



# **LS205EB**

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## **INSTALLATION/OWNERS MANUAL**

**2-Way Bookshelf Loudspeaker**





# Introduction

### Introduction

Thank you for your purchase of the DUAL LS205EB loudspeaker. Dual speakers are designed and manufactured to deliver refined musical sound and provide true home theater excitement.

Dual audio products are constructed using the finest quality components and we are proud of our custom designed drivers that provide you with clarity, balance and superior response. Every DUAL loudspeaker undergoes rigorous testing and quality controls at the factory to ensure you years of listening pleasure.

Please take a moment to read this manual prior to installing your new speakers. The information provided will help you obtain maximum performance from your new DUAL speakers.

For simplicity, we will call your AV receiver, or amplifier the receiver.

### Important

Dual speakers are designed for indoor use only.

It is important to turn off the power to your receiver before connecting the speakers to your system.



## Placement

### Indoor Placement

The DUAL LS205EB can be placed in any convenient location in your home - as stereo pairs on either side of your receiver - as surround speakers in home theater surround sound systems that include a subwoofer - or as remote speakers.

You should experiment with various placements. Room acoustics can produce large apparent differences in the sound for small changes in the placement location. For example, although the speaker may be located at any height above the floor, locating the tweeter near ear level (32" – 36" is optimum) or angling the entire speaker toward ear level, often provides the most realistic imaging experience. The amount of bass perceived increases as you move a speaker closer to intersecting room surfaces (walls, ceiling, floor) and the highest level of bass results are realized from placement in a corner at the floor or ceiling.



# Connecting Speakers

### Connecting Your Speakers

**Speaker Cable** -Typical speaker cable has a pair of separate speaker wires with insulating jackets that are molded together. We recommend you use 18-gauge speaker wire for hooking your speakers to your receiver.

**Polarity** - All speakers in a system must be connected with the same polarity. Speaker wire is marked for polarity so that you can identify the individual wires in the molded pair. Polarity is shown by a color stripe on the insulation, by ridges molded into the insulation, or by the colors of the wires—one copper and one silver.

**Important** - Always connect the red (+) terminal on the receiver to the red (+) terminal on the back of the DUAL LS205EB, and the black (-) terminal on the receiver to the black (-) terminal on the back of the DUAL LS205EB.



## Troubleshooting

### Distortion/Knocking

If you believe you hear obvious distortion or knocking sounds, immediately lower the volume level of your receiver. Those sounds often indicate that either the receiver or the speaker is being overdriven and damage can result in playing your source material (Music-CD's-DVD) at high volumes. You should avoid turning the bass or treble controls fully up or using your "Loudness button" when the volume level also is turned up. This can lead to costly loudspeaker failure.

Distorted or unnatural sound can indicate poor connections or a speaker failure. If only one of your speakers has poor sound quality, check the connections. If that doesn't fix the problem, try putting each speaker in place of one another. If the sound remains poor on the suspect speaker and the distortion moves to the new position, the speaker has a problem. If the sound is OK, it is probably the receiver or the speaker wiring that is causing the poor sound at the original location.



## Limited Two-Year Warranty

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This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Namsung America Inc. warrants this product to the original purchaser to be free from defects in material and workmanship, under normal conditions, for a period of two years from the date of the original purchase. Namsung America agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new or renewed product in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase.

### During the Two-Year Warranty Period

For two years from the date of purchase, your product will be replaced with a new, renewed or comparable product (whichever is deemed necessary) if it becomes defective or inoperative. This is done without charge to you. Replacement products are warranted for the balance of the original warranty period.

### Who is covered?

This warranty is extended to the original retail purchaser for products purchased and used in the U.S.A., in the 48 contiguous states ONLY.

### What is covered?

This warranty covers all defects in material and workmanship in this product. The following are not covered: installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product.

### What to do?

If the product requires warranty service, you must prepay the initial shipping charges. DUAL will pay the return shipping charges if the product is returned to an address within the USA.

Namsung America Inc.  
Attn: Returns Center  
21318 64th Ave. South  
Kent, WA 98032 U.S.A.  
Toll Free: 1-866-626-7863

### Exclusion of Certain Damages

This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.



## Specifications

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Woofers **5.25"** PVA treated

Tweeters **1"** piezo dome

Impedance (nominal) **8 ohms**

Frequency Response **75Hz-20kHz ±3dB**

Sensitivity **87dB**

Power Handling\* **80 watts (RMS) - 160 watts (IPP)**

Shielded **No**

Enclosure Dimensions (H x W x D) **9.25" x 6.50" x 7.2"**

Product Weight **4.2 lbs**

Finish **Black wood grain vinyl**

\* Power handling is based on amplifier volume never being set above the point of audible distortion.

All Rights Reserved. All specifications subject to change without notice.



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