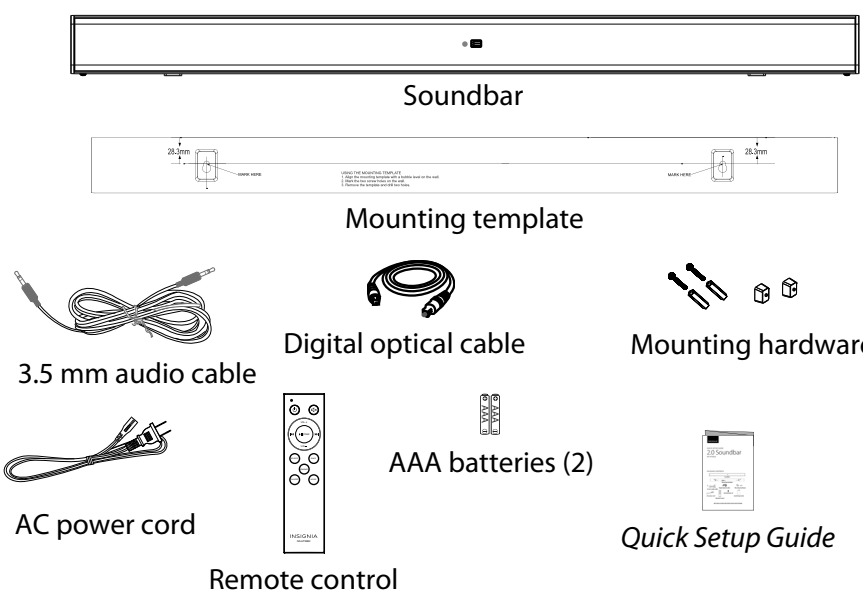


QUICK SETUP GUIDE

2.0 Soundbar

NS-HTSB22

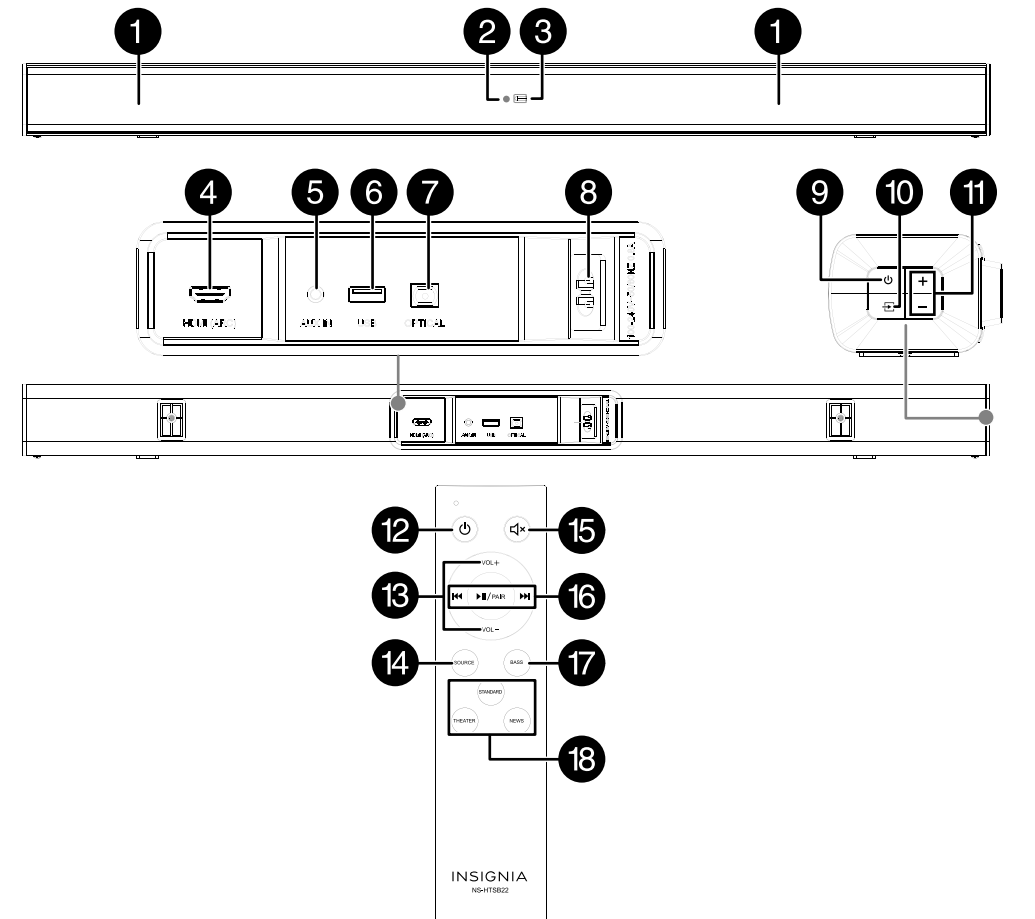
PACKAGE CONTENTS



Before using your new product, please read these instructions to prevent any damage.

FEATURES

- Versatile options let you connect to a TV (with HDMI) and an additional audio source (with optical digital audio, 3.5 mm AUX, USB, or Bluetooth)
- HDMI ARC and CEC technology let you control your soundbar with your TV remote (HDMI cable not included. HDMI PCM Audio Mode only)
- Bluetooth device memory automatically pairs to your last connected device
- 3 sound modes (Standard, Theater, and News) provide an optimal audio experience
- IR remote learning functionality means your soundbar can “learn” to respond to another remote control (not all remotes are compatible), such as your TV remote
- Remote control (batteries included) lets you wirelessly control your sound
- 6 ft (1.8 m) optical cable and 6 ft (1.8 m) 3.5 mm audio cable let you connect to a variety of audio devices
- Wall mountable design (hardware included) helps save space
- USB support for MP3 and WAV playback



#	DESCRIPTION	FUNCTION
SOUNDBAR		
1	Speaker	Left and right speakers
2	Status indicators	Different color LEDs indicate: Red - Standby mode Blue - Bluetooth mode (blinks while pairing) Orange - AUX mode Green - Digital optical mode Purple - USB mode White - ARC mode Turquoise - Bass mode (blinking) Green/Blue/Red (blinking) - DSP (Digital Signal Processing) mode
3	Remote control sensor	Detects signals from the remote control.
4	HDMI (ARC) jack	Connect an HDMI Cable (not included) to this jack on an ARC-enabled sound system. Set sound output from source to PCM format.
5	AUX IN jack	Connect a 3.5 mm audio cable to this jack.
6	USB port	Connect a USB source device to play WAV files.
