

**Operating Instructions**

**NHS-301** Home Entertainment Solution

**NHS-301**

# Welcome

## Welcome

*Congratulations on your purchase of the Sony NHS-301 Home Entertainment Solution. It's designed to open up a world of audio and video enjoyment throughout your home.*

- You can throw a party and have the same music playing in three rooms.
- You can have remote control access to as many as five discs—DVDs or CDs in any combination.
- You can control the system using a single wireless remote control (in the Main Room) and sleek, unobtrusive, wall-mounted muting volume controls (in the remote rooms).

## The **Main** System

The NHS-301 is a three-room system that receives entertainment from a central rack of equipment in the Main Room. The Main Room system incorporates the following components:

- *Sony A/V receiver*
- *Sony 5-disc DVD/CD changer with progressive scan*
- *Sony VHS videocassette recorder*
- *Sony television*
- *Stereo amplifier for remote rooms*
- *Surround-sound speakers (not supplied by Sony)*

### **Optional, Compatible Cable, Satellite or High Definition TV Set-top Boxes\***

The main system may also include a cable, satellite or High Definition TV receiver, integrated by your installer. This may be compatible with the remote control codes of the Sony NHS-301 wireless remote control. (Not all brands and models are compatible.) This guide includes instructions for operating a compatible cable, satellite or High Definition TV receiver.

### **Audio Enjoyment in Remote Rooms**

The NHS-301 supplies entertainment to three rooms.

*The Main Room* provides a comprehensive choice of audio and video entertainment.

*Remote Rooms 1 and 2* enable you to hear the entertainment source selected in the Main Room.

### **Set-Up and Audio/Video Adjustments**

These Operating Instructions cover such basic functions as selecting entertainment sources and enjoying them. For information on additional component functions, including setup, advanced picture adjustments, advanced sound adjustments, loading tapes and discs and VCR timer recording, please consult the Operating Instructions for the individual components that make up the NHS-301

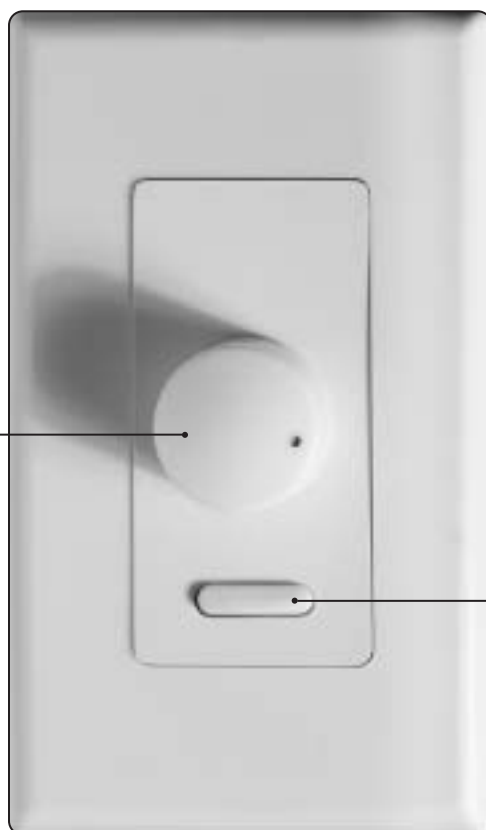
# Parts and Controls

## Main Room Wireless Remote Control



### Remote Room Muting Volume Control

**Volume Control.** Turn clockwise to raise the volume. Turn counterclockwise to lower the volume.



**Mute button.** Press once to block the audio portion of the program temporarily, as during a telephone conversation. Press again to resume hearing the audio portion of the program.

