Congratulations on your purchase of a high-quality Insignia product. Your NS-HTIB51A represents the state of the art in home theater system design and is designed for reliable and trouble-free performance.

Package contents

- Receiver
- Front speakers (2)
- Center speaker
- Surround speakers (2)
- Subwoofer
- Remote control
- AA batteries (2)
- FM antenna
- AM antenna
- Speaker setup microphone
- Color labels for speaker cables
- Speaker cables:
  - 11 ft. (3)
  - 26 ft. (2)
  - RCA cable 10 ft.
- Rubber spacers for speakers (20)
- *User Guide*
- *Quick Setup Guide*

Back view features

| ITEM	DESCRIPTION	FUNCTION
1	**DIGITAL IN** jacks	Plug the optical digital cable from a game (1) or TV/CD (2) into the upper jacks, or the coaxial digital cable from a Blu-ray disc/DVD into the lower jack.
2	**COMPONENT** video jacks	Plug the cables from a component video source into the #1 (BD/DVD) or #2 (CBL/SAT) jacks. Plug the cables to a component video monitor into the OUT jacks. The jacks are color coded (red, green, and blue) to correspond to the cable connectors.
3	**HDMI** jacks	Plug the HDMI signal input cable from a GAME (IN3), cable/satellite box (IN2), or a BD/DVD player (IN1). Plug the HDMI output signal cable to a TV or monitor into the OUT jack.
4	**ANTENNA** connectors	Connect a 75 ohm FM antenna to the coaxial connector or an AM loop antenna to the wire connectors.
5	**MONITOR OUT V** (Video)	Connect this jack to a TV monitor.
6	**FRONT SPEAKERS** **SURROUND SPEAKERS** **CENTER SPEAKER**	Connect the front speakers to these connectors. Connect the left and right surround speakers and the center speaker to these connectors.
7	AC power cord	Plug this cord into an AC power outlet.
8	Composite Video and Audio L/R jacks	Plug the composite video and audio L/R output cables from the indicated devices into these jacks. For video recording, plug the composite video and audio L/R input cables to a VCR or DVR into the OUT jacks.
9	**SUBWOOFER**	Connect the subwoofer to this jack.

Actual product may vary from image shown.

Features
Front controls
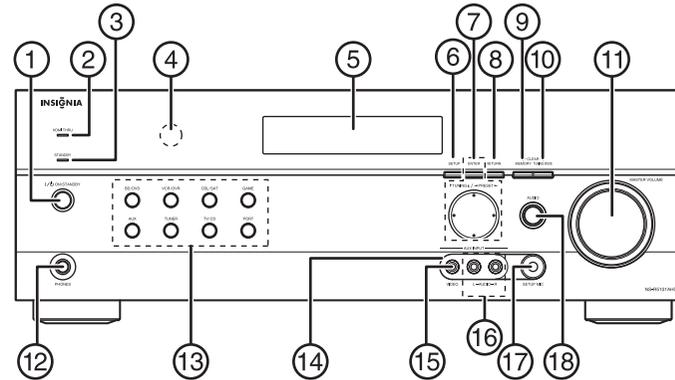
Fluorescent display
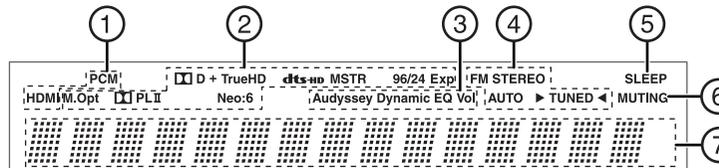
Back view
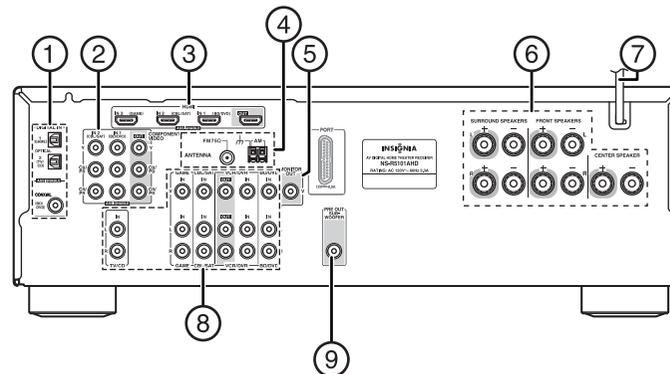
## Front controls features

ITEM	DESCRIPTION	FUNCTION
1	**ON/STANDBY** button	Press to turn on your stereo receiver.
2	**HDMI THRU** indicator	Lights when the HDMI pass-through function is activated in standby mode.
3	**STANDBY** indicator	Lights red when your stereo receiver is in standby mode.
4	Remote control sensor	Receives the signal from the remote control.
5	Display	Provides information about receiver functions and settings.
6	**SETUP** button	Press to open the on-screen menus.
7	**TUNING ▲ / ▼** **PRESET ◄ / ►** **ENTER**	Press **TUNING ▲ / ▼** to tune the radio to the next or previous station Press **PRESET ◄ / ►** to tune the radio to the next or previous station preset. Press **ENTER** to confirm a selection.
8	**RETURN** button	In menu mode, press to return to the main menu.
9	**MEMORY** button	Press to save a radio station preset. Press with the **TUNING MODE** button to clear presets.
10	**TUNING MODE** button	Press to turn on the receiver tuning mode and listen to the radio. Press with the **MEMORY** button to clear presets.
11	**MASTER VOLUME** knob	Turn to increase or decrease the volume.
12	Headphone jack	Plug your headphones into this jack.
13	Input selector buttons	Press to select the input signal source you want.
14	Protective cap	Remove when using jack.
15	**AUX INPUT VIDEO** jack	Plug an external video source into this jack.
16	**AUX INPUT AUDIO L/R** jacks	Plug an external sound source into this jack.
17	**SETUP MIC** jack	Plug the Audyssey setup microphone into this jack.
18	**AUDIO** button	Press to access audio settings.

Fluorescent display features

ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	Audio input indicators	5	**SLEEP** indicator
2	Listening mode indicator	6	**MUTING** indicator
3	Audyssey indicators	7	**DIGITAL** display
4	Tuning indicators		

Installing batteries in the remote control

1. Remove the cover.
2. Insert two AA batteries into the compartment matching the polarity indicated.
3. Replace the cover.

CAUTION: Do not use Ni-Cd rechargeable batteries in this remote control.

Remove the batteries if they are not to be used for an extended period of time.

Batteries (AA)
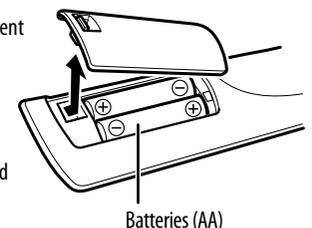
Setting up your home theater system

1 Finding a location for your home theater system

- Install your home theater system on a stable flat surface. Position your receiver so that it has a direct line of sight to the remote control.
- Do not expose your system to extremes of temperature or humidity.
- Avoid placing your system on a hot surface such as on top of other hot running equipment. Make sure that there is adequate ventilation to your system.

CAUTION: Connect the AC cord only after the speakers, antenna, and all optional equipment have been connected. Never make or change any connections with the power turned on.

2 Placing your speakers

1 Center speaker

This speaker enhances the front speakers, making sound movements distinct and providing a full-sound image. In movies it is used mainly for dialog. Position it close to your TV facing forward at about ear level, or at the same height as the front speakers.

2 Front speakers

These provide the overall sound. Their role in a home theater system is to provide a solid anchor for the sound image. They should be positioned facing the listener at about ear level, and equidistant from the TV. Angle them inward so as to create a triangle, with the listener at the apex.

3 Subwoofer

The subwoofer handles the bass sounds of the LFE (Low-Frequency Effects) channel. The volume and quality of the bass output from your subwoofer will depend on its position, the shape of your listening room, and your listening position. In general, a good bass sound can be obtained by installing the subwoofer in a front corner, or at one-third the width of the wall, as shown.

4 Surround speakers

These speakers are used for precise sound positioning and to add realistic ambience. Position them at the sides of the listener, or slightly behind, about two to three feet (60 to 100 cm) above ear level. Ideally they should be equidistant from the listener.

For additional information on setting up your speakers, refer to the *User Guide*.
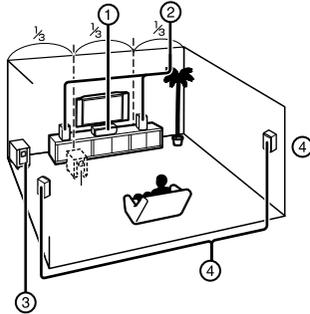
3 Connecting your speakers to the receiver

Speaker configuration

The following table indicates the channels you should use depending on the number of speakers that you have. For 5.1-channel surround-sound playback, you need five speakers and a powered subwoofer.
For additional information on configuring your speakers, refer to the *User Guide*.

Number of channels	2	3	4	5
Front speakers	X	X	X	X
Center speaker		X		X
Surround speakers			X	X

To connect the speaker cables:

1 Strip 1/2" to 5/8" (12 to 15 mm) of insulation from the ends of the speaker cables, and twist the bare wires tightly, as shown. (Supplied speaker cables are already stripped.)
2 Loosen the speaker terminals on the receiver and insert the speaker wires into the terminals (black wires go to the negative (–) terminals).
The following illustration shows which speaker should be connected to each pair of terminals.
3 Tighten the terminals to secure the wire.

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4 Press and hold the push-terminals on each speaker and insert the speaker wire, then release the push-terminal to secure the wire (black wires go to the negative (–) terminals).
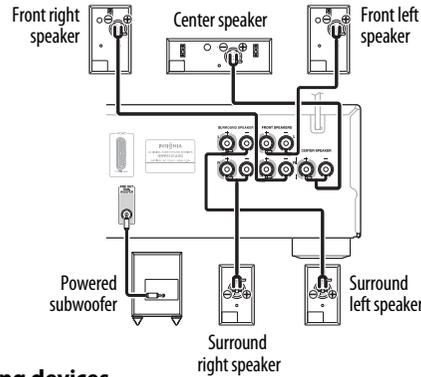
4 Connecting devices

Connecting the antenna

Note: The receiver won't pick up any radio signals without any antenna connected, so you must connect the antenna to use the tuner.
1 Connect the FM antenna to your receiver.
2 Connect the AM loop antenna to the receiver.

Connecting audio components

HDMI cable

Receiver

Blu-ray disc/DVD player

TV or projector

Game console

Other cables

— Video
— Audio

Receiver

Blu-ray disc/DVD player

TV or projector

Game console
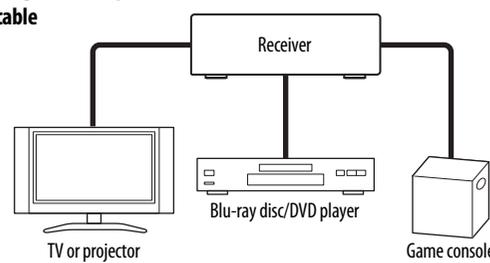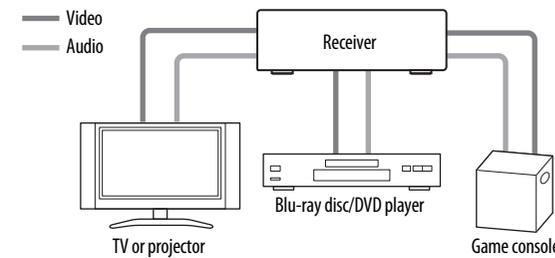
For additional information on deciding which connections to use, refer to the *User Guide*.

Connecting components with HDMI
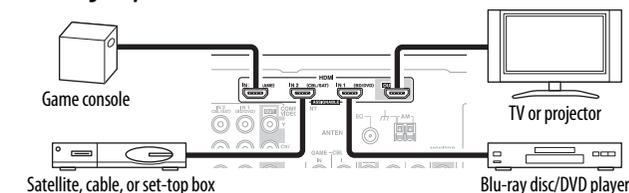
Game console

Satellite, cable, or set-top box

TV or projector

Blu-ray disc/DVD player

Connect your components to the appropriate jacks.
For information on assigning inputs, see "Setting up HDMI input (HDMI Input menu)" in your *User Guide*.

Connecting external components

Front
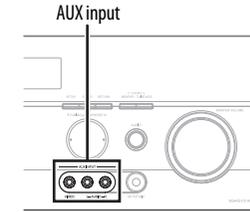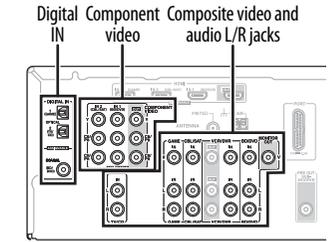
AUX input

Back

Digital IN   Component video   Composite video and audio L/R jacks

Connect your components to the appropriate jacks.
For information on assigning inputs, see "Setting up HDMI input (HDMI Input menu)" in your *User Guide*.

5 Connecting the power

- Plug the power cord into an AC outlet.

Your new system features the Audyssey 2EQ® room correction and speaker setup

With the supplied calibration microphone, Audyssey 2EQ automatically determines the number of speakers connected, their size (for purposes of bass management), optimum crossover frequencies to the subwoofer (if present), and distances from the primary listening position. Audyssey 2EQ then removes the distortion caused by room acoustics by capturing room acoustical problems over the listening area in both the frequency and time domain. The result is clear, well-balanced sound for everyone.

Enabling Audyssey 2EQ lets you also use Audyssey Dynamic EQ®, which maintains the proper octave-to-octave balance at any volume level.
For additional information on utilizing Audyssey, see your *User Guide*.

Troubleshooting

For information on troubleshooting, refer to the *User Guide*.

Specifications

For information on specifications, refer to the *User Guide*.

FCC Part 15

This device complies with Part 15 of the FCC Rules.

FCC warning

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

ICES-003 Class B Notice

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

One-year limited warranty

Visit www.insigniaproducts.com for details.

Contact Insignia:

For customer service please call 1-877-467-4289
www.insigniaproducts.com
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