7	OPTICAL jack	Connect a digital optical cable to a TV or audio device to this jack and the OPTICAL OUT jack on a TV or audio source device. Make sure that the sound output from the source is set to the PCM format.
8	AC power cord	Connect the AC power cord to this jack to power the soundbar.
9	⏻ (Power) button	Press to turn on your soundbar, press again to return to standby mode.
10	⏮ (sound source selector)	Press to cycle through the available sound sources.
11	+ / - Buttons	Press to increase or decrease your soundbar's volume.
REMOTE CONTROL		
12	⏻ Power	Press to turn on your soundbar. Press again to put your soundbar into standby mode.
13	+ / - buttons	Press to increase or decrease your soundbar's volume.
14	SOURCE	Press repeatedly to cycle through the available sound sources.
15	🔇 (Mute)	Press to mute the sound from your soundbar. Press again to restore the sound.
16	Bluetooth/USB buttons	When a Bluetooth or USB source is selected, press to control playback with the following buttons: ⏮ Previous / ⏪ Play / Pause / ⏩ Next PAIR: press and hold for three seconds to disconnect Bluetooth.
17	Bass button	Press to turn on the bass frequency enhancement, then use + and - buttons to adjust the bass volume level within 10 seconds. The status indicator on your soundbar blinks turquoise when activated.
18	Sound mode buttons	Press to select the sound mode. The status indicator on your soundbar blinks three times in sequence green > blue > red. STANDARD - general music or TV shows listening. THEATER - optimize movie sound for a theater setting. NEWS - optimize spoken voice or dialog for TV news and more.

1

CONNECTING YOUR SOUNDBAR

Look at the back of your sound source device, such as a TV, DVD/Blu-ray player, or cable box, to identify your audio OUT jacks.

Choose one connection option below that fits your audio source. You can connect several devices and switch the sound source as required.

