INSIGNIA™

QUICK SETUP GUIDE

5.1.2-Channel Soundbar with Subwoofer and Satellite Speakers

NS-SB512

PACKAGE CONTENTS

- 5.1.2-channel soundbar
- Quick Setup Guide
- Satellite speakers mounting template
- Satellite speaker (2)
- HDMI cable
- AAA battery (2)
- Remote
- AC power cord (for soundbar)
- Subwoofer
- AC power cord (for subwoofer and satellite speakers)(3)
- Mounting hardware (for soundbar)
- Mounting hardware (for satellite speakers)
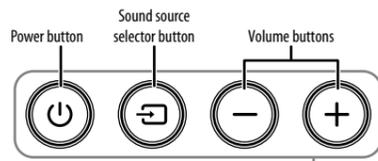- Mounting template for soundbar
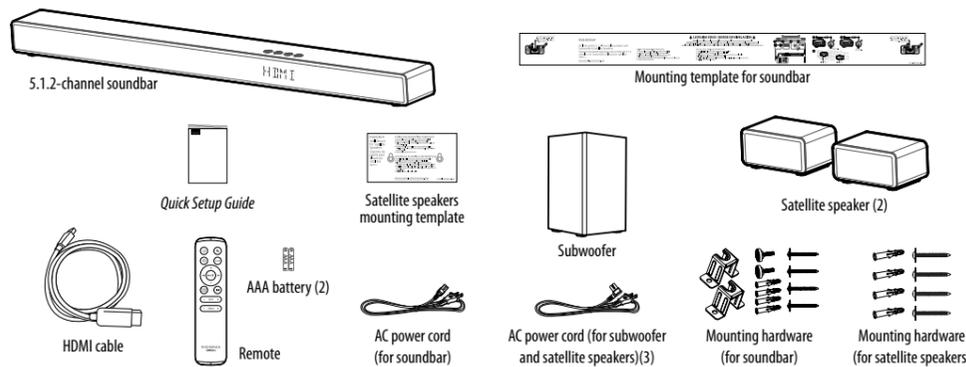
FEATURES

- **5.1.2 surround sound with Dolby Atmos** - Your soundbar system makes high-action scenes feel like they're happening all around you. It intelligently spreads sound in all directions to bring cinematic sound into your home
- **Easy setup** - Simply run power to your satellite speakers and subwoofer, and let wireless Bluetooth connections take care of the rest
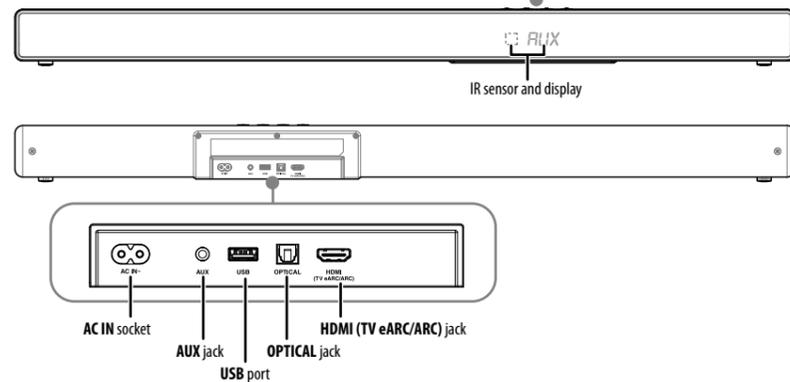
Before using your new product, please read these instructions to prevent any damage.
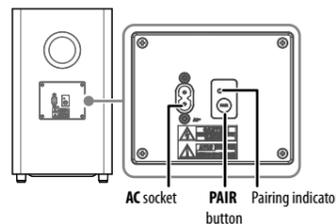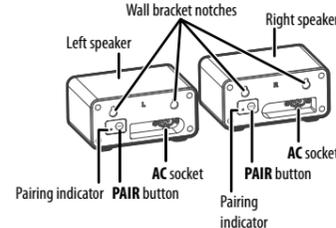
SOUNDBAR

