Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HARMAN KARDON SB 16. You'll find the answers to all your questions on the HARMAN KARDON SB 16 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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SB 16/230
Active speaker soundbar
Owner's Manual

harman/kardon
by HARMAN

Manual abstract:

@@@@@@this will help ensure that the connections you make are correct. In addition, a few minutes spent learning the functions of the various controls will enable you to take advantage of all the power and refinement the sb 16/230 is able to deliver. If you have any questions about this product, its installation or its operation, please contact your retailer or custom installer, or visit our web site at www.harmankardon.com. Description and Features the sb 16/230 is a complete home theater speaker system that includes: · a video-shielded stereo soundbar speaker (the sb 16 ctr) with two-way dualdriver left and right speakers and built-in 25-watt x 2 stereo amplifier · a 10-inch (250mm), 100-watt wireless powered subwoofer (the sb 15/230 sub) · wall-mount brackets for the soundbar · a 6.5-foot (2m) stereo audio cable for connecting the system directly to your tV's audio output. the sb 16 ctr soundbar contains the system's left and right speakers and stereo amplifiers, and features digital signal processing with virtual 3d surround circuitry that creates a complete surround-sound experience without any extra speakers or wires. you can set the soundbar on a table in front of your tV; also, the system includes hardware that makes it easy to mount the soundbar on the wall along with your flat-panel tV. you can program the soundbar to respond to your tV remote's volume, power and source commands.

the sb 15/230 sub subwoofer receives its signal from the sb 16 ctr soundbar via wireless technology, so you can place it anywhere in your room without having to run any wires. Its 10-inch (250mm) woofer and built-in 100-watt amplifier deliver a movie's impact and excitement. other conveniences include a volume control, a phase switch for fine-tuning bass performance to suit your listening environment, and an efficient switching system that senses the presence of an audio signal and automatically switches the subwoofer on. harman kardon invented the high-fidelity receiver more than 50 years ago. with state-ofthe-art features and time-honored circuit designs, the sb 16/230 system will turn your flat-screen tV into a fun and exciting home theater.

two sets of wall-mount brackets for the soundbar one shallow and one extended (for when the optical digital audio input is being used) two rubber feet one 24V dc power supply and one ac power cord for the sb 16ctr speaker one 1.5m (5-ft) optical digital audio cable one 2m (6.5-ft) stereo audio cable Important: If anything is missing, or if any part of your sb 16/230 system fails to operate properly, contact your dealer immediately. 3 ENGLISH SB 16/230 Introduction, Description and Features, Included Items SB 16/230 Soundbar Top-Panel Controls power button surround mode button Volume up/down buttons source selector button Soundbar Top-Panel Controls and Soundbar Rear-Panel Controls and Connections Soundbar Rear-Panel Controls and Connections Wireless Code Switch: selects between four different channels for the wireless subwoofer signal. IMPORTANT: Be sure to set the subwoofer's Wireless Code switch to the same channel that you set the soundbar's Wireless Code switch.

See Wireless Code Switches, on page 10, for more information. EQ Switch: this switch adjusts the soundbar's bass for either wall or table mounting. If you're mounting the soundbar on a wall with the included wall-mount brackets, set this switch to the Wall position for the most natural-sounding bass performance. @@@@see Soundbar Trim Switch, on page 10, for more information. @@Source 2 Connection (digital): If your tV, dVd player or cable/satellite tuner has a coaxial digital output, you can connect it here. note: If you connect your tV or another component to the soundbar's source 1 connection, you can connect a different component to the source 2 connection. Power Connection: connect the included dc power supply here. see Power Connections, on page 8, for more information. IMPORTANT: Do not connect the power supply's AC cord to an AC outlet until you have made and verified all connections. Power Switch: set this switch to the on position (press the switch's white dot) to activate the soundbar.

In normal operation, this switch will be left in the on position. see Turning the Soundbar On and Off, on page 9, for more information. power surround Indicator mode Indicator source Indicator Power Button: when the soundbar is in the standby mode (the power Indicator is amber), press this button to turn the sb 16/230 system on (the power Indicator turns blue.) note: when the soundbar is in the standby mode, it will automatically turn on whenever it detects an audio signal at the source 1 (analog) inputs. when the sb 16/230 system is on: · Momentarily press the Power button to mute the sb 16/230 system. (the power Indicator flashes blue.) · Hold down the Power button for three seconds to put the soundbar in the Standby mode. (the power Indicator turns amber.) note: the subwoofer will remain on for approximately 15 minutes after the audio signal ceases and then will automatically go into the standby mode. Surround Mode Button: this button turns the sb 16/230 system's 3d surround processing on and off.

the surround mode Indicator turns blue when 3d surround is active and turns white when 3d surround is not active (normal stereo sound). see Soundbar Surround Mode Button, on page 9, for more information. @@@@@@@@@see Subwoofer Crossover Knob, on page 10, for more information. @@@@@@If the subwoofer were to play out of phase with the soundbar speakers, the sound waves from the soundbar could cancel out some of the sound waves from the subwoofers, reducing bass performance and sonic impact. this phenomenon depends in part on the placement of the subwoofer and soundbar relative to each other in the room.

see Subwoofer Phase Switch, on page 10, for more information. Wireless Code Switch: selects between four different channels for the wireless subwoofer signal. IMPORTANT: Be sure to set the soundbar's Wireless Code switch to the same channel as you set the subwoofer's Wireless Code switch. See Wireless Code Switches, on page 10, for more information. AC Fuse: the sb 15/230 sub is factory-equipped with a t1al/250V 1a 250V ac fuse.