Note: Turn off all devices while you are making connections.

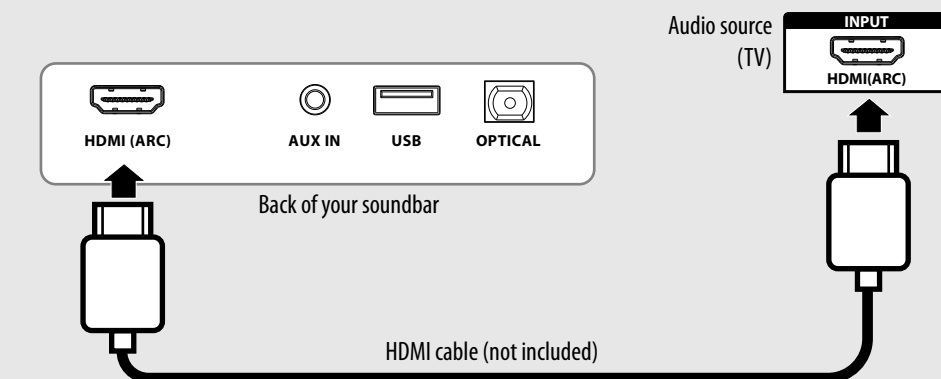
- PICK ONE -

HDMI connection (BEST)

- 1 Connect one end of an HDMI cable (not included) to the **HDMI ARC** jack on your soundbar.
- 2 Connect the other end of the cable into the HDMI ARC jack on your TV.
- 3 Make sure that your TV's output settings are correct:
 - a. Turn on your TV's CEC and ARC audio control functions (typically found in system or HDMI settings).
 - b. Change your TV's audio output to the PCM format (typically found in audio settings).

See the documentation that came with your TV or check its service support for more information.

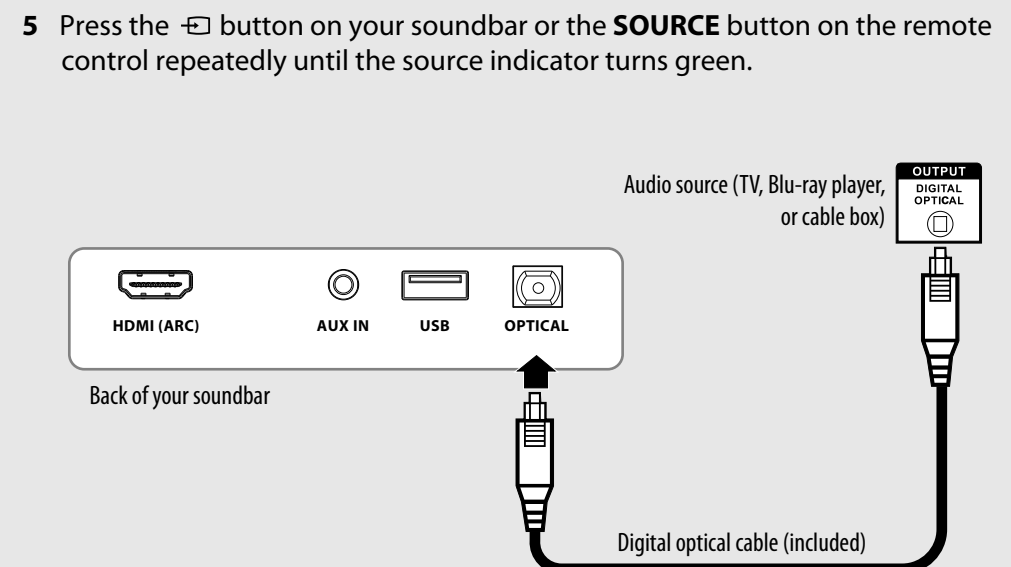
- 4 Press the ⏮ button on your soundbar or the **SOURCE** button on the remote control repeatedly until the source indicator turns white.

Note: HDMI ARC and CEC technology let you control your soundbar with your TV remote.

