	Night Mode
	Adaptive Height Dispersion (AHD) Technology
	Channel Volume Control (Via Remote and Mobile Application)
	Room Size Calibration
	Surround Modes: Dolby Surround, DTS Neural:X, DTS Direct, Studio, Native, All Channel Stereo, Stereo Only

Miscellaneous	
Display Functionality	8 Character Segment Display (on soundbar)
Remote Control	Backlit Key IR remote with backlit LED keys Smartphone remote application supported
Power Input	100 - 240V, 50 / 60Hz

Dimensions and Weight	Dimensions (H X W X D)	Weight
Soundbar	4.5˝ x 53.9˝ x 9.0˝ (longest side)	33.3 lbs
Subwoofer	22.5˝ x 12.6˝ x 12.6˝	33.1 lbs (each)
Surround Speakers	9.9˝ x 7.9˝ x 7.8˝ (tallest side)	8.2 lbs (each)

11.1 Specifications

Shockwafe Wireless is compatible with the following audio codecs and formats:

HDMI inputs/ARC/eARC

Audio Signal Types	Audio Signal Formats	Compatible Inputs
2 Ch Linear PCM	2 Ch. 32-192kHz. 16 / 24 / 32 bit	TV HDMI ARC / eARC. HDMI Inputs
Multi-Ch Linear PCM	7.1 Ch, 32-192 kHz. 16 / 24 / 32 bit	TV HDMI eARC. HDMI Inputs
Bitstream (SD) - 5.1ch	Dolby Digital, DTS, AAC	TV HDMI ARC / eARC. HDMI Inputs
Bitstream (HD Audio)	Dolby Digital Plus, Dolby Atmos Digital Plus	TV HDMI eARC. HDMI Inputs
Bitstream (HD Audio)	Dolby TrueHD, Dolby Atmos TrueHD, Dolby Atmos MAT, DTS-HD High Resolution Audio, DTS-HD Master Audio, DTS:X	TV HDMI eARC. HDMI Inputs

Digital Audio Signal (Optical)
Recommended for: CD / DVD playback and devices without HDMI output.

Audio Signal Types	Audio Signal Formats
2 Ch Linear PCM, AAC	2 Ch, 32-192 kHz, 16 / 24 / 32 bit
Bitstream (5.1ch)	Dolby Digital, DTS

Aux In: 2 Ch Linear PCM, 32 – 192kHz, 16/24/32-bit

- 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 bitstream audio signals . Refer to documentation supplied with the device for details.

11.2 Glossary

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

Adaptive Height Dispersion (AHD)
Nakamichi's exclusive height processing technology that unlocks the maximum potential of height effects for different content types and listening preferences.

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 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 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 MAT
Dolby MAT is used by live TV broadcasts, certain streaming devices and game consoles for on-the-fly encoding, and can include Dolby Atmos Metadata.

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 upmixing content into 11.2.6 channels.

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 home theater systems. It competes with DTS-HD Master Audio, a lossless codec from DTS.

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.

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.

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

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 96kHz / 24-bit audio (up to six channels of 192kHz / 24-bit audio) simultaneously.

DTS NEURAL:X
DTS 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. DTS Neural:X will upmix DTS content into 11.2.6 channels to match the capabilities of Shockwafe Wireless.

*Note: When Neural:X is selected, channel based DTS content with a sampling rate above 48kHz will be processed natively without further upmixing. This is an inherent limitation of the upmixing technology.

DTS:X Master Audio
DTS:X Master Audio offers 24-bit lossless and discrete immersive audio for Blu-ray, Ultra HD Blu-ray and other digital formats. It supports both high-channel count and multi-dimensional object-based audio coding, while maintaining full backward compatibility with legacy DTS-HD and DTS Digital Surround devices, all within a single bitstream.

DTS:X object-based audio
DTS:X uses a 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

Dynamic Range Compression (DRC)
DRC is an audio signal processing operation that reduces the volume of loud sounds, while amplifying quiet sounds. This reduces (or compresses) an audio signal's dynamic range. DRC is also known as volume normalization.

Energy Saving Mode
Automatically switches off the system after a period of inactivity to promote eco-friendliness.

