



# L100 Classic 80 3-Way 12-inch (300mm) Bookshelf Loudspeaker

## Quick Start Guide



www.jbl.com/home-audio/

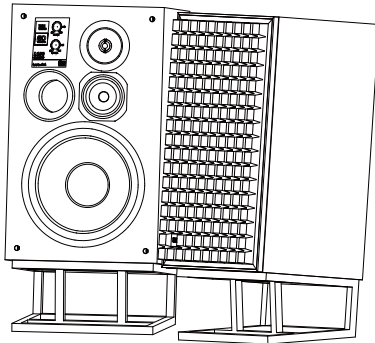
### Overview

For more information on the set-up and operation of this product refer to the product page on the [www.jbl.com/home-audio/](http://www.jbl.com/home-audio/) website. Should further assistance be required feel free to contact customer support at the numbers below.

|                            |                  |
|----------------------------|------------------|
| Inside the US and Canada:  | +1 888.691.4171  |
| Outside the US and Canada: | +44 1707 668 012 |

### Box Contents

- 2x L100 Classic 80 Loudspeakers
- 2x Quadrex Foam Grilles
- 2x JS-150 Speaker Stands
- 1x Quick Start Guide (This Document)

