



OWNER'S GUIDE

PRODUCT LINE:

NORTHRIDGE SERIES

MODEL NUMBERS:

N28, N38, ND310

PRO SOUND COMES HOME™

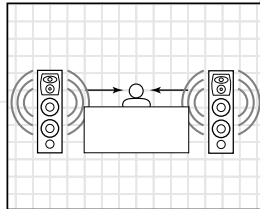
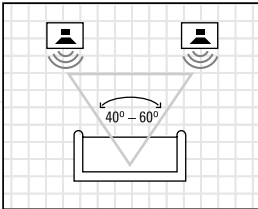
SPEAKER PLACEMENT

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.

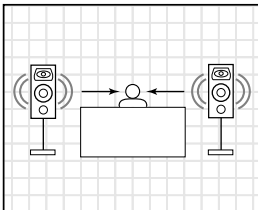
All of the Northridge Series loudspeakers referred to in this guide are video-shielded and can safely be placed near a television.

MODELS: N38, ND310

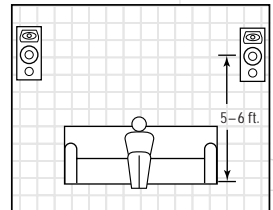
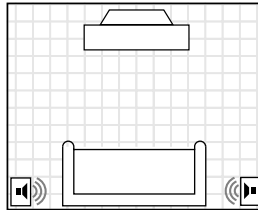


MODEL: N28

As Front Speakers

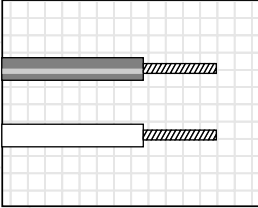


As Surround Speakers



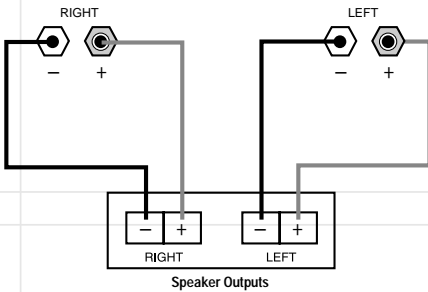
SPEAKER CONNECTIONS

CONNECTION TIPS



Speakers and electronics terminals have corresponding (+) and (-) terminals. 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.



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.

If there is no sound coming from one speaker:

- Check the "Balance" control on your receiver/amplifier.
- 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.

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

- 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.
- If more than one pair of main speakers is being used, check the minimum impedance requirements of your receiver/amplifier.

If there is no (or low) bass output:

- Make sure the polarities (+ and -) of the left and right "Speaker Inputs" are connected properly.

If there is no sound from the center speaker:

- Make sure that your receiver's "Center-Channel" mode is in the "Normal" or "Wide" position. If it is in the "Phantom" position, the center speaker will not play.
- Check all connections between processor/amplifier and the center speaker.

Declaration of Conformity



We, JBL Europe A/S
Kongevejen 194B
DK-3460 Birkerød
DENMARK

declare in own responsibility, that the loudspeakers described in this owner's manual are in compliance with technical standards
EN 50081-1:1992
EN 50082-1:1992



Steen Michaelsen
JBL Europe A/S
Birkerød, DENMARK, 8/99

SPECIFICATIONS

	N28	N38	ND310
Description:	2-Way 8" bookshelf	3-Way 8" floorstanding	3-Way dual 10" floorstanding
Maximum Recommended Amplifier Power*:	150W	175W	250W
Nominal Impedance:	8 Ohms	8 Ohms	8 Ohms
Sensitivity (2.83V/1m):	90dB	90dB	91dB
Frequency Response (-3dB):	50Hz – 20kHz	45Hz – 20kHz	37Hz – 20kHz
Crossover Frequency:	4000Hz	1000, 5000Hz	1000, 5000Hz
High-Frequency Transducer:	3/4" Titanium-laminate dome, shielded	3/4" Titanium-laminate dome, shielded	3/4" Titanium-laminate dome, shielded
Midrange Transducer:	NA	4" PolyPlas™, shielded	4" PolyPlas™, shielded
Low-Frequency Transducer:	8" PolyPlas™, shielded	8" PolyPlas™, shielded	10" PolyPlas™, shielded
Baffles:	Low Diffraction, IsoPower™	Low Diffraction, IsoPower™	Low Diffraction, IsoPower™
Port:	FreeFlow™ flared	FreeFlow™ flared	FreeFlow™ flared
Network:	Straight-Line Signal Path™ (SSP)	Straight-Line Signal Path™ (SSP)	Straight-Line Signal Path™ (SSP)
Terminals:	5-Way binding posts	5-Way binding posts	5-Way binding posts
Dimensions (H x W x D):	19-1/2" x 12" x 9-1/2" 495mm x 305mm x 241mm	31-1/2" x 12" x 10-1/2" 800mm x 305mm x 267mm	42" x 14-1/2" x 12-1/2" 1067mm x 368mm x 318mm
Weight:	22.5lbs, 10.2kgs	35lbs, 15.9kgs	55lbs, 25kgs

*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.

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

JBL	PRO SOUND COMES HOME™
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