11.2 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 ARC / eARC
HDMI Audio Return Channel (ARC) / enhanced Audio Return Channel (eARC) offers two-way communication between Shockwafe Wireless and your TV over a single HDMI connection. Essentially, the HDMI ARC port lets you use HDMI as both an input and an audio output.

HDMI–CEC CONTROL
HDMI-CEC Control allows you to operate external devices via HDMI. If you connect a TV that supports HDMI CEC to Shockwafe Wireless, you can control the soundbar system with your TV's remote control. Functions supported include:
• 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).

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.

LPCM
Linear Pulse-Code Modulation is a method of digitally encoding uncompressed (lossless) audio information, generally used for transmitting uncompressed 5.1 or 7.1 channel audio.

PCM (Pulse Code Modulation)
Pulse-Code Modulation is a digital representation of uncompressed (lossless) analog audio signals.

Room Calibration
Room Calibration optimizes the level and timing of different sonic frequency ranges to your room placement. Easy sound setup is recommended for basic users. Advanced room calibration is also available for prosumers.

Subwoofer Crossover Frequency
Adjusting the subwoofer crossover directs bass frequencies to the subwoofer, blending seamlessly with main speakers and optimizing sound balance.

Universal Remote
A universal remote can be programmed to operate one or more types of consumer electronics from various brands.

11.3 Legal and Compliance

Model No.: Shockwafe Wireless

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

FCC Compliance Statement:
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.

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

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 20 cm 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.

Class B FCC Statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
• Reorienting or relocating the receiving antenna.
• Increasing the separation between the equipment and receiver.
• Connecting the equipment to an outlet that is on a different circuit than the radio or TV.
• Consulting the dealer or an experienced radio/TV technician for help.

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.

French:
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.

11.3 Legal and Compliance

Dolby ATMOS / COMPATIBLE WITH **Dolby Vision**	Dolby, Dolby Vision, Dolby Atmos, and the double-D symbol are registered trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories. Confidential unpublished works. Copyright © 2012–2024 Dolby Laboratories. All rights reserved.
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Bluetooth®	The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Nakamichi LLC is under license. Other trademarks and trade names are those of their respective owners.
Works with Apple AirPlay	Use of the Works with Apple AirPlay badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards. Apple®, AirPlay®, iPad®, iPhone®, Mac® are trademarks of Apple Inc., registered in the U.S. and other countries and regions. To use AirPlay with Shockwafe Wireless 11.2.6ch Soundbar System, the latest version of iOS, iPadOS, or MacOS is recommended.

Use Restriction Attention in European Union, operation is limited to indoor use.

Wi-Fi / Bluetooth Module:
1.   Bluetooth: 2402-2480MHz, 9.431dBm;
2.   Wi-Fi 2.4G: 2412-2472MHz, 18.585dBm;
3.   Wi-Fi 5.2G: 5150-5250MHz, 20.868dBm;
4.   Wi-Fi 5.8G: 5725-5875MHz, 12.480dBm;

Wireless Module:
1.   Wireless 5.8G: 5725-5875MHz, 13.740dBm

SECTION 12

SUPPORT

12.1 Warranty Information

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 by product owner, 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 Shockwafe Wireless. 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
5. Nakamichi Online Store (nakamichi-usa.com)

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.

Nakamichi Concierge

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

Visit our website at **support.nakamichi-usa.com**
Email us at **support@nakamichi-usa.com**
Phone Support: **+1 (415) 888 9626** (Weekdays 10am - 6:45pm PST; Saturday 10am - 4:45pm PST)

12.2 Sound Optimization Tips

Room acoustics greatly affect your overall experience. Try these tips to maximize subwoofer performance.

Symptom	Remedy

Bass too overpowering	**Adjust Volume**
	1. Lower the bass level: On the remote, toggle the bass button down.
	2. Change EQ to Movie 2/3, Music 2/3, News or DSP OFF.
	
