

The JBL logo is displayed in white, bold, sans-serif capital letters inside an orange square.

Simply Cinema™



ESC300 (230V)

simple

set-up guide

thank you for choosing JBL. For over 50 years, JBL has been involved in every aspect of musical and film recording and reproduction, from live performances to monitoring the recordings you play in your home, car, or office.

We're confident that the **JBL system** 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 your needs and expectations.

JBL Consumer Products

Troubleshooting

If there is no sound from any of the speakers, check the following:

- Make sure the subwoofer is plugged into an active AC wall outlet.
- Make sure the Master Power Switch, located on the rear of the subwoofer, is in the “On/Standby” position.
- Make sure there is a source – for example, a VCR or television hooked up to the video or auxiliary input jacks.
- Make sure that the program material is playing.
- Recheck the hookup connections in the “Speaker Connections” section.

If there is no sound from the surround speakers or it is very low, check the following:

- Check all connections between processor/amplifier and each of the speakers.
- Raise the surround volume from the remote control (see “Operation” section).
- Make sure the TV show or movie you are watching is recorded in Dolby Surround. If it is not, try the Phantom or Simulated surround mode.

If there is no sound from the center speaker, check the following:

- Make sure that the processor is in the Pro Logic, 3 Stereo, or Simulated mode. If it is in Phantom or Stereo mode, the center speaker will not play.
- Check the connections between the subwoofer and the center speaker.

If you have low bass output, check the following:

- Experiment with placement of the subwoofer. Remember, place the subwoofer in a corner to get maximum bass output from the system.
- Increase the level of bass, using the remote control.

Specifications

ESC300 System

Amplifier

200 watts total system output;
front channels:
35 watts x 3 @ .1% THD;
surround channels:
15 watts x 2 @ .1% THD;
subwoofer:
65 watts x 1 @ 1% THD

Signal-to-Noise Ratio

90dB

Input Impedance

20k ohms

Input Sensitivity

400mV

Auto Turn-on Sensitivity

2mV/channel

System Frequency

Response (-6dB)

35Hz – 20kHz

Subwoofer

Dimensions (HxWxD)

15-1/8 x 13 x 14-1/2 inches
384 x 330 x 368mm

Weight

34.5 lbs/15.7 kg

Satellites (each)

Dimensions (HxWxD)

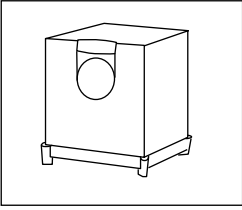
4-3/8 x 3-3/16 x 3-3/4 inches
111 x 81 x 95mm

Weight

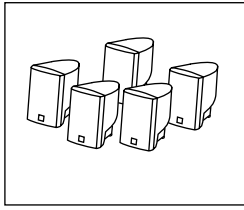
.8 lbs/.4 kg

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

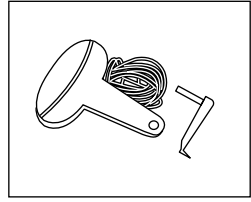
included



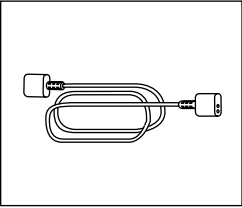
"Smart" powered subwoofer/controller.



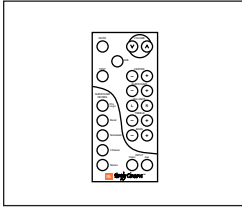
Five satellites for left, right, center and surrounds.



Foot for horizontal placement of center speaker. Versatile remote sensor, and double-sided tape provided.



JBL "error free" speaker cables. Extension cable XC300 available in 10-ft. length in either white or black.



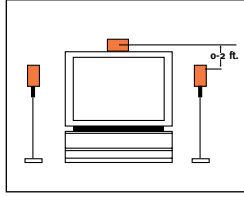
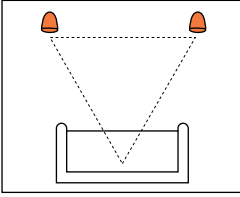
Remote control.

features

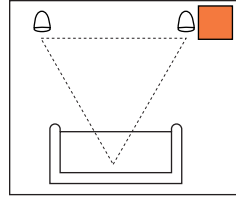
- Dolby* Pro Logic* processor with additional Phantom, Simulated, 3-Stereo, and Stereo Surround modes.
- Six channels of amplification for all speakers and subwoofer.
- Five identical, 2-way micro-satellites with titanium tweeters.
- Full-function remote control.
- Remote sensor with connection wire for easy placement.