Top

- Power button
- Sound source selector button
- Volume buttons
- IR sensor and display

Back

- AC IN socket
- AUX jack
- USB port
- OPTICAL jack
- HDMI (TV eARC/ARC) jack

SUBWOOFER

- AC socket
- PAIR button
- Pairing indicator

SATELLITE SPEAKERS

- Wall bracket notches
- Left speaker
- Right speaker
- Pairing indicator
- PAIR button
- AC socket
- PAIR button
- AC socket
- Pairing indicator

REMOTE

| #	ITEM	DESCRIPTION
1	(power) button	Press to turn your soundbar on or off.
2	(sound source selector) button	Press repeatedly to cycle through the available sound sources.
3	/ (previous/next) buttons	In Bluetooth or USB mode, press to skip to the previous or next track.
4	/ (play/pause/Bluetooth) button	In Bluetooth or USB mode, press to play or pause playback. • Short press to switch play/pause. • Press and hold three seconds to switch Bluetooth source. • Press and hold for six seconds to initiate to Bluetooth pairing.
5	SOUND MODE button	Press to select the sound mode. • MUSIC - General music or TV show listening. • MOVIE - Optimize movie sound for a theater setting. • NEWS - Optimize spoken voice or dialog for TV news and more. • NIGHT - Optimize sound for quiet settings.
	DIMMING MODE	Control the brightness of the text displayed on the front of your soundbar. Ranging from maxmum brightness, for better visibility, and decreasing in brightness till it will only turn on when being interreacted with or searching for signal. To enter Dimming mode, press and hold for three seconds to show the current brightness level of the display. • DIM 3: Maximum brightness with the display always on. • DIM 2: Medium brightness with the display always on. • DIM 1: Minimum brightness with the display always on. • DIM 0: The display turns on briefly when a command is sent to the soundbar. Press the +/− (volume) buttons on your soundbar remote to increase or decrease the display brightness level.
6	TREBLE -/+ button	Press to adjust the treble level of your soundbar.
7	(mute) button	Press to mute the sound from your soundbar. Press again to restore the sound.
8	SURR (surround sound) button	Short-press to display the current surround level, then use the +/− (volume) buttons to adjust the level.
9	+/− (volume) buttons	Press to increase or decrease your soundbar's volume.
10	(Dolby Atmos) button	Short-press to display the current Dolby effect level (LOW/MED/HIGH), then use the +/− (volume) buttons to adjust the level. Adjustment only works with Dolby format audio. Non-Dolby format audio displays NA when pressed. Press and hold for eight seconds to turn on/off the Auto Wake function. • On: The display shows AUTOWAKE ON. • Off: The display shows AUTOWAKE OFF.
11	BASS -/+ button	Press to adjust the bass volume level of your soundbar.

CONNECTING THE AC POWER CORDS

IMPORTANT: Before you connect your soundbar to an audio source, you need to connect it to the provided power cable.

⚠ **CAUTION:** Make sure that the electrical outlet matches the input requirements of 100-240V AC at 50/60Hz before connecting.

- Connect an AC power cord (included) from your soundbar's **AC IN** socket to a power outlet or surge protector.
- Connect an AC power cord (included) from your subwoofer's **AC** socket to a power outlet or surge protector.
- Connect an AC power cord (included) from your satellite speakers' **AC** socket to a power outlet or surge protector.
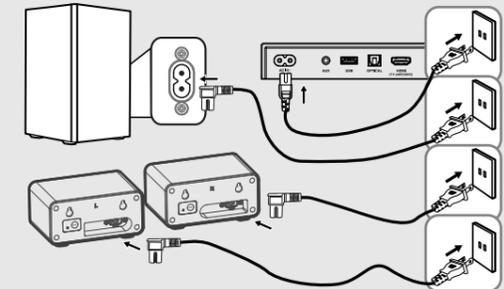
CONNECTING YOUR SOUNDBAR

Look at the back of your sound source device, such as a TV, DVD/Blu-ray player, or cable box, to identify your audio OUTPUT jacks or check the documentation that came with your sound source device to determine if it has Bluetooth capability.