	Adjust Bass Tone
	1. Lower subwoofer crossover frequency
	    A. Press ✿ SETUP button repeatedly until ˝CROSSOVR˝ is displayed by the soundbar.
	    B. Press ENTER. Use ◀/▶ to select a lower crossover setting (Options: 130, 150, 180Hz).
	    C. Press ENTER to apply the selected setting.
	2. Lower the volume level of Low-Frequency Effects (LFE)
	    A. Press ✿ SETUP repeatedly until ˝LOW FREQ EFFECTS˝ is displayed on screen. Press ENTER.
	    B. Lower the level by 1-3 dB, and press ENTER.
	    C. Play some content and adjust to preference.
	
	Optimize Room Placement
	Loop familiar content with a consistent bass line. Try shifting your subwoofers away from the corners of your room one inch at a time and observe if bass quality improves.
	
	Tip: Use a combination of these settings to suit your listening preferences.

Insufficient bass	**Use Corner Placement** 1. Place the 10˝ subwoofers in the front or rear corners to maximize bass output and minimize dead spots. **Increase Bass Volume** 1. Increase the bass level: On the remote, toggle the bass button up. 2. Change EQ to MOVIE 1. Ensure Night Mode is set to NIGHT OFF.

12.2 Sound Optimization Tips

Room acoustics greatly affect your overall experience. Try these tips to maximize subwoofer performance.

Symptom	Remedy

Surround channels too loud	**Change Surround Mode:**
	• Press **SURROUND** on your remote to switch to ¨Dolby Surround¨ (or ¨Neural X¨, for DTS Content only).
	• Avoid using ¨All Channel Stereo¨ when watching content with surround sound.
	
	Reduce Surround Channel Volume:
	• Press **SS−** and **SB−** on your remote.
	
	Further Reduce Surround Channel Volume:
	• Press ✿ SETUP button repeatedly until ˈLSURRˈ is displayed by the soundbar.
	  ▪ **LSURR** adjusts the volume of the left surround speaker.
	  ▪ **RSURR** adjusts the volume of the right surround speaker.
	• Press **ENTER**. Press ◀ to lower level of the selected surround speaker.
	• **(Options: L BAL or R BAL, −3 to +3)**
	• Press **ENTER** to apply the selected setting.
	• Repeat the same steps for **RSURR**. Lower the volume by the same amount.

Surround channels too soft	• Press SS+ and SB+ on your remote
	• Ensure content being played has surround sound (e.g. 5.1ch or Dolby Atmos).
	• When playing content with weak/no surround effects. press **ALL CH STEREO** on your remote. Front channels will be upmixed to the surround speakers.
	• Increase the volume of inner and outer surrounds on the soundbar
	  ▪ Press ✿ **SETUP** until ¨**INNER SUR**¨ is displayed.
	  ▪ Press **ENTER**. Increase the level of the selected surround channel.
	  ▪ Repeat these steps for ¨**OUTER SUR**¨.

12.2 Sound Optimization Tips

Room acoustics greatly affect your overall experience. Try these tips to maximize subwoofer performance.

Symptom	Remedy
Uneven/imbalanced surround speaker volume (due to placement)	**Increase the Volume of the Softer Surround Speaker** A. Press ✿ **SETUP** button repeatedly until 'RSURR' or 'LSURR' is displayed by the soundbar. **a.** **"LSURR"** adjusts the volume of the left surround speaker. **b.** **"RSURR"** adjusts the volume of the right surround speaker. B. Press **ENTER**. Press ◄ /► to adjust the volume balance of the selected surround speaker **(Options: L BAL 00 or R BAL 00. Adjustment range: −3 to +3)**. C. Press **ENTER** to apply the selected setting. **Additional Tips:** A. You can reduce the volume of the louder surround speaker with the above steps. B. Calibrate the Shockwafe Wireless for your speaker placement. See Section 2.1, pg 12. C. For optimal spatial and surround performance, we recommend placing the surround speakers equidistant from your listening position. See Section 2.2, pg 13.
Height channels too soft	**Adjust AHD setting** Press **AHD** on your remote. Set AHD to **"ULTRA"**. **Adjust Height Channel Volume** Press **FH+, MH+** or **RH+** on your remote to increase height channel volume. • Ensure content being played has surround sound (e.g. 5.1ch or Dolby Atmos). • When playing content with weak / no height effects, press "**All Channel Stereo**" on your remote. Front channels will be upmixed to the surround speakers.

