

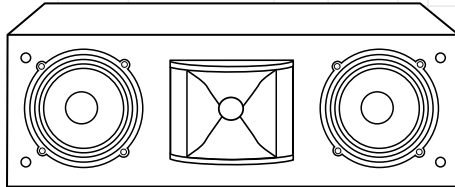
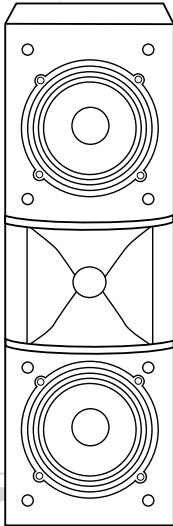
# THANK YOU FOR CHOOSING JBL

For more than 50 years, JBL has been involved in every aspect of music and film recording and reproduction, from live performances to the recordings you play in your home, car or office.

We're confident that the JBL loudspeakers you have chosen will provide every note of enjoyment that you expected – and that when you think about purchasing additional audio equipment for your home, car or office, you will once again choose JBL.

Please take a moment to complete the enclosed profile card. It enables us to keep you posted on our latest advancements, and helps us to better understand our customers and build products that meet their needs and expectations.

JBL Consumer Products



## OWNER'S GUIDE

**PRODUCT LINE:** HT SERIES

**MODEL NUMBER:** HT4V, HT4H

**DESIGN GOAL:** Bring the thrill of live performance and movie sound to the home environment by calling on JBL's professional engineering leadership.

**TWEETER TYPE:** Pure-titanium dome with Bi-Radial™ Constant Directivity Horn

**WOOFER TYPE:** Cast-aluminum basket with HeatScape™ motor structure

**CROSSOVER NETWORK:** Straight-Line Signal Path™ (SSP)

**PORT DESIGN:** FreeFlow™ flared

**PROFESSIONAL REFERENCE:** Cinema Loudspeaker Series

# JBL



Only model HT4V is THX® Ultra certified.

# INTRODUCTION

JBL's HT Series takes advantage of our latest technology to deliver incredibly clean, detailed sound. Incorporating JBL's symmetrical array design and exclusive Bi-Radial<sup>®</sup> horn, these loudspeakers deliver sound that is distributed over a wide soundstage with pinpoint imaging, and the HT4V is THX<sup>®</sup> Ultra certified. The horn should be directed at ear level in

order to maximize the imaging characteristics. The Bi-Radial horn design – which greatly reduces room reverberation – along with video-shielding, allows greater placement flexibility within the room. Ultrawide frequency response and high power handling combine to give you clear, powerful sound that you get only from genuine JBL. The HT

loudspeakers are perfect for today's Dolby<sup>®</sup> Digital and DTS<sup>®</sup> recordings.

The HT4H center-channel loudspeaker is designed to complement any of the HT Series loudspeakers. It is the perfect addition for re-creating the cinematic experience in your home.

## SPEAKER PLACEMENT

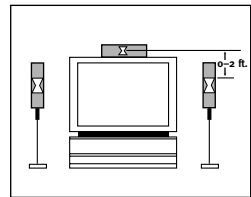
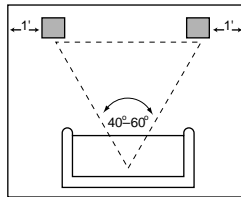
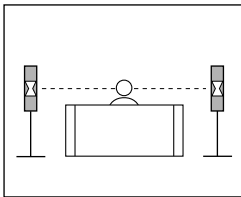
Proper placement of the speakers is an important step in obtaining the most realistic soundstage possible. These recommendations

are for the optimum placement of the loudspeakers. Use these placement recommendations as a guide. Slight variations

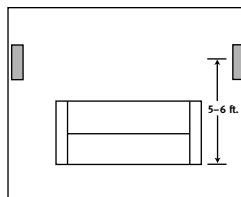
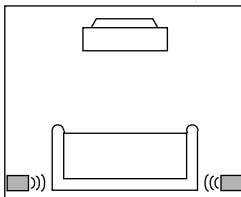
will not diminish your listening pleasure.

### HT4V

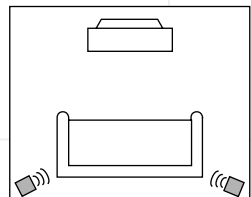
#### As Front Speakers



#### As Surround Speakers



#### HT4H Center-Channel Speaker



For optimum performance, use the HT4H with the grille attached. The front speakers should be placed the same distance from each other as they are from the listening position. They should be placed at about the same height from the floor as the listeners' ears will be, or they may be angled toward the listeners.

The HT4H center-channel speaker should be placed slightly behind the front left and right speakers, and no more than two feet above

or below the tweeters of the left and right speakers. It is often convenient to set the center speaker on top of the television set, as shown in the drawing. The two surround speakers should be placed slightly behind the listening position and, ideally, should face each other and be at a level higher than the listeners' ears. If that is not possible, they may be placed in the corners of the room behind the listening position, angled in toward the

center of the listening area. The customer is responsible for proper selection and use of mounting hardware, available through hardware stores, to properly and safely wall-mount the speakers. The surround speakers should not call attention to themselves. Experiment with their placement until you hear a diffuse, ambient sound accompanying the main-program material heard in the front speakers.

# SPEAKER FEET

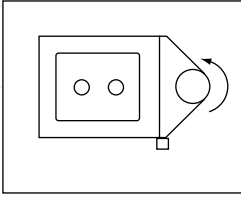
Both the HT4V and HT4H come with rubber, self-adhesive

footpads, which should be attached to the bottom corners of

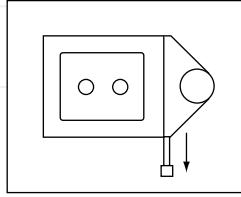
each speaker to protect both your furniture and the speakers.