If the fuse ever blows: 1. unplug the power cord from the wall. 2. use a screwdriver to remove the blown fuse. 3. replace the fuse with an identical t1al/250V 1a 250V ac fuse. CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE, REPLACE THE FUSE ONLY WITH THE SAME TYPE AND RATING. Power Cord: plug this cord into an active, unswitched ac outlet. see Power Connections, on page 8, for more information. Power Switch: set this switch to the on position to activate the subwoofer.

In normal operation, this switch will be left in the on position. see Turning the Subwoofer On and Off, on page 9, for more information. Status Indicator (on top of unit, not shown): turns blue when the subwoofer's power switch is in the on position; turns amber when the subwoofer is in standby; turns off when the subwoofer's power switch is in the off position.

5 ENGLISH SB 16/230 Subwoofer Rear-Panel Connections SB 16/230 Speaker Placement Placing the Soundbar on a Table If your tV is placed on a table, you can place the soundbar on the table directly in front of the tV stand, centered with the tV screen. attach the supplied rubber feet to the soundbar as shown in the illustration. Speaker Placement 4. attach the two wall-mount brackets to the wall at the locations you marked, using hardware that is appropriate for the wall's construction and materials. note that the soundbar weighs 3.6kg (8 lb). be sure to use hardware that can support this weight.

5. after making all of the connections described in the Connections section, on page 7, attach the soundbar to the brackets by sliding the slots in its feet onto the brackets' vertical tabs. as long as the table's surface is flat, the soundbar will rest on the rubber feet. Wall-Mounting the Soundbar If your tV is attached to a wall, you can use the included wall-mount brackets to mount the soundbar on the wall directly below the tV screen. 1.

determine the location for the soundbar on the wall. make sure that the top of the soundbar will not block your view of the tV screen when it is mounted on the wall. 2. mark the locations of the soundbar wall-mount bracket holes on the wall. @@the top and bottom holes for each bracket are spaced 25mm apart. see the illustration below. @@3. @@otherwise, select the shallow wall-mount brackets.

@@@ crossover knob Volume Knob once you find a setting for the subwoofer's Volume knob that balances the bass with the rest of the sound, you shouldn't have to change it. to set the crossover knob, listen for the smoothness of the bass. @@@@@@In this case, set the trim switch to position 3 so the soundbar will play louder. If your tV's audio signal output is high, you may hear distortion in the soundbar at normal listening volumes. In this case, set the trim switch to position 1 to reduce the distortion and improve the sound. Subwoofer Phase Switch this switch determines whether the subwoofer's piston-like action moves in and out in phase with the speakers in the soundbar. If the subwoofer were to play out of phase with the soundbar spthe fuse.

· check that the soundbar is on (the power Indicator is blue). · check that the cable connecting the tV or other source component to the soundbar is properly connected at both ends. · check that the soundbar's source selector is set to the correct source (the source Indicator turns white for source 1 analog and turns blue for source 2 digital) and that the source is playing an audio signal. · check that the system is not muted (when the system is muted, the soundbar's power Indicator flashes blue). If the system is muted, momentarily press the power button to un-mute the system. · check that the soundbar's volume is not turned all the way down (the lowest setting of the Volume down button will mute the system). · check that the subwoofer Volume control is not turned all the way down (fully counterclockwise). @@· move the subwoofer closer to the soundbar. the maximum wireless operation distance is 50 feet (15.3m).

· set the soundbar's trim switch to a lower setting. @@· set the soundbar's trim switch to a higher setting. @@· turn up the subwoofer's Volume knob. · move the subwoofer into a corner of the room. · move the subwoofer closer to the seating location.

· carefully follow steps 1 4 of Programming the Soundbar to Respond to Your TV Remote, on page 11. · hold the tV remote 12 inches (300mm) in front of the soundbar during the learning procedure. · although the soundbar will learn commands from most tV remotes, there may be some Ir codes that it cannot learn. · press the power button on either the soundbar or the tV (but not both) one time. this will put them back in sync so they will turn on and off together when you press the tV remote's power button.

If the subwoofer does not turn on: If there is no sound coming from both the soundbar and the subwoofer: If there is no sound coming from just the subwoofer: If the soundbar's sound is distorted: If the system's sound is too quiet, even when the soundbar's volume is turned all the way up: If the bass output is not loud enough: If the soundbar won't learn your tV remote's commands: If you press your tV remote's power button and the soundbar turns off when the tV turns on (or vice versa): You can find additional troubleshooting information in the FAQs link on the Support page at www.harmankardon.com. 12 Specifications SB 16/230 System Frequency response 50hz 20khz SB 16 CTR Soundbar midrange transducers high-frequency transducer amplifier power power requirement dimensions (h x w x d) weight two x 3" (75mm) cones per channel, video-shielded one x 3/4" dome per channel, video-shielded 25 watts x 2 24V dc, 2.5a 2.7a 110mm x 920mm x 89mm (4-5/16" x 36-1/4" x 3-1/2") 3.6kg (8 lb) SB 15/230 Subwoofer woofer enclosure type power requirement dimensions (h x w x d) weight 10" (254mm) cone ported 230V ac, 50hz/60hz, 100w 480mm x 380mm x 380mm (18-7/8" x 13-3/8" x 13-3/8") 15.4kg (34 lb) 13 ENGLISH SB 16/230 Specifications harman consumer, Inc. 8500 balboa boulevard, northridge, ca 91329 usa 516.255.