12.3 Troubleshooting

1. HDMI eARC / ARC – No sound or video / System switching sources erratically

A. Restoring Factory Settings ("Soft Reset")

Method 1: Via the Soundbar
i.   Power on Shockwafe Wireless.
ii.   Tap and hold ⏻ on the soundbar for 5 seconds, or until **"SYSTEM RESET"** appears on the soundbar display.
iii. The system will reset itself and apply factory settings, then display **"REBOOT"**.
iv.   The soundbar will power off and restart automatically after a few seconds, showing ¨SW ON¨, before going to **"TV eARC / ARC"** input source.

Method 2: Via Soundbar Settings
i.   Power on Shockwafe Wireless.
ii.   Press ✿ **SETUP** button repeatedly until ¨SYSTEM RESET¨ is displayed by the soundbar.
iii. Press **ENTER**. Use ◀/ ▶ to select either:
    a. **REFRESH**: Reset all settings without erasing favorite settings saved to memory and custom room calibration values.
    b. **RESET Y**: Reset all settings. Any favorite settings or custom room calibration distances will be deleted.
iv.   Press **ENTER**. Shockwafe Wireless will reboot with default settings applied.

If your TV was connected to another sound system via HDMI previously, perform a hard reset by following these steps to establish a new HDMI handshake.

B. Soundbar & TV Hard Reset + HDMI Connection Refresh
i.   While all source devices are on, disconnect all HDMI cables connected to the TV and soundbar (including the cable that links the TV to the soundbar).
ii.   Power OFF TV, Shockwafe Wireless and all source devices.
iii. Unplug all devices from the AC outlets.
iv.   Wait for 5 minutes before plugging the TV, soundbar and source devices back to the AC outlets.
v.   Power ON soundbar, TV and all source devices.
vi.   While they are on, connect the TV and Shockwafe Wireless via HDMI eARC/ARC.

Once the connection is established, connect other source devices one at a time. Then, use the Master Configurator (scan QR code on the right) to optimize audio settings.

2. No sound from Shockwafe Wireless

A.   Ensure the soundbar's volume is set to an audible level.
B.   Press ⤹ on the soundbar. Test tones will play from each channel. If sound is output from all speakers, the issue may be with the device connected to Shockwafe Wireless.
C.   Check the volume of your external device.
D.   Check all cable connections connecting your device to Shockwafe Wireless.
E.   Try a soft reset, followed by a hard reset + HDMI Connection Refresh. (See above).

12.3 Troubleshooting

3. TV is not sending sound from streaming apps / devices connected to Shockwafe Wireless

A. Ensure the soundbar is connected to the TV via the designated HDMI eARC/ARC ports on both devices. Use the HDMI 2.1 cable included in box.

B. HDMI eARC and HDMI-CEC may need to be enabled from your TV settings. Check your TV documentation or visit the website provided to the right to view recommended audio settings for your TV.

C. Check your TV settings. Ensure the TV is set to output audio through HDMI ARC/eARC.

For brand-specific TV audio settings, scan the QR code or visit:
bit.ly/sw-wireless-best-sound

4. Intermittent audio cut out or no sound

A. Perform a soft reset with the instructions in question 1A above.

B. 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.

C. While the source device is on, connect it to the soundbar or TV.

D. Get the best audio performance using recommended audio settings (bit.ly/sw-wireless-audio-settings).

5. No sound from wireless subwoofers or surround speakers

A. **Ensure power is connected**
    i. Check that the power cord is inserted firmly into the speaker / adapter power sockets and AC outlet, and that power is being sent to all speakers.
    ii. Ensure that the subwoofer's physical power switch is toggled to ̈ON ̈. Then, power on the soundbar.

B. **Check wireless connection**
    i. With the soundbar powered on, check if:
        a. The LED indicator on the rear of the subwoofer is lit.
        b. The LED indicator at the front of the surround speaker stays lit when the volume is adjusted.
    ii. If the LED indicator on any wireless speaker is flashing or off, follow the pairing procedure in Section 10.2 or 10.3, pg 58 to 59.
    iii. If a wireless speaker still fails to power on or connect, disconnect power to the affected component for 5 minutes. Restart the soundbar, then retry this procedure.