- OR -

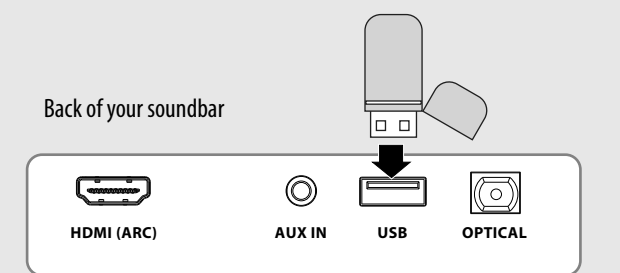
Optical connection (BETTER)

- 1 Remove the caps of the both ends of the optical cable.
- 2 Connect one end of the included digital optical cable to the **OPTICAL** jack on your soundbar.
- 3 Connect the other end into the Digital Optical Output jack on your source device.
- 4 Change the device's audio output to the PCM format (typically found in audio settings). See the documentation that came with your audio source device for more information.
- 5 Press the ⏮ button on your soundbar or the **SOURCE** button on the remote control repeatedly until the source indicator turns green.



USB connection

- 1 Plug a USB thumbdrive (with MP3 or WAV files) into the USB port on the back of your soundbar.
- 2 Plug in your soundbar, then turn it on.
- 3 Press the ⏮ button on your soundbar or the **SOURCE** button on the remote control repeatedly until the source indicator turns purple.
- 4 Control USB playback by pressing the ⏪ (play / pause) **PAIR**, ⏮ (previous), and ⏩ (next) buttons on the remote control.

Note: If playback doesn't begin immediately, press the ⏪ (play/pause)/**PAIR** button on the remote control.

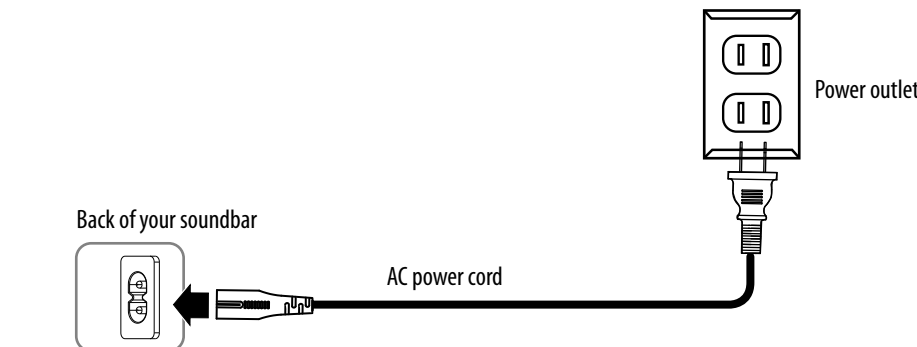
AUDIO QUALITY	JACK TYPE (on source device)	CABLE
BEST		HDMI cable (not included)
BETTER		Digital optical cable (included)
GOOD		3.5 mm audio cable (included)

2

CONNECTING THE AC POWER

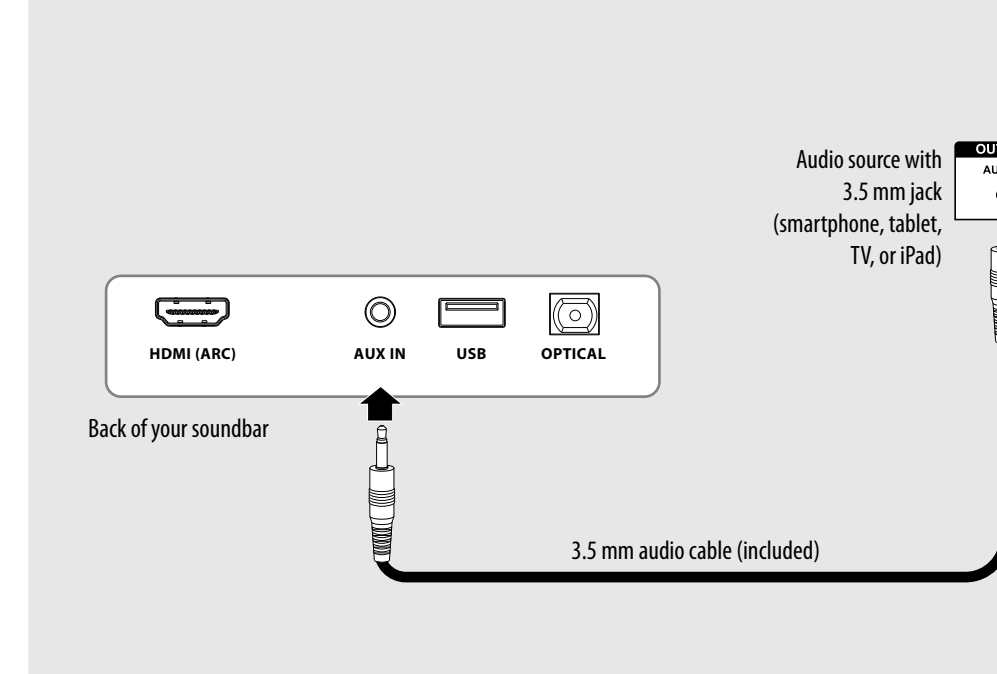
IMPORTANT: Plug in the AC power cord only after all other connections have been made.**CAUTION:** Make sure that the electrical outlet matches the input requirements of 100-240 V, 50/60 Hz before connecting.