Choose one of the connection options that fits your sound source. You can connect several devices and switch the sound source as required.
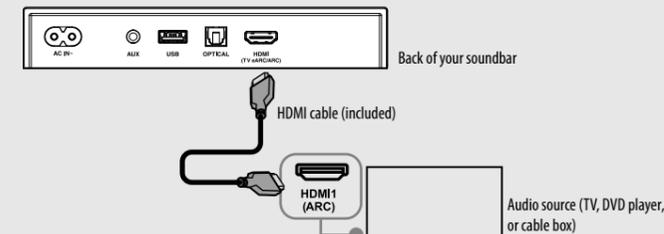
Before connecting your source device, connect your soundbar, subwoofer, and satellite speakers to power. See "CONNECTING THE AC POWER CORDS".

Connecting to HDMI eARC/ARC (Best)

Note: You can use HDMI to connect to other HDMI devices. To use the HDMI eARC/ARC functionality, the connected device must also have HDMI ARC functionality.

HDMI eARC/ARC allows a high definition TV to directly transmit audio to the AV amplifier/receiver through an HDMI cable, without the need for an additional audio cable.

1. Remove the caps off both ends of the HDMI cable (included).
2. Connect one end of the HDMI cable to the **HDMI (TV eARC/ARC)** jack on your soundbar.
3. Connect the other end into the HDMI eARC/ARC Output jack on your source device and turn on the CEC on your source device.
4. Change the source device's audio output to the PCM/DTS/Dolby format (typically found in audio settings).
5. Press the (sound source selector) button on your soundbar or your soundbar remote repeatedly until the display on the front of your soundbar shows **HDMI**.

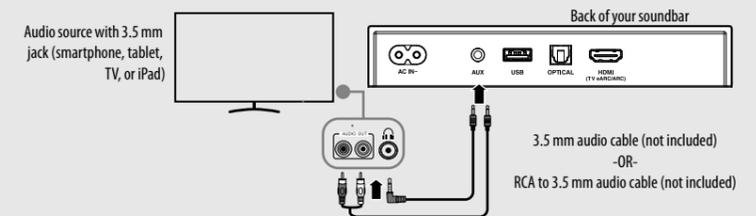
Back of your soundbar
HDMI cable (included)
HDMI1 (ARC)
Audio source (TV, DVD player, or cable box)

Connecting to digital optical (Better)

1. Connect one end of a digital optical cable (not included) to the **OPTICAL** jack on your soundbar.
2. Connect the other end into the Digital Optical Output jack on your source device.
3. Change the source device's audio output to the PCM/DTS/Dolby format (typically found in audio settings). See the documentation that came with your audio source device for more information.
4. Press the (sound source selector) button on your soundbar or soundbar remote repeatedly to select Optical mode.

Back of your soundbar
Digital optical cable (not included)
Audio source (TV, Blu-ray player, or cable box)
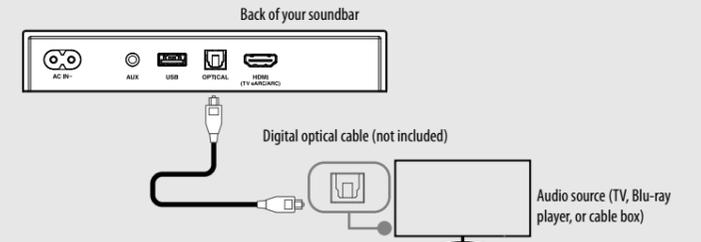
Connecting to AUX (Good)

1. Connect one end of a 3.5 mm audio cable (not included) into the **AUX** 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.
   Note: You can also use an RCA to 3.5 mm audio cable (also shown).
2. Press the (sound source selector) button on your soundbar or soundbar remote repeatedly to select AUX mode.