one. Speaker Placement

Satellites

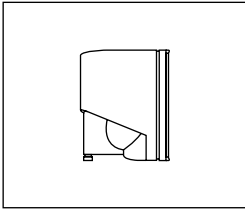


Subwoofer

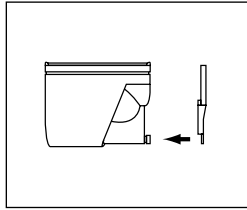


Mounting Remote Sensor to Center Speaker.

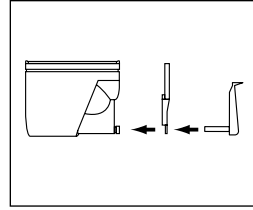
If desired, the remote sensor may be placed anywhere using the supplied double-sided tape.



Center speaker.

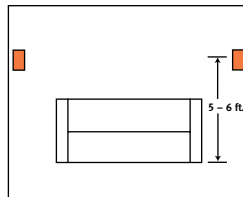
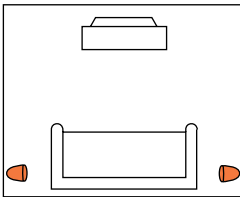


Place remote sensor at bottom of center speaker.



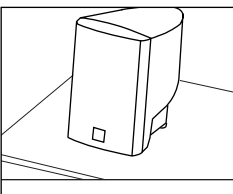
Insert support leg through remote sensor and into speaker.

Surround Speakers

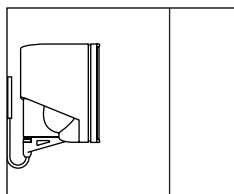


Mounting Options

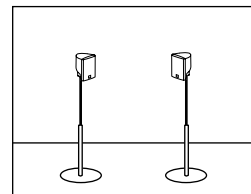
Satellites and Surrounds



On shelves.



On the wall. Optional bracket. WB300 or WB300WHT (white).



On optional stands. FS300 or FS300WHT (white).

Surround Modes

Dolby Pro Logic

Use this mode for films recorded using Dolby Pro Logic Surround. The surround channels have a 20-ms delay.

Phantom

This mode creates surround sound from stereo recordings. The center channel is not used and the surround channels have a 20-ms delay.

Simulated

This mode provides surround sound with no delay for the surround speakers. This is not a Dolby mode.

3-Stereo Mode

Use this mode to play back Pro Logic-encoded films when you do not want the surround channels to play.

Stereo

This mode plays a recording in traditional two-channel stereo.

Test Tone

The test tone is used to calibrate the volume settings of the speakers. A static noise will be heard cycling, in order, from the front left, center, right, and both surround speakers.

Using the remote control, adjust the Center and Surround levels until the volume of all the speakers is the same during the test.

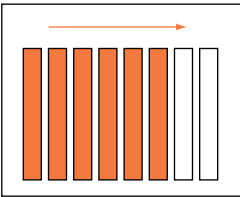
Note: The test tone is used to calibrate the performance of the system. When listening to an actual recording, the volume level of the surround channels is generally much lower than that of the front channels. In fact, when listening to a movie, virtually all of the dialogue and a substantial amount of the effects are reproduced through the center channel.

Status Bar Indicators

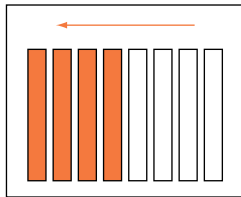
LED Bar Indicators illuminate in response to adjustments in volume, balance, center level, surround level, bass, and treble controls.