- Connect one end of the included, detachable AC power cord into the DC IN on your soundbar, then plug the AC power cord into a power outlet or surge protector.



3.5 mm Aux connection (GOOD)

- 1 Connect one end of the included 3.5 mm audio cable into the **AUX IN** jack on your soundbar, then connect the other end of the AUX cable to the headphone or AUX Output jack on your audio source device.
- 2 Press the ⏮ button on your soundbar or the **SOURCE** button on the remote control repeatedly until the source indicator turns orange.



CONNECTING YOUR SOUNDBAR USING BLUETOOTH (OPTIONAL)

Pairing your devices

- 1 Turn on your soundbar.
- 2 Place your Bluetooth device within 30 ft. (10 m) of your soundbar.
- 3 Press the  button on your soundbar or the **SOURCE** button on the remote control repeatedly until the source indicator blinks blue.
- 4 Navigate to your device's Bluetooth settings, turn on Bluetooth, then search for available devices. See the documentation that came with your audio source device for more information on pairing.
- 5 On your Bluetooth device, select **NS-HTSB22** from the device list. Repeat steps 1-4 if **NS-HTSB22** is not displayed.
- 6 If a PIN code is requested, enter **0000**.
- 7 When pairing is completed the LED lights solid blue.

Notes:

- Some devices, such as an iPhone, connect immediately after pairing so the Bluetooth indicator on your soundbar remains on. Other devices, such as notebook computers, may ask you if you wish to connect. In this instance, the Bluetooth indicator continues to blink until a connection is established.
- When you turn on your soundbar, it automatically connects to the last connected device if that device is in range. To connect to a different paired device, turn off Bluetooth or unpair from the currently paired device and manually connect to the other paired device.
- When a call is received while playing music through a phone, the music stops automatically.
- When the call ends, depending on the setting of your phone, the current track may resume playback.

Disconnecting your devices

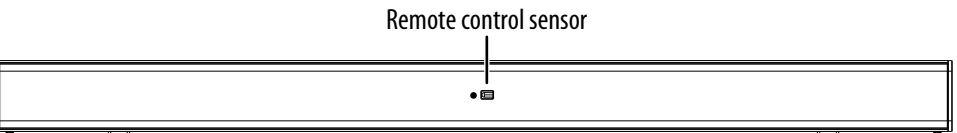
Turn off the Bluetooth function on your device.

Note: For more information about using Bluetooth, see the documentation for your Bluetooth devices.

3 USING YOUR SOUNDBAR

Using the remote control

- 1 Install two AAA batteries into the battery compartment.
- 2 Point the remote control directly at the remote control sensor on the front of your soundbar. You must be within approximately 50 ft. (15 m) of your soundbar.



Listening to your soundbar

- 1 Press the  button on your soundbar or remote control. The power indicator turns off and the source indicator lights.
- 2 Turn on the audio source device connected to your soundbar and begin playback.
- 3 Press the  button on your soundbar repeatedly to select the audio source or press the selected source button on the remote control until you hear sound from your soundbar.

Note: If you use the **HDMI (ARC)** or **OPTICAL** jack, you must change your device's audio output setting to **PCM** format. Refer to the manual that came with your audio source device for additional information.