Back of your soundbar
Audio source with 3.5 mm jack (smartphone, tablet, TV, or iPad)
3.5 mm audio cable (not included)
-OR-
RCA to 3.5 mm audio cable (not included)

Connecting to USB

1. Plug a USB flash drive (with MP3/WAV/FLAC) into the **USB** port on the back of your soundbar.
2. Press the (sound source selector) button on your soundbar or soundbar remote repeatedly to select USB mode.
3. Control USB playback by pressing the / (play/pause/Bluetooth) button or the / (previous/next) buttons on your soundbar remote.

Back of your soundbar
USB flash drive

CONNECTING YOUR SOUNDBAR USING BLUETOOTH

Pairing your devices
1. Turn on your soundbar.
2. Place your Bluetooth device within 26.25 ft. (8 m) of your soundbar.
3. Press the ⏻ (sound source selector) button on your soundbar repeatedly until the display on the front of your soundbar flashes **BT** or press the ▶ll/ (play/pause/Bluetooth) button for three seconds on your remote.
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 **Insignia NS-SB512** from the device list.
6. Repeat steps 1-5 if **Insignia NS-SB512** is not displayed.
7. When pairing is completed the display on the front of your soundbar shows **BT**.
   Tips:
   - The operational range between your soundbar and the device is approximately 26.25 ft. (8m).
   - Compatibility with all Bluetooth devices is not guaranteed.
   - Any obstacle between the device and your soundbar can reduce operational range.
   - Keep your soundbar away from other electronic devices that may cause interference.
   - Your soundbar will also be disconnected when your device is moved beyond the operational range.

Disconnecting your devices
- Turn off the Bluetooth function on your device.
- Press and hold the ▶ll/ (play/pause/Bluetooth) button your soundbar remote for three seconds.
- Switch to another source on your soundbar.

CONNECTING YOUR SUBWOOFER AND SATELLITE SPEAKERS

Automatic pairing
Your subwoofer, satellite speakers, and your soundbar will automatically pair when they are plugged in. No cables are needed to connect them.
- When your subwoofer and satellite speakers are not pairing with your soundbar, the pairing indicator blinks quickly.
- When your subwoofer and satellite speakers are paired with your soundbar, the pairing indicator stays on.

Note: If the automatic pairing fails, unplug the power cord of your subwoofer and satellite speakers then reconnect the power cord to check if it can be paired, otherwise to pair your subwoofer and satellite speakers with your soundbar manually.

Manual pairing
1. Make sure that all the cables are well connected and switch your soundbar on.
2. Press and hold the **PAIR** button on the back of your subwoofer and satellite speakers for a few seconds. Your subwoofer and satellite speakers will enter pairing mode and the pairing indicator on your subwoofer and satellite speakers blink quickly.

Press the **PAIR** button   Press the ⏻ (sound source selector) button
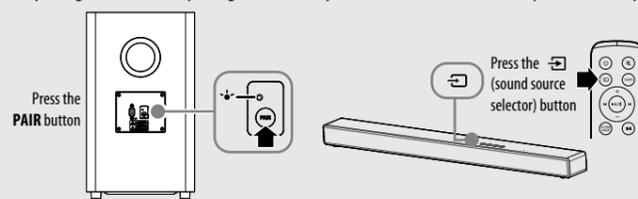
3. Press and hold the ⏻ (sound source selector) button on your soundbar for 15 seconds. The display shows **RESET** after ten seconds, then shows **PAIRING** after 15 seconds. If your subwoofer and satellite speakers are not connected, the display shows **SUB SURL SURR**. If your subwoofer and satellite speakers are connected, the display shows **CONNECTED** and your soundbar plays a sound.
Note: If the pairing indicator blinks, the wireless connection has failed. Unplug the power cords of your subwoofer and satellite speakers and then reconnect the power cords.
4. Repeat steps 1-3 to pair your other accessory (subwoofer or satellite speakers).

Manual pairing tips
- If the pairing fails again, check to determine if there are obstacles or strong interference (for example, interference from an electronic device) around your location. Remove these obstacles or strong interferences and repeat the above procedures.
- Your subwoofer should be within 19.7 ft. (6 m) of your soundbar in an open area.
  Regardless of the pairing situation, both your subwoofer and satellite speakers must be set to pairing mode at the same time with the pairing indicator LED flashing quickly, otherwise the pairing process will not be successful.