Volume

Increase

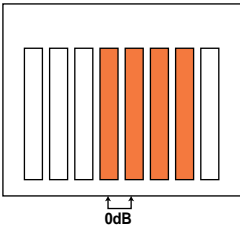


Decrease

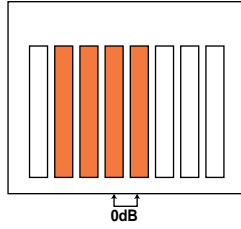


Bass, Treble, Center Level, and Surround Level

Increase

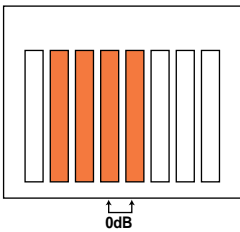


Decrease

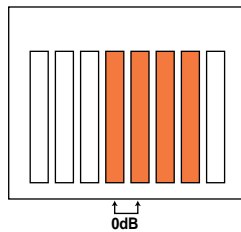


Balance

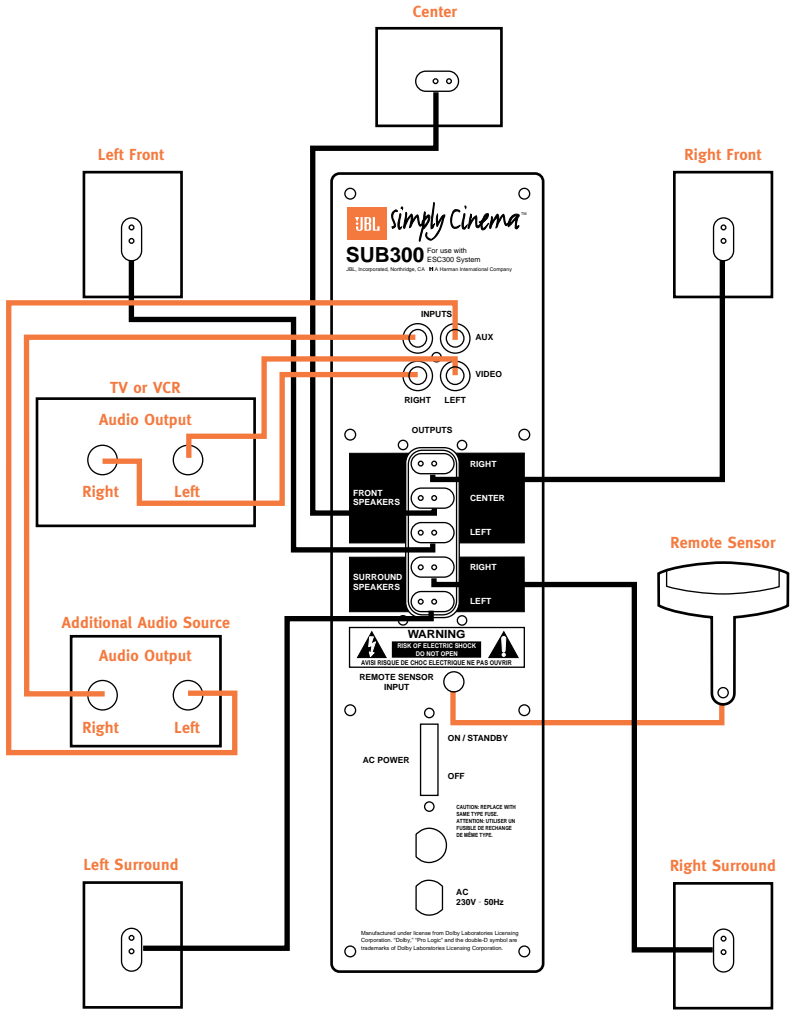
Left



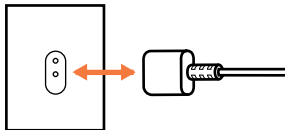
Right



two. Speaker Connections (rear panel of subwoofer)

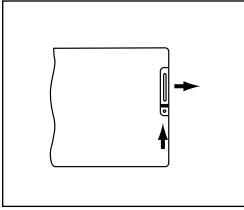


Speaker and Amplifier Connection

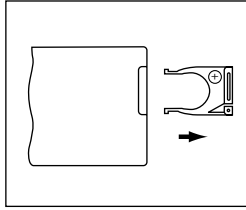


three. Operation

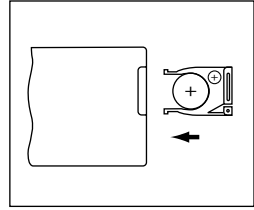
Remote Control Battery Installation.



Push small tab towards battery slot and pull battery drawer out.

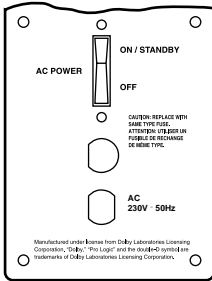


Remove old battery.