- 4 Adjust the volume on your soundbar or the audio source device to a comfortable level.
WARNING: Continuous use of high-volume sound may permanently damage your hearing.
- 5 Press the  button to turn off your soundbar. The power indicator lights red.

IR remote learning function (optional)

Your soundbar can learn 12 button codes from most remote controls, so you can easily control the sound with both the soundbar remote and the TV remote. You can also replace the soundbar remote with another remote.

Note:

If the Status indicator blinks orange, your soundbar can't learn the button code. Try another button or another remote control.

Programming using the Manual Sequence Learning Mode:

- 1 Point your soundbar's remote control and the remote you want to program within 4 inches (10 cm) of the remote control sensor on your soundbar.
- 2 Press and hold the soundbar's  button (on the right side button panel, not on the remote) from standby for five seconds to turn on the Manual Sequence Learning mode. The Status indicator blinks red rapidly and the soundbar starts to learn.

- 3 Short press the button on your soundbar's remote control that you want the other remote control to learn. The Status indicator blinks blue once.

- 4 Short press the button on the other remote control you want to teach. The Status indicator blinks green once. Repeat steps 3 and 4 to learn and match more remote buttons you want. The soundbar has learned the code and matched step 3 button function to this remote button.

Repeat steps 3 and 4 to have your other remote learn more functions. The soundbar will exit learning mode after 20 seconds, or you can press and hold the  button on the soundbar for two seconds to stop learning mode.

Programming using the Preset Sequence Learning Mode:

- 1 Point your soundbar's remote control and the remote you want to program within 4 inches (10 cm) of the the remote control sensor on your soundbar.
- 2 Press and hold your soundbar's  button (on the right side button panel, not on the remote) from standby for two seconds to turn on the Preset Sequence Learning mode. The Status indicator blinks red slowly and your soundbar starts to learn the buttons in the following sequence:
VOL -, VOL+, MUTE, BASS, POWER, THEATER, STANDARD, NEWS, SOURCE, PLAY / PAUSE, PREVIOUS, NEXT

- 3 Short press the other remote control button and the status indicator blinks blue once when your soundbar receives this button.

- 4 Short press the same button again. The status indicator blinks green once when your soundbar match one function in preset sequence to this remote button.

Repeat steps 3 and 4 to match more functions to the remote you want to program, or short press  button on the soundbar so the learning function on current button will be skipped. The soundbar will auto exit the learning mode if there is no operation for 20 seconds, or you can press and hold the  button on the soundbar for two seconds to exit the learning mode.

Deleting all learned remote codes:

Press and hold the power button for 10 seconds to clear all learned codes. The Status Indicator blinks white two times when all the learned remote codes are cleared.

4 MOUNTING YOUR SOUNDBAR

If you want to mount your soundbar below a wall-mounted flat screen TV, see our online *User Guide*. Or follow the instructions on the mounting template (included) using the mounting hardware (included).

TROUBLESHOOTING

The power doesn't come on.

- Make sure that the AC power cord is securely plugged into the power outlet and your soundbar.
- Make sure that your soundbar is turned on. It doesn't turn on automatically when you turn on your TV or other sound source.

The remote control doesn't work.

- Remove any obstacles between the remote control and the IR sensor on your soundbar.
- The remote control batteries may be exhausted. Replace them.
- Move closer to your soundbar. The remote control is only effective to approximately 50 ft. (15 m) from your soundbar and within 30° on either side.

The sound is breaking up or buzzing.

- Make sure that you are connected to an audio out jack on your sound source. The jack doesn't send audio out if it is an input jack.
- Make sure that all connections are secure and cables are not broken or damaged.
- If you're using the **HDMI (ARC)** or **OPTICAL** jack, make sure that the source device's audio source is set to the PCM format. See the documentation that came with the audio source device (such as a TV or DVD/Blu-ray player) for additional information.
- Connect to a different source device (such as a TV or DVD/Blu-ray player) to see if the buzzing still occurs. If it doesn't, this may indicate an issue with the original source device.
- Use a different connection method (for example, try **HDMI (ARC)** or **OPTICAL** jack instead of the **AUX IN** jack) between your soundbar and the source device to make sure that the jacks on both devices are still working.
- Make sure that the audio cable you're using is not damaged or broken. Try using another one.