INSTALLING THE REMOTE BATTERIES
1. Remove the battery compartment cover from the back of the remote.
2. Insert two AAA batteries (included) into the battery compartment, making sure that the polarities on the batteries matches the + and - symbols inside the battery compartment.
3. Replace the battery compartment cover.
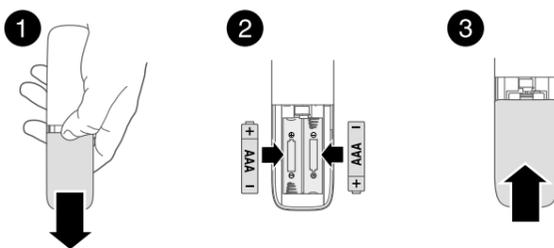
USING YOUR SOUNDBAR

Using the remote
Note: Make sure that batteries are installed in your soundbar remote.
Point your soundbar remote directly at the IR sensor on the front of your soundbar. You must be within approximately 19.7 ft. (6 m) of your soundbar.

IR sensor   Display

Listening to your soundbar
1. Press the ⏻ (power) button to turn on your soundbar. The soundbar display will show different text based on the selected mode (*HDMI* = HDMI, *OPT* = OPTICAL, *AUX* = AUX, *USB* = USB, *BT* = Bluetooth).
2. Turn on the audio source device connected to your soundbar and begin playback.
3. Press the ⏻ (sound source selector) button on your soundbar or your soundbar remote repeatedly until you hear sound from your soundbar.
Notes:
   - If you use the **HDMI (TV eARC/ARC)** jack, you must change your device's audio output setting to the PCM/DTS/Dolby format. See the documentation that came with the output device for additional information.
   - Make sure that your sound source is set to output sound to your soundbar (whichever connection method you choose). See the documentation that came with the device for additional information.
   - To turn your soundbar off completely, you must unplug the AC power cord.
4. Adjust the volume on your soundbar or the source audio device to a comfortable level.
   ⚠ **WARNING:** Continuous use of high volume sound may permanently damage your hearing.
5. Press the ⏻ (power) button again to turn off your soundbar. Your soundbar enters standby mode, the display lights up with the white standby LED, and the display shows **SLEEP**.

PROGRAMMING A DIFFERENT REMOTE
Your soundbar can learn 15 button codes from most remotes, so you can easily control the sound with either your soundbar remote or your TV remote. You can also replace your soundbar remote with another remote.

Programming using the Manual Sequence Learning Mode
1. With the power turned off, press and hold the ⏻ (power) button on the top of your soundbar for six seconds to enter the Manual Sequence Learning mode.
2. Press the button on the soundbar remote that you want to learn. After selecting, your soundbar will enter the IR learning state for the current function. The display shows **IR MANUAL**.

IR MANUAL

3. Press and hold the remote button that needs to be relearned until the displayed characters change from slow blinking to quick blinking.

Displays the current IR learning status

4
4. Press and hold the button that needs to be relearned until the displayed characters change from flashing to steady. The display shows **IR MANUAL** (scrolling display).

IR MANUAL (scrolling display)

5. Repeat steps 2-4 to bind the other buttons in the preset learning mode to the remote one by one, or short-press the ⏻ (sound source selector) button on your soundbar to skip the current button function in the learning sequence.
Note: If the button is incorrectly pressed three times, the display shows **ERROR**.
6. If no operation is performed within 20 seconds, the soundbar automatically exits the IR learning mode.
   **OR**
   Press and hold the ⏻ (sound source selector) button on your soundbar for two seconds to exit learning mode. The display shows **IR COMPLETE**.
   OR
   After learning 15 buttons, IR learning will automatically stop and exit. The display shows **IR COMPLETE**.