## HT4H

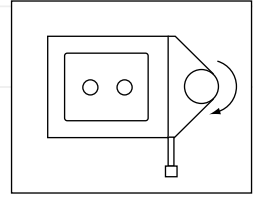
The HT4H terminal cup has an adjustable foot to angle the speaker toward the listening position.



Loosen thumbscrew.



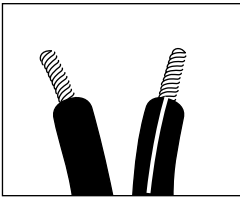
Slide rod down the desired amount.



Tighten thumbscrew.

# SPEAKER CONNECTIONS

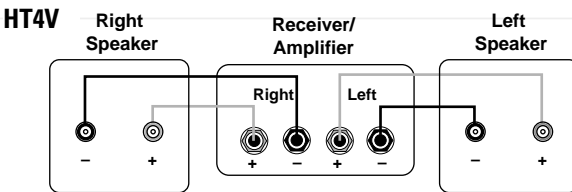
## Connection Tips



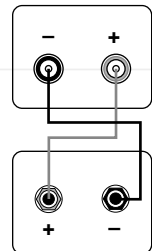
Separate and strip the ends of the speaker wire as shown. Speakers and electronics terminals have corresponding (+) and (-)

terminals. Most manufacturers of speakers and electronics, including JBL, use red to denote the (+) terminal and black for the (-) terminal. The (+) lead of the speaker wire is noted with a stripe. It is important to connect both speakers identically: (+) on the speaker to (+) on the amplifier and (-) on the speaker to (-) on the amplifier. Wiring "out of phase" results in thin sound, weak bass and a poor stereo image.

With the advent of multichannel surround-sound systems, connecting all of the speakers in your system with the correct polarity remains equally important in order to preserve the proper ambience and directionality of the program material.



## HT4H Center Speaker



Receiver/Amplifier

# TROUBLESHOOTING

### If there is no sound from any of the speakers:

- Check that receiver/ amplifier is on and that a source is playing.
- Review proper operation of your receiver/amplifier.
- Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.

### If the system plays at low volumes but shuts off as volume is increased:

- Check all wires and connections between receiver/amplifier and speakers.
- If more than one pair of main speakers is being used, check the minimum impedance requirements on your receiver/amplifier.

- Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.

### If there is no sound coming from one speaker:

- Check the "Balance" control on your receiver/ amplifier.
- Check all wires and connections

# TROUBLESHOOTING (cont.)

between receiver/amplifier and speakers.

- Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.
- In Dolby Digital or DTS modes, make sure that the receiver/processor is configured so that the speaker in question is enabled.

**If there is no sound from the center speaker:**

- Check all wires and connections

between receiver/amplifier and speaker. Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.

- If your receiver/processor is set in Dolby Pro Logic mode, make sure the center speaker is not in phantom mode.
- If your receiver/processor is set in Dolby Digital or DTS mode, make sure the receiver/processor is configured so that the center speaker is enabled.

**If there is no (or low) bass output:**

- Make sure the polarities (+ and -) of the left and right "Speaker Inputs" are connected properly.
- If a powered subwoofer is being used, check the manufacturer's instructions for proper use.
- If a subwoofer is being used in Dolby Digital or DTS modes, make sure your receiver/processor is configured so that the subwoofer and LFE output are enabled.

**If there is no sound from the surround speakers:**

- Check all wires and connections between receiver/ amplifier and speakers. Make sure all wires are connected. Make sure none of the speaker wires are frayed, cut or punctured.
- Review proper operation of your receiver/amplifier and its surround-sound features.
- Make sure the movie or TV show you are watching is recorded in a surround-sound mode. If it is not, check to see if your receiver/ amplifier has other surround modes you may use.
- In Dolby Digital or DTS modes, make sure your receiver/ processor is configured so that the surround speakers are enabled.
- Review the operation of your DVD player and the jacket of your DVD to make sure that the DVD features the desired Dolby Digital or DTS mode, and that you have properly selected that mode using both the DVD player's menu and the DVD disc's menu.

## SPECIFICATIONS

	HT4V	HT4H
<b>Frequency Response:</b>	80Hz – 18kHz (±2dB) 50Hz – 20kHz (-6dB)	100Hz – 18kHz (±2dB) 55Hz – 20kHz (-6dB)
<b>Sensitivity (2.83V/1m):</b>	88dB	90dB
<b>Maximum Recommended Amplifier Power**:</b>	150W	150W
<b>Nominal Impedance:</b>	8 Ohms	8 Ohms
<b>Crossover Frequency:</b>	2500Hz	2500Hz
<b>Low-Frequency Transducer:</b>	Dual 5-1/4"	Dual 5-1/4"
<b>High-Frequency Transducer:</b>	1" Pure-titanium dome with Bi-Radial® horn	1" Pure-titanium dome with Bi-Radial® horn
<b>Dimensions (H x W x D):</b>	20" x 6-13/16" x 11-7/8" 508mm x 173mm x 302mm	6-13/16" x 20" x 11-7/8" 173mm x 508mm x 302mm
<b>Weight:</b>	25 lb/11.4kg	25 lb/11.4kg

Occasional refinements may be made to existing products without notice but will always meet or exceed original specifications unless otherwise stated.

THX is a registered trademark of Lucasfilm, Ltd.

\* Dolby is a trademark of Dolby Laboratories. DTS is a registered trademark of Digital Theater Systems, Inc.

\*\* The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.

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JBL

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COMES HOME™

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