My TV remote doesn't control my soundbar.

- Make sure that your soundbar has learned your TV remote's button codes. See IR Remote Learning Functions for instructions for setup.

There is no sound or very low sound.

- Make sure that you're connected to an audio out jack on your sound source. The jack doesn't send audio out if it is an input jack.
- Make sure that the volume level of your soundbar is set to an adequate level.
- Make sure that the volume level isn't muted. Press the  button on the remote control to restore the sound output.
- Make sure that the correct audio source is selected. Press the  button on your soundbar or the **SOURCE** button on your remote control repeatedly to switch to the correct audio source.
- Make sure that the power is on and all connections are secure.
- Make sure that the volume is turned up on your sound source.

- If you are using the **HDMI (ARC)** or **OPTICAL** jack, make sure that the source device's audio source is set to the PCM format. See the documentation that came with the audio source device (such as a TV or DVD/Blu-ray player) for additional information.
- Make sure that the audio cable you're using isn't damaged or broken. Try using another one.
- Make sure that the sound source device is outputting sound to your soundbar.

There is no sound or low volume in Bluetooth mode.

- Make sure that your Bluetooth device is turned on, Bluetooth is turned on, and NS-HTSB22 is selected.
- Turn up the volume on your soundbar.
- Turn up the volume on your Bluetooth device.
- Make sure that your Bluetooth device is not muted.
- Make sure that you're playing music from your Bluetooth device.
- Make sure that you have selected the Bluetooth source on your soundbar.
- Make sure that your Bluetooth device is not paired to a different Bluetooth speaker or other device.

My soundbar won't connect to my Bluetooth device.

- Shorten the distance between your soundbar and your Bluetooth device.
- Turn your devices off, then on. Re-pair your soundbar and your Bluetooth device.
- Make sure that your soundbar isn't paired to another Bluetooth device.
- Make sure that your soundbar and Bluetooth device are both in pairing mode.
- Make sure that you have selected NS-HTSB22 on your Bluetooth device.

My Bluetooth device keeps unpairing.

- Shorten the distance between your soundbar and your Bluetooth device.
- If the battery on your Bluetooth device is low, recharge the battery.

"NS-HTSB22" doesn't appear on my Bluetooth device.

- Shorten the distance between your soundbar and your Bluetooth device.
- Put your soundbar into pairing mode, then refresh your list of Bluetooth devices. For more information, see the documentation that came with your Bluetooth device.
- Make sure that your Bluetooth device is visible to other devices. For more information, see the documentation that came with your Bluetooth device.

The sound is lagging, I hear an echo, or there is sound from both the TV and the soundbar.

- Turn off or mute the internal speakers on your TV or adjust your TV's audio delay settings. See your TV's User Guide for instructions.

My TV does not work with soundbar through HDMI (ARC):

- Make sure that the HDMI cable (not included) is securely plugged into **HDMI (ARC)** jacks on your TV and soundbar. HDMI jacks without ARC won't work.
- Make sure that your TV's HDMI CEC and ARC audio control functions (typically found in system or HDMI settings) are on, and that audio output (typically found in audio settings) is set to the PCM format.
- Change your soundbar to another source input, then back to ARC mode.
- Set your TV's source input to HDMI ARC, then back to the previous source.
- Turn your TV off, then back on.
- If your soundbar indicators blink in different colors, set your TV's audio output (typically found in audio settings) to the PCM format.

LEGAL NOTICES

FCC Information

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.

FCC Caution

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

This equipment complies with FCC and Industry Canada radiation exposure limits set forth for an uncontrolled environment.

Industry Canada Compliance IC Statement

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

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

Conformité à Industrie Canada Déclaration d'IC

Le présent appareil est conforme aux CNR d'Industrie 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, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements de la FCC et du Canada établies pour un environnement non contrôlé.

ICES-003

This Class B digital apparatus complies with Canadian ICES-003;

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

ONE-YEAR LIMITED WARRANTY

Visit www.insigniaproducts.com for details.

CONTACT INSIGNIA:

For customer service, call 877-467-4289 (U.S. and Canada)

www.insigniaproducts.com



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