C. **Soundcheck**

If all wireless speakers appear to be connected, press 🔊 on the top of the soundbar. If sound is output from all speakers, the wireless connection between speakers is functioning correctly.

If the sound is intermittent, see steps in the next section.

12.3 Troubleshooting

6. Subwoofer or surround speakers sound abnormalities

Cut out / crackling / popping / distortion: When there is a 5.8Ghz wireless device in close range to Shockwafe Wireless that is using the same frequency (e.g. home Wi-Fi router), the soundbar's wireless connection to the subwoofer and surround speakers may be affected. This can be resolved by adjusting the following settings:

A. Remove any obstructions or potential sources of interference.
i.   Remove any obstacles between the soundbar and the affected wireless component.
ii.   Other devices sending radio frequency signals in proximity may interrupt the connection. Where possible, keep your speakers away from such devices.
iii. Bring the subwoofers and surround speakers closer to the soundbar. See Section 2.1 - 2.2, pg 12 to 13 for recommended speaker placement.

B. Change system's wireless channel
i.   Press ✿ **SETUP** button. ¨WIRELESS CH¨ will be displayed.
ii.   Press **ENTER**. Then, use ◀ / ▶ to change the wireless channel.
iii. Press **ENTER** to apply the selected setting.

Selection	Wireless Frequency (GHz)	Frequencies Occupied[3]
WL-CH AUTO(Default)	5.2 and 5.8 Ghz	Channels 32 - 50, Channels 149 - 163
WL-CH 1	5.2 GHz	Channels 32 - 50
WL-CH 2	5.8 Ghz	Channels 149 - 163

Notes:
i.   The default channel 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.
ii.   Changing the radio frequency channel and strength may affect the performance of other near wireless devices (e.g. wireless LAN) using the same frequency bandwidth.
iii. The system's wireless transmission chip automatically analyzes and uses a small range of the frequency channels mentioned for the best wireless performance.

C. Adjusting your home's wireless router
Visit our support hub to view recommended settings for your Wi-Fi router that will optimize the performance of Shockwafe Wireless. Scan the QR code on the right.

Optimize your home Wi-Fi for wireless surround systems.

D. Change soundbar wireless strength
1.   Press ✿ **SETUP** button repeatedly until "WIRELESS STRENGTH" is displayed.
2.   Press **ENTER**. Then, use ◀ / ▶ to increase the wireless strength to **WL-STR 3**.
3.   Press **ENTER** to apply the selected setting.

12.3 Troubleshooting

7. No surround sound or surround sound volume is lower than expected

A. Ensure your device is sending surround sound to Shockwafe Wireless. Only devices connected via HDMI or optical can send surround sound to Shockwafe Wireless. Bluetooth and AirPlay 2 transmission are limited to stereo sound output.
B. When using Bluetooth, AirPlay 2 or Aux-In or playing stereo content, press **ALL CHANNEL STEREO** to send stereo sound to the surround speakers.
C. Press **SS+/SB+** on your remote to increase the volume of surround effects.

8. Increase the Bass Output

A. Verify the power connections of both subwoofer units. Power on the system and ensure the LED indicators on both subwoofers are lit with a solid blue light. If any subwoofer displays a continuously flashing blue LED, perform the subwoofer pairing procedure (Section 10.2, pg 58).
B. Experiment with subwoofer placement (See recommendations in Section 2.1, pg 12.
C. If the bass output from any subwoofer is intermittently cutting out, adjust the wireless frequency channel or strength settings (Section 7.5, pg 48).
D. Move the Bass button up on your remote to increase bass output.
E. Use MOVIE 1 EQ for maximum bass response
F. Certain content may be recorded with weak bass effects. Try playing content that is encoded with 5.1 channels or above.

9. Remote does not work

A. Replace the batteries with new ones.
B. When using the remote, point the remote directly at the soundbar for best response.

10. My Device cannot connect to SHOCKWAFE WIRELESS via Bluetooth

A. Shockwafe Wireless can only be discovered by your device when it is set to BT Mode. Press ✦ on your remote to switch to it.
B. If the soundbar's LED display shows ¨BT¨ without blinking, another device is currently connected to the system. Press and hold ✦ until ¨BT¨ starts flashing. Shockwafe Wireless is now ready to pair with another device.
C. If your device is still unable to connect to Shockwafe Wireless, instruct the source device to forget the existing Bluetooth connection. Restart the device. Then, try pairing it to the system again.

