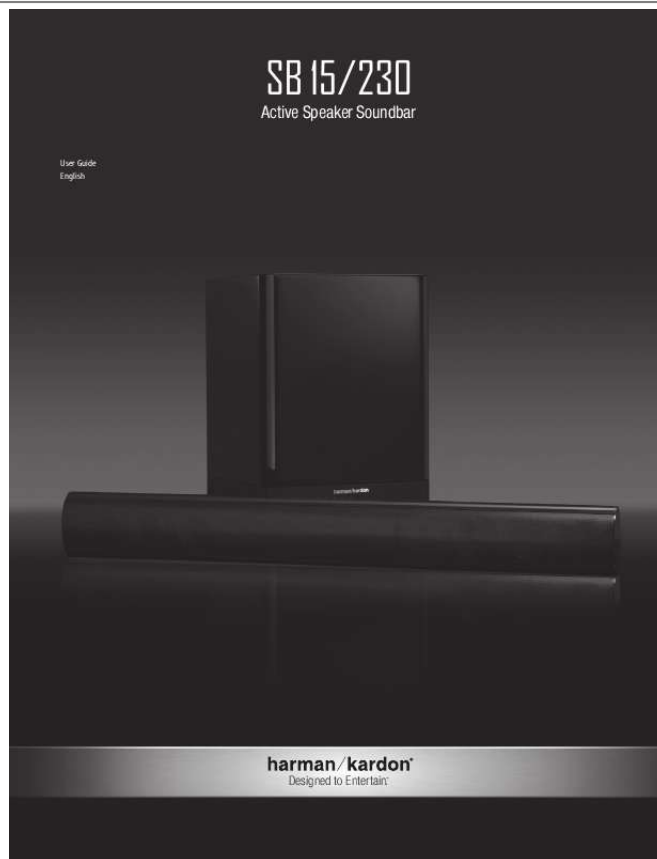




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HARMAN KARDON SB 15. You'll find the answers to all your questions on the HARMAN KARDON SB 15 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HARMAN KARDON SB 15
User guide HARMAN KARDON SB 15
Operating instructions HARMAN KARDON SB 15
Instructions for use HARMAN KARDON SB 15
Instruction manual HARMAN KARDON SB 15



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Manual abstract:

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. 12 Important Safety Instructions 1 . Read these instructions . 2 . Keep these instructions .
3 . Heed all warnings . 4 . Follow all instructions . 5 .

Do not use this apparatus near water . 6 . Clean only with a dry cloth . 7 . Do not block any ventilation openings . Install in accordance with the manufacturer's instructions . 8 . @9 . @@A polarized plug has two blades with one wider than the other . A grounding-type plug has two blades and a third grounding prong .

The wide blade or the third prong is provided for your safety . @@10 . Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus . 11 . Only use attachments/accessories specified by the manufacturer . 12 . Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus . When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over . 13 . Unplug this apparatus during lightning storms or when unused for long periods of time . THE LIGHTNING FLASH WITH AN ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAYBE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS. 14 . Refer all servicing to qualified service personnel . Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped . 15 .

Do not expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus . 16 . To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle . 17 . The mains plug of the power supply cord shall remain readily operable .

18 . Do not expose batteries to excessive heat such as sunshine, fire or the like .



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CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. THE EXCLAMATION POINT WITHIN AN EQUILA-TERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE PRODUCT. SEE MARKING ON BACK OF PRODUCT. 2 Introduction Thank you for purchasing the Harman Kardon® SB 15/230 speaker system, with which you're about to begin many years of listening enjoyment . The SB 15/230 has been custom-designed to provide the excitement and power of the cinema experience in your own living room . While sophisticated electronics and state-of-the-art speaker components are hard at work within the SB 15/230, hookup and operation are simple . To obtain maximum enjoyment from your new soundbar speaker system, we urge you to take a few minutes to read through this manual . This will help ensure that the connections you make are correct .

@@@ You can set the soundbar on a table in front of your TV, and 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 SB15SUB subwoofer receives its signal from the SB 15CTR 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 response 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-of-the-art features and time-honored circuit designs, the SB 15/230 will turn your flat-screen TV into a fun and exciting home theater . Two wall-mount brackets for the SB 15CNTR soundbar are included . **U**ME Volume Knob **M**IN **M**AX **0** **P**HASE **1**80 **P**hase Switch **W**ireless **C**ode Switch **P**OWER **O**N **A**C **F**use **P**ower **C**ord **P**ower **S**witch **O**FF **C**rossover Knob: This knob adjusts the subwoofer's crossover between 50Hz and 150Hz . The higher you set the Crossover knob, the higher in frequency the subwoofer will operate and the more its bass will "overlap" that of the soundbar . This adjustment helps achieve a smooth transition of bass frequencies between the subwoofer and the soundbar for a variety of diight .

3 . 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 .

SB15CNTR Soundbar Rear panel at least 150mm from wall **S**ubwoofer You can experiment with subwoofer placement by temporarily placing it in the listening position and playing music with strong bass content . Move around to various locations in the room while the system is playing and listen until you find the location where the bass performance is best . Place the subwoofer in that location . @@@@ Connect the DC power supply to the soundbar's power connection . @@@@2 .