## Basic Operations: Main Room

In the Main Room, if you want to...	Pick up the wireless remote control and...
<p><b>...watch television when no cable, satellite or High Definition TV box is in use.</b></p>	<ol style="list-style-type: none"> <li>1. Press the TV Source Select button.</li> <li>2. Select the TV channel with the Numeric Keypad and Enter button or select the channel with the Ch/Track +/- buttons.</li> <li>3. Adjust the A/V receiver volume with the Volume +/- buttons.</li> </ol>
<p><b>...watch an optional, compatible cable, satellite or High Definition TV set-top boxes.*</b></p>	<ol style="list-style-type: none"> <li>1. Press the Source Select button for the Cable, Satellite or High Definition TV set-top box.</li> <li>2. You can go directly to a channel with the Numeric Keypad and Enter button.</li> <li>3. You can tune channels with the Ch/Track +/- buttons.</li> <li>4. You can also find channels with the Program Guide.               <ol style="list-style-type: none"> <li>a. Press the Guide button to activate the Program Guide,</li> <li>b. Use the Up/Down/Left/Right Cursor buttons to find your channel.</li> <li>c. Press the center "- " "OK" button to make your selection.</li> <li>d. To exit the Program Guide without making a selection, press the Exit Button.</li> </ol> </li> <li>5. Adjust the A/V receiver volume with the Volume +/- buttons.</li> </ol>
<p><b>...to watch TV while listening to an audio source.</b></p>	<ol style="list-style-type: none"> <li>1. If you watch over-the-air television or if you watch cable TV without a cable set-top box, you can listen to an AM, FM or CD while you watch television.</li> <li>2. Press TV.</li> <li>3. Select TV channel to view.</li> <li>4. Select the Audio source you want to hear. For CD, select DVD.</li> <li>5. Press TV Power button to turn the television back on.</li> </ol>
<p><b>...watch a DVD.</b></p>	<ol style="list-style-type: none"> <li>1. Press the Source Select button for DVD.</li> <li>2. Press the Disc button to advance the DVD changer to the desired DVD.</li> <li>3. Press the Play button to play the selected DVD.</li> <li>4. Adjust the A/V receiver volume with the Volume +/- buttons.</li> <li>5. To temporarily halt playback, press the Pause button.</li> <li>6. To resume playback, press the Play button or press the Pause button a second time.</li> </ol>

## Basic Operations: Main Room/Remote Room

In the Main Room, if you want to...	Pick up the wireless remote control and...
...watch a VHS cassette.	<ol style="list-style-type: none"> <li>1. Press the Source Select button for VCR.</li> <li>2. Press the Play button to play the tape.</li> <li>3. Adjust the A/V receiver volume with the Volume +/- buttons.</li> <li>4. To temporarily halt playback, press the Pause button.</li> <li>5. To resume playback, press the Play button or press the Pause button a second time.</li> </ol>
...listen to a Compact Disc.	<ol style="list-style-type: none"> <li>1. Press the Source Select button for DVD.</li> <li>2. Press the TV Off button to turn the television off.</li> <li>3. Press the Disc button to advance the DVD changer to the desired CD.</li> <li>4. Press the Play button to play the selected CD.</li> <li>5. Adjust the A/V receiver volume with the Volume +/- buttons.</li> <li>6. To temporarily halt playback, press the Pause button.</li> <li>7. To resume playback, press the Play button or press the Pause button a second time.</li> </ol>
...listen to AM and FM stations.	<ol style="list-style-type: none"> <li>1. Press the Tuner Source Select button. TV will shut down if it was previously on.</li> <li>2. To switch between AM and FM, use the Jump button.</li> <li>3. To cycle through the preset stations, use the Ch/Track +/- buttons.</li> <li>4. Adjust the A/V receiver volume with the Volume +/- buttons.</li> </ol>
...change to a different source.	<ol style="list-style-type: none"> <li>1. Press the Source Select button for the new source you want to enjoy.</li> <li>2. Press the TV Off button if you're switching from audio/video entertainment to audio only.</li> </ol>
...turn the system off.	<ol style="list-style-type: none"> <li>1. Press the System Off button to shut the entire system down.</li> </ol>

In a Remote Room, if you want to...	Go to the muting volume control and...
...listen to the source that's playing the Main Room.	<ol style="list-style-type: none"> <li>1. Adjust the volume with the in-wall Volume control.</li> <li>2. To temporarily block the sound, as during a telephone conversation, press the Mute button.</li> <li>3. To resume listening, press the Mute button a second time.</li> </ol>

## Advanced Operations: Main Room

Each time you press a Source Select button on the wireless remote control, the functions of the remote unit change to operate the specific source you've selected. The following section describes the action that each button performs in each operating mode. Note: Not all buttons are active in all modes.