12.3 Troubleshooting

11. Sound drops out when connected via Bluetooth

A.   Some devices can cause radio interference if they are located too close to the soundbar. e.g. microwaves, wireless routers, telephones, computer peripherals etc.
B.   When your Bluetooth-connected device moves too far away from the soundbar, it can result in audio dropouts.
C.   If the soundbar is located near metal furniture or has obstructions between it and your device, the sound may drop out. Check your installation environment.

12. The firmware upgrade could not be completed

A.   Give the soundbar system at least 45 minutes to complete the firmware upgrade. If the firmware upgrade fails, the soundbar will automatically restart and attempt to retry the process. Do not interrupt the process.
B.   If the soundbar cannot apply a firmware upgrade via USB drive:
    i.   Your USB drive is either not compatible or contains a firmware file that is incomplete. Try using a different USB drive (USB 2.0 / 3.0 with capacity of less than 32GB, formatted in FAT / FAT32).
    ii.   Download a fresh copy of the firmware from our website (support.nakamichi-usa.com/shockwafe-wireless/firmware-upgrade). Delete any previously downloaded firmware file from your USB drive and replace with this copy.
    iii. Turn off the soundbar, then unplug the AC power supply from the soundbar.
    iv.   Insert the replacement USB drive, reconnect the power supply, and turn on the soundbar.
    v.   Upgrade should resume.
    vi.   Once firmware upgrade is complete, reset the system (See Section 9.3, pg 54).

13. I cannot connect the soundbar to my Wi-Fi Network

A.   Ensure the correct network has been selected, then enter the password. The password is case-sensitive.
B.   Shockwafe Wireless cannot connect to enterprise Wi-Fi networks or networks that require secondary login through a web page.
C.   Verify that your mobile device is connected to the same wireless network you want to connect Shockwafe Wireless to.
D.   If your network information has changed (e.g. network name or password), reset the Wi-Fi connection, then reconnect. See Section 3.8, pg 22.
E.   If your router utilizes 2.4 Ghz and 5 Ghz bands, ensure the soundbar and your device are attempting to connect to the same band.
F.   Reset the router and soundbar. Reinstall the mobile application, then restart the setup process.

12.3 Troubleshooting

14. I cannot connect my Apple device to the soundbar via AirPlay 2

A.   Ensure that Shockwafe Wireless is set to an input source other than Bluetooth.

B.   Verify that your soundbar and Apple device are in an area with strong Wi-Fi signal strength.

C.   Check that no other Apple devices are connected to the soundbar via AirPlay 2. Then, try again.

D.   Restart the soundbar and Wi-Fi router. Then, try again.

E.   Check if the soundbar has previously been connected to a network before by pressing the ✿ **SETUP** button and looking for an option called "WIFI RESET".

        i.   Press **ENTER**. Use ◀ / ▶ to select "RESET Y". Then, press **ENTER**.

        ii.   Try connecting your Apple device to the soundbar through AirPlay again.

15. No audio from a connected AirPlay 2 device, even though my device is connected to Shockwafe Wireless.

A.   Ensure the soundbar volume is not too low or muted.

B.   Check that the music playback is not paused.

C.   Restart the soundbar and try again.

D.   Reset the soundbar's wireless connection (see Section 3.8, pg 22). Then, reconnect your Apple device via AirPlay 2.

E.   Restart your Apple device and attempt to reconnect to Shockwafe Wireless.

F.   Confirm that both your Apple device and Shockwafe Wireless are updated to the latest software or firmware versions.

12.4 Share Your Experience!

Need More Assistance?

The Nakamichi Concierge is here to optimize the performance of your Shockwafe Wireless.

Should you need any assistance, please contact us.

📞 **: +1 (415) 888 9626**
✉ **: support@nakamichi-usa.com**

Operating Hours
- 10AM to 6:45PM PST Weekdays
- 10AM to 4:45PM PST Saturday

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If you've been enjoying Shockwafe Wireless, help others make an informed decision by leaving a review!

Your thoughts will go a long way in supporting our mission of redefining audio expectations.

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