@@@ Hold down the buttons to continuously raise or lower the volume . @@@@ Power Button 1 . @@2 . @@@@ This will put the subwoofer into the Standby mode . @@@@ Although it is particularly effective when watching movies, you can also try the 3D Surround setting for music . **S**urround **M**ode **B**utton **P**ower **C**ord If you will be away from home for an extended period of time, or if you will not be using the system for an extended period, set the subwoofer's Power switch to the Off position . **8** **S**ubwoofer **V**olume **K**nob Use the subwoofer's Volume knob to balance the bass with the rest of the sound . Play music or movies that you are familiar with and adjust the subwoofer's Volume knob so the bass sounds balanced on both music and films . Listen to several different music recordings and film soundtracks that contain strong bass passages and find a setting for the Volume knob that doesn't over-emphasize the bass or make it sound weak . **C**ROSSOVER **S**ubwoofer **C**rossover **K**nob The subwoofer's Crossover knob adjusts the subwoofer's crossover between 50Hz and 150Hz .

The higher you set the Crossover knob, the higher in frequency the subwoofer will operate and the more its bass will "overlap" that of the soundbar . This adjustment helps achieve a smooth transition of bass frequencies between the subwoofer and the soundbar for a variety of different rooms and subwoofer locations . **C**ROSSOVER **C**rossover **K**nob **V**OLUME **V**OLUME **V**olume **K**nob **M**IN **M**AX **M**IN **M**AX **0** **0** **P**HASE **1**80 **P**HASE **1**80 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 . **S**oundbar **T**rim **S**witch This switch adjusts the soundbar's audio input sensitivity so it will work with TVs that have different audio signal output levels . If your TV's audio signal output is low, the soundbar may not play loud enough . 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 . To set the Crossover knob, listen for the smoothness of the bass . If the bass seems too strong at certain frequencies, try a lower Crossover knob setting . If the bass seems too weak at certain frequencies, try a higher Crossover knob setting .

Subwoofer **P**hase **S**witch 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 speakers, some of the sound waves produced by the soundbar and subwoofer could be canceled out at some frequencies, reducing bass performance and sonic impact . This phenomenon depends in part on the relative placement of all the speakers in the room . **C**ROSSOVER **V**OLUME **P**hase **S**witch **T**rim **S**witch **M**IN **M**AX **0** **P**HASE **1**80 **W**ireless **C**ode **S**witches In the unlikely event that there is interference when operating the system, or if you have more than one SB 15/230 system in operation, you may change the wireless channel at which the system operates . There are four-position Wireless Code switches on both the soundbar and subwoofer .

@@@@ Before beginning to program the soundbar, have your TV remote handy . We recommend sitting down in front of the soundbar . @@@3 . @@@ This enters the learning mode . Hold down both buttons until all indicators flash TV Remote 4 . @@@ Do this a total of four (4) times . @@ . If the Power Indicator flashes amber, the procedure failed .



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Repeat Steps 1 4 . 2 . Momentarily press the soundbar's Power button . It will turn amber . @@In step 4, substitute the TV remote's Mute button for its Power button . To erase all remote programming: Hold down the soundbar's Surround Mode and Volume Up buttons at the same time for 2-3 seconds . 10 If the soundbar does not turn on: The soundbar won't learn your TV remote's commands: · Check that the soundbar power supply's AC cord is plugged into a working AC outlet, and that the power supply is plugged into the soundbar . · Check that the soundbar's Power switch is in the On position .

If the subwoofer does not turn on: · Carefully follow steps 1 4 of Programming the Soundbar to Respond to Your TV Remote, on page 9 . · 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 . If you press your TV remote's Power button and the soundbar turns off when the TV turns on (or vice versa): · Check that the subwoofer's power cord is plugged into a working AC outlet . · Check that the subwoofer's Power switch is in the On position . · Check if the subwoofer's AC fuse has blown . See Subwoofer Rear-Panel Controls: AC fuse, on page 5, for instructions on checking and changing the fuse . If there is no sound coming from both the soundbar and the subwoofer: · Check that the soundbar is on (the Power Indicator is illuminated 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 illuminates white for Source 1 analog, and illuminates 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) . Momentarily press the Power button to un-mute the system . @@@@ · Move the subwoofer closer to the soundbar . (The maximum wireless operation distance is 50 feet (15 .3m) .

If the soundbar's sound is distorted: · Set the soundbar's Trim switch to a lower setting . · Check the source component to see if the distortion is coming from it, and not the soundbar . If the system's sound is too quiet, even when the soundbar's volume is turned all the way up: · Set the soundbar's Trim switch to a higher setting . · If the TV or source component is connected via a variable output, check its instructions to be sure that the output is not turned down too low .

The bass output is not loud enough: · Turn up the subwoofer's Volume knob .

· Move the subwoofer into a corner of the room . · Move the subwoofer closer to the seating location . 11 ENGLISH Troubleshooting Specifications SB 15/230 System Frequency Response 50Hz-20kHz SB 15CNTR Soundbar Input Rating DC 24V, 2 .52 .7A Amplifier Power 25 watts x 2 Tweeter Two 3/4" domes (one per channel), video-shielded Midrange Four 3" drivers (two per channel), videoshielded Dimensions (H x W x D) 110mm x 920mm x 89mm (4-5/16" x 36-1/4" x 3-1/2") Weight 8 lb (3 .6kg) Dimensions (H x W x D) 480mm x 380mm x 380mm (18-7/8" x 13-3/8" x 13-3/8") Weight 34 lb (15 .4kg) SB 15SUB Subwoofer Input rating: AC 230V, 50Hz, 100W Amplifier Power 100 watts RMS Woofer 10" cone, vented enclosure Harman Consumer Group, Inc . 8500 Balboa Boulevard, Northridge, CA 91329 USA 516 .255 .4545 (USA only) www .

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