### Watching Television

1. **System Off button.** Shuts off power to the entire system, regardless of which components happen to be on at the time.
2. **Numeric Keypad.** Use these keys to enter TV channels.
3. **Mute button.** Press once to block the audio portion of the program temporarily, as during a telephone conversation. Press again to resume hearing the audio portion of the program.
4. **Enter button.** Enters the numbers you've pressed on the numeric keypad.
5. **Jump button.** Returns to the previous TV channel.
6. **TV/Video button.** Cycles through television input modes, advancing to the next input each time you press the button. For example: TV -> Video 1 -> Video 2 -> Video 3 -> Video 4 -> Video 5 -> TV.
7. **Exit button.** Exits the TV menu.
8. **Volume +/- buttons.** Adjusts the A/V receiver volume.
9. **Ch/Track +/- buttons.** Changes the television channel up and down.
10. **Up/Down/Left/Right/OK cursor buttons.** Navigate the TV menu. The central "-|--" or "OK" button accepts the current menu selection.
11. **Display button.** Activates TV channel display.
12. **Menu button.** Activates the TV on-screen menu.
13. **TV off button.** Turns off the television. Useful when switching from video entertainment to audio only.
14. **TV wide button.** Cycles through TV widescreen viewing modes.
15. **TV Source Select button.** Automatically turns on the TV, the cable, satellite or High Definition TV receiver (if required), and the A/V receiver. Automatically selects the correct inputs on all components. Changes the remote control mode to operate the television.

**NOTE:** If you have a cable TV, satellite TV or High Definition TV set-top box\*, your installer may have programmed one of the buttons for your favorites. Please recommend a button you will always remember (e.g., Disc).

### Watching an Optional, Compatible Cable, Satellite or High Definition TV Set-Top Box\*

1. **System Off button.** Shuts off power to the entire system, regardless of which components happen to be on at the time.
2. **Numeric Keypad.** Use these keys to enter cable channels.
3. **Mute button.** Press once to block the audio portion of the program temporarily, as during a telephone conversation. Press again to resume hearing the audio portion of the program.



## Advanced Operations: Main Room

### Watching an Optional, Compatible Cable, Satellite or High Definition TV Set-Top Box\* (CONTINUED)

4. **Enter button.** Enters the numbers you've pressed on the numeric keypad.
5. **Jump button.** Returns to the previous cable channel.
6. **TV/Video button.** For cable set-top boxes only. Cycles through input modes, advancing to the next input each time you press the button. For example: Cable Bypass -> Input A -> Input B -> Cable Bypass.
7. **Guide Button.** Activates the program guide.
8. **Exit button.** Exits the program guide.
9. **Volume +/- buttons.** Adjusts the A/V receiver volume.
10. **Ch/Track +/- buttons.** Changes the channel up and down.
11. **Up/Down/Left/Right/OK cursor buttons.** Navigate set-top box menus. The central "-|-" or "OK" button accepts the current menu selection.
12. **Display button.** Activates the channel display.
13. **Menu button.** Activates the set-top box on-screen menu.
14. **TV off button.** Turns off the television. Useful when switching from video entertainment to audio only.
15. **TV wide button.** Cycles through TV widescreen viewing modes.
16. **Cable, Satellite and High Definition Source Select buttons.** Automatically turn on the TV, the A/V receiver and the cable, satellite or High Definition TV set-top box. Automatically selects the correct inputs on all three components. Changes the remote control mode to operate the cable, satellite or High Definition TV set-top box.