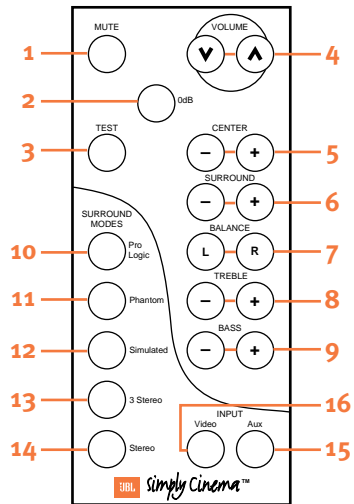
Insert new battery with "+" side up, and slide battery drawer back into remote.

Rear Panel Control



Master On/Off Switch

To operate unit, place this switch in the On/Standby position. The system will go into standby when no signal has been received for approximately five minutes.



Remote Control

1. Mute

From either the front panel or the remote control, press (Mute) to lower the volume completely. The mute symbol indicator (27) will begin to flash. When you press either of the mute buttons again, the volume will return to its previous setting. **Note:** The mute function can also be turned off by pressing either of the volume buttons on the front panel or the remote control.

2. 0dB

Press this button to reset the Center, Surround, Balance, Treble, and Bass controls to their default positions.

3. Test

Press this button to activate the Test Tone mode (see "Test Tone" section).

4. Volume

Press (^) on the remote control or the front panel to raise the system's volume. Press (v) on the remote control or the front panel to lower the system's volume.

5. Center

Press (+) on the remote control to increase the relative volume of the center channel. Press (-) on the remote control to decrease the relative volume of the center channel.

6. Surround

Press (+) on the remote control to increase the relative volume of the surround channels. Press (-) on the remote control to decrease the relative volume of the surround channels.

7. Balance

Press (R) on the remote control to decrease the volume of the left channel. Press (L) on the remote control to decrease the volume of the right channel.

8. Treble

Press (+) to increase the level of high-frequency information. Press (-) to decrease the level of high-frequency information.

9. Bass

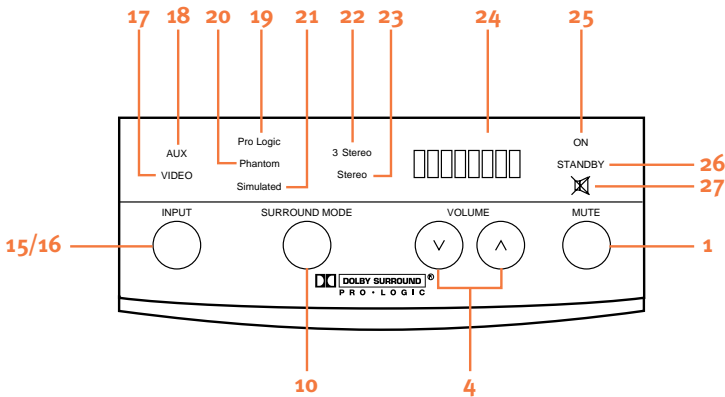
Press (+) to increase the level of low-frequency information. Press (-) to decrease the level of low-frequency information.

10–14. Surround Modes

From the remote, press one of these buttons to directly choose the desired surround mode (see “Surround Modes” section). From the front panel, press (Surround Mode) to cycle between the surround modes.

15–16. Input Selector

From the remote, press either (Aux) or (Video) to select the desired input. From the front panel, press (Input) to select the desired input.



Front Panel Indicators

17–18. Input

Either Video or Aux will illuminate, depending on which input is chosen.

19–23. Surround

One of these will illuminate, depending on which surround mode is chosen.

24. Status Bar Indicators

These LEDs show the relative setting of volume, balance, center level, surround level, bass and treble controls (see “Status Bar Indicators” section).

25. On

This will illuminate when the Master On/Off is switched to On/Standby and a signal is present.

26. Standby

This will illuminate when the Master On/Off is switched to On/Standby and a signal is not present.

27. Mute Symbol

This will flash whenever the Mute feature is engaged.



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Declaration of Conformity



We, JBL Europe A/S
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DENMARK

declare in own responsibility, that the products described in this owner's manual are in compliance with technical standards:

EN 55 013/6.1990

EN 55 020/6.1988

EN 55 022/6.1993

EN 60 065/1994

EN 60 555-2-3/1987/88

Steen Michaelsen
JBL Europe A/S
Birkerød, DENMARK, 1/97