



# LU63PB/PW

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## INSTALLATION/OWNER'S MANUAL

Indoor/Outdoor 3-Way Loudspeakers





# Introduction

**Introduction** The Dual LU63 speakers are designed to deliver accurate high fidelity sound in exterior or interior environments. Weather-resistant design and construction provide optimum durability for permanent or temporary outdoor use.

**Important** The grilles are not designed or intended to be removed. Do not remove the grilles from your speakers. There are no user-serviceable parts behind the grille and removal will damage the speaker.

**Warranty Coverage** You must have proof of purchase to receive warranty service. Please keep your original sales receipt and be prepared to provide this receipt in the event you require service.

**For Your Records** Model \_\_\_\_\_

Dealer Name \_\_\_\_\_

Dealer Phone \_\_\_\_\_

Purchase Date \_\_\_\_\_

Note: You may want to keep your original sales receipt or a photo copy with this installation/owner's manual.

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## Speaker Placement

### Mounting Placement

Mounting both speakers on a common solid surface facing the listening area will provide the best audio results.

Do NOT mount speakers on surfaces that have hazards such as electrical wires or plumbing behind them. Be sure that your mounting surface is capable of supporting the weight of the speakers.

### Wall and Ceiling Placement

Mounting brackets are included for wall and ceiling applications. The LU63 speakers have two standard 1/4-20 brass inserts incorporated into the rear of the enclosure for aftermarket mounting systems.

### Experiment for Better Sound

We recommend that you take the time to experiment with different speaker placements. Sound quality and imaging are widely dependent on the location of your speakers as well as room acoustics. Angling each speaker toward the listening position often provides the most realistic imaging experience. The amount of perceived bass increases as you move a speaker closer to solid intersecting room surfaces (wall, ceiling, floor).



## Placement & Mounting Speakers

### Outdoor Placement



The DUAL LU63 has been tested for environmental usage and is deemed weather resistant, but not waterproof. Occasional moisture will not affect performance. The speakers should always be allowed to ventilate and dry after water exposure.

The speakers can be placed permanently outdoors for year-round enjoyment. To maximize speaker life, position in areas protected from the elements, such as the underside of eaves or overhangs. Popular locations include decks, gazebos, porches, atriums, garages, and covered spa areas.

For temporary placement, remove the speaker from the mounting brackets and replace the thumb screws to maintain stability if placing the speakers on end.

Each speaker has a DUAL logo that can be rotated. The logo is located on the face of the grille and comes positioned for vertical installation. If mounting the speakers horizontally, we recommend rotating the logo accordingly.

The logo is spring-loaded. To rotate, elevate both ends equally by placing your fingernail under and lifting lightly. While the logo is elevated, turn the logo to the desired orientation and release.

### Mounting Your Speakers



For ease of installation, we have included an easily removable mounting bracket. Once mounted, the bracket allows the speaker to be angled to its ideal position. The included thumb screws will hold the selected speaker position when properly tightened.

Before attempting the installation, carefully evaluate the mounting surface to ensure that its composition and construction are capable of safely supporting the weight of the speaker. If you are unsure about the type of mounting hardware to use, consult a professional contractor or a knowledgeable hardware store.

*Note: Anchors and screws needed to mount brackets are not included and must be purchased separately.*

## Connecting Speakers

### Connecting Your Speakers



LU63PB

**Speaker Wire** -We recommend the use of two conductor 18-gauge speaker wire to connect the speakers to your receiver. When connecting the speakers in a stereo configuration, the wire length should be similar. One length should not be dramatically longer or shorter than the other. Maintaining similar wire lengths will provide superior sound quality.

**Polarity** - Speaker wire polarity is indicated by either a color stripe on the insulation, ridges molded into one side of the insulation, the color of the insulation case around the wire, or by the color of the wire itself (copper or silver).

Connect speaker wire using the positive (+) terminal on the receiver to the positive (+) speaker terminal, and the negative (-) terminal on the receiver to the negative (-) speaker terminal. All speakers in a system must be connected with the same relative polarity.

**Connection** - It is recommended that the speaker wire insulation be stripped back approximately 3/8", allowing the wire conductor to make a proper connection. The gold terminals have red (positive) and black (negative) polarity indicators. Loosen the gold terminals by turning counter-clockwise. Insert the wire end and re-tighten.

Banana style connectors may also be used. The connection is made by connecting the speaker wire to the banana plugs, and then inserting the banana plug into the top portion of the binding posts.

*Note: Do not allow the positive and negative speaker wire from the receiver to make contact at any time, as this will cause a short.*



## Troubleshooting & Specifications

### Distortion/Knocking

If you hear obvious distortion from the speakers, immediately lower the volume level of your receiver. Distortion often indicate that either the receiver or the speaker is being overdriven, and damage can result in playing your source material (music-CDs-DVD-MP3) at high volume levels for prolonged periods of time. You should also avoid turning the bass or treble controls up and using your "Loudness button" when the volume level is at or above normal listening levels.

*Note: The Loudness button on most receivers is designed to add depth when your system is being used for background music or at very low volume.*

Distorted or unnatural sound can indicate poor connections, defective electronics, damaged source material or speaker failure. If only one speaker has poor sound quality, check the speaker wire and audio connections. If that doesn't fix the problem, try putting each speaker in place of one another (swapping). If the sound remains poor on the suspect speaker after swapping location and the distortion moves with the speaker to the new location, the speaker may be the problem. If the distortion remains in the original location then the problem is elsewhere in your audio/video system.

### Specifications

Model **LU63**

Frequency Response **60Hz-20kHz**

Woofer **6.5" Polypropylene with rubber surround**

Midrange **25mm polypropylene**

Tweeter **20mm Piezo Dome**

Sensitivity **89dB**

Nominal Impedance **8 ohms**

Power Handling **140 Watts**

Dimensions (Inches H x W x D) **11" x 7 7/16" x 7 3/4"**

Weight **3.9 lbs.**

Finish **Black or White**

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

# 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.

Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of two years from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent 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.

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?

1. Before you call for service, check the troubleshooting guide in your owner's manual. A slight adjustment of any custom controls or connections discussed in your instruction booklet may save you a service call.

2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.

3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.

4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

Call us toll-free at 1-866-382-5476

E-mail us at [cs@dualav.com](mailto:cs@dualav.com)

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.



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