### Watching DVDs

1. **System Off button.** Shuts off power to the entire system, regardless of which components happen to be on at the time.
2. **Numeric Keypad.** Use these keys to enter DVD chapter numbers.
3. **Mute button.** Press once to block the audio portion of the program temporarily, as during a telephone conversation. Press again to resume hearing the audio portion of the program.
4. **Enter button.** Enters the numbers you've pressed on the numeric keypad.
5. **Disc button.** Advances the 5-disc DVD changer to the next disc.
6. **Guide Button.** Activates the DVD top menu.
7. **Exit button.** Exits the DVD menu.
8. **Volume +/- buttons.** Adjusts the A/V receiver volume.
9. **Ch/Track +/- buttons.** Press + to go to the next DVD chapter. Press - to go to the beginning of the current DVD chapter or to the previous chapter if you're already at the beginning. Press repeatedly to skip forward or back multiple chapters.
10. **Up/Down/Left/Right/OK cursor buttons.** Navigate DVD menus. The central "-|-" or "OK" button accepts the current menu selection.

## Advanced Operations: Main Room

### Watching DVDs (CONTINUED)

11. **Display button.** Activates the DVD on-screen time display.
12. **Menu button.** Activates the DVD on-screen menu.
13. **Rewind button.** Activates DVD reverse scan. Press again for higher-speed reverse scan.
14. **Play button.** Activates DVD Play.
15. **Fast Forward button.** Activates DVD forward scan. Press again for higher-speed forward scan.
16. **Pause button.** Temporarily halts DVD playback. Press again to resume playback.
17. **TV off button.** Turns off the television. Useful when switching from video entertainment to audio only.
18. **TV wide button.** Cycles through TV widescreen viewing modes.
19. **DVD Source Select button.** Automatically turns on the DVD changer, A/V receiver and TV. Automatically selects the correct inputs on the A/V receiver and TV. Changes the remote control mode to operate the DVD functions.

### Watching VHS Tapes

1. **System Off button.** Shuts off power to the entire system, regardless of which components happen to be on at the time.
2. **Numeric Keypad.** Use these keys to enter channel numbers on your VCR.
3. **Mute button.** Press once to block the audio portion of the program temporarily, as during a telephone conversation. Press again to resume hearing the audio portion of the program.
4. **Enter button.** Enters the numbers you've pressed on the numeric keypad.
5. **Volume +/- buttons.** Adjusts the A/V receiver volume.
6. **Ch/Track +/- buttons.** Changes the VCR channel up and down.
7. **Up/Down/Left/Right/OK cursor buttons.** Navigate VCR menus. The central "-|" or "OK" button accepts the current menu selection.
8. **Display button.** Activates the VCR on-screen display of recording speed (SP/LP/EP) and recording time.
9. **Menu button.** Activates the VCR on-screen menu.
10. **Rewind button.** From the Stop mode, activates rewind. From the Play mode, activates reverse scan.
11. **Play button.** Activates Play on the VCR.
12. **Fast Forward button.** From the Stop mode, activates fast forward. From the Play mode, activates forward scan.
13. **Record button.** Activates Record on the VCR.
14. **Pause button.** Temporarily halts VCR playback. Press again to resume playback.
15. **TV off button.** Turns off the television. Useful when switching from video entertainment to audio only.
16. **TV wide button.** Cycles through TV widescreen viewing modes.
17. **VCR Source Select button.** Automatically turns on the TV, A/V receiver and VCR and selects the correct inputs on the TV and A/V receiver. Changes the remote control mode to operate the VCR.