Programming using the Preset Sequence Learning Mode
1. Point your soundbar remote and the remote you want to program within 4 in. (10 cm) of the IR sensor on your soundbar.
2. With the power turned off, press and hold the ⏻ (power) button on the top of your soundbar for three seconds to enter the Preset Sequence Learning mode. The display shows **IR PRESET**. Your soundbar starts to learn the buttons in the following sequence:
   ⏻ (power) > (mute) > ⏻ (sound source selector) > **SURR** (surround sound) > + (volume up) > – (volume down) > ◄ (previous) > ► (next) > ▶ll/ (play/pause/Bluetooth) > **SOUND MODE** > ▶ (Dolby Atmos) > **BASS** – > **BASS** + > **TREBLE** – > **TREBLE** +.

IR PRESET
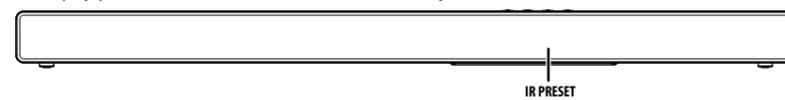
3. Press the button on your soundbar remote that you want to learn. Your soundbar enters the IR learning state for the current function and the displayed characters change from steady to slow blinking.
4. Press and hold the remote button that needs to be relearned until the displayed characters change from slow blinking to quick blinking.
5. Press and hold the button that needs to be relearned until the displayed characters change from flashing to steady. After two seconds, the display automatically switches to the next function.

Automatically switches to display the next function

6. Repeat steps 3-5 to bind the other buttons in the preset learning mode to the remote one by one, or short-press the ⏻ (sound source selector) button on your soundbar to skip the current button function in the learning sequence.
Note: If the button is incorrectly pressed three times, the display shows **ERROR**.
7. If no operation is performed within 20 seconds, your soundbar automatically exits the IR learning mode.
   OR
   Press and hold the ⏻ (sound source selector) button on your soundbar for two seconds to exit learning mode. The display shows **IR COMPLETE**.
   OR
   After learning 15 buttons, IR learning will automatically stop and exit. The display shows **IR COMPLETE**.

Deleting all learned remote codes
- With the power off, press and hold the ⏻ (power) button on your soundbar for ten seconds to clear all learned codes. When all learned remote codes are cleared, the display shows **IR RESET** and your soundbar turns off.

POSITIONING YOUR SOUNDBAR
- If your TV is placed on a table, you can place your soundbar on the table directly in front of the TV stand, centered with the TV screen.
- If your TV is attached to a wall, you can mount your soundbar on the wall directly below the TV screen.
Note: If you want to mount your soundbar below a wall-mounted flat screen TV, see your online *User Guide* or follow the instructions on the mounting template (included) using the mounting hardware (included).

POSITIONING YOUR SUBWOOFER
For the best sound results from your subwoofer, it should be placed against a wall or in a corner of the room. The location within the room is less important, because bass tones are omni directional.

POSITIONING YOUR SATELLITE SPEAKERS
If you want to mount your satellite speakers on the wall, see your online *User Guide* or follow the instructions on the mounting template (included) using the mounting hardware (included).

CONFIGURING DOLBY ATMOS
You can choose between:
- **LOW**: Best for smaller rooms with low ceilings.
- **MED** (default): Best for medium-sized rooms.
- **HIGH**: Best for larger rooms with taller ceilings.
Note: Short-press the ▶ (Dolby Atmos) button to display the current Dolby effect level (LOW/MED/HIGH), then use the +/- (volume) buttons to adjust the level. Adjustment only works with Dolby format audio. Non-Dolby format audio displays **NA** when pressed.

TROUBLESHOOTING
To troubleshoot your soundbar, set the brightness level to DIM 3 so that the display will remain on long enough to complete troubleshooting potential issues. To set the brightness level, see #5 in the Remote section on the previous page.
For Troubleshooting information, see your online *User Guide*.

LEGAL NOTICES

ONE-YEAR LIMITED WARRANTY
Visit www.insigniaproducts.com for details.

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For customer service, call 1-877-467-4289 (U.S. and Canada)
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