## Advanced Operations: Main Room

### Listening to CDs

1. **System Off button.** Shuts off power to entire system, regardless of which components happen to be on at the time.
2. **Numeric Keypad.** Use these keys to enter CD track numbers.
3. **Mute button.** Press once to block the audio portion of the program temporarily, as during a telephone conversation. Press again to resume hearing the audio portion of the program.
4. **Enter button.** Enters the numbers you've pressed on the numeric keypad.
5. **TV/Video button.** Acts as the +10 button when accessing CD tracks by number.
6. **Disc button.** Advances the 5-disc DVD changer to the next disc.
7. **Volume +/- buttons.** Adjusts the A/V receiver volume.
8. **Ch/Track +/- buttons.** Press + to go to the next CD track. Press - to go to the beginning of the current CD track or to the previous track if you're already at the beginning. Press repeatedly to skip forward or back multiple tracks.
9. **Rewind button.** Activates CD reverse scan.
10. **Play button.** Activates CD Play.
11. **Fast Forward button.** Activates CD forward scan.
12. **Pause button.** Temporarily halts CD playback. Press again to resume playback.
13. **DVD Source Select button.** Automatically turns on the DVD changer and A/V receiver. Automatically selects the correct input on the A/V receiver. Changes the remote control mode to operate the DVD/CD functions.

### Listening to AM/FM Stations

1. **System Off button.** Shuts off power to entire system, regardless of which components happen to be on at the time.
2. **Numeric Keypad.** Use these keys for choosing AM/FM preset stations or for Direct Tuning of stations by radio frequency. (For Direct Tuning, first press the Enter button.)
3. **Mute button.** Press once to block the audio portion of the program temporarily, as during a telephone conversation. Press again to resume hearing the audio portion of the program.
4. **Enter button.** Selects the direct tuning mode, which enables you to use the Numeric Keypad to tune a station by entering its radio frequency.
  - a. For example, to tune 103.7 FM, press Enter, 1, 0, 3, and 7.
  - b. To tune 92.3 FM, press Enter, 9, 2, and 3.
  - c. To tune 880 AM, press Enter, 8 and 8. There is no need to press 0.
  - d. To tune 1010 AM, press Enter, 1, 0, and 1.
5. **Jump button.** Cycles between AM and FM tuning.
6. **Volume +/- buttons.** Adjusts the A/V receiver volume.
7. **Ch/Track +/- buttons.** Moves up and down through AM/FM tuner preset stations.
8. **Up/Down cursor buttons.** Scan up and down the radio band.
9. **Tuner Source Select button.** Automatically turns on the A/V receiver and selects the Tuner mode. Changes the remote control mode to operate the tuner functions.

## Troubleshooting

If, after reading the following instructions, you still have problems relating to the operation of this System, please call our Customer Support Hotline:

1-877-619-7669 or email: [sonynewhome@info.sel.sony.com](mailto:sonynewhome@info.sel.sony.com)

Problem	Possible Remedies
<b>No sound in Main Room</b>	<ul style="list-style-type: none"><li>• Make sure the muting is not engaged.</li><li>• If playing a CD, make sure that a disc is loaded.</li><li>• Try pressing the Source Select button for the desired source again, to reset the correct inputs and power up the correct components.</li></ul>
<b>No sound in additional rooms</b>	<ul style="list-style-type: none"><li>• Make sure the muting is not engaged.</li><li>• Make sure the power button on all the amps at the bottom of the rack are pushed in and are lit.</li></ul>
<b>No picture and no sound</b>	<ul style="list-style-type: none"><li>• Try another TV station. It may be a station issue.</li><li>• If playing a DVD, make sure that a disc is loaded.</li><li>• Try pressing the Source Select button for the desired source again, to reset the correct inputs and power up the correct components.</li></ul>
<b>Wireless remote does not operate</b>	<ul style="list-style-type: none"><li>• Replace the remote control batteries.</li><li>• Confirm a direct line of sight from the remote control to the system rack and/or infrared repeater "eye."</li></ul>
<b>Aspect ratio of the TV picture is wrong.</b>	<ul style="list-style-type: none"><li>• Cycle through the options on the TV Wide button of the infrared remote control.</li></ul>

## SONY®

Sony Electronics Inc.  
1 Sony Drive, Park Ridge, NJ 07656  
[www.sonyavdesigner.com](http://www.sonyavdesigner.com)

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\* Cable, Satellite, and HD set-top boxes. These are optional products that may accompany your Sony NHS-301 system. These may require monthly subscriber fees, not included. These products may or may not be compatible with the remote control codes of the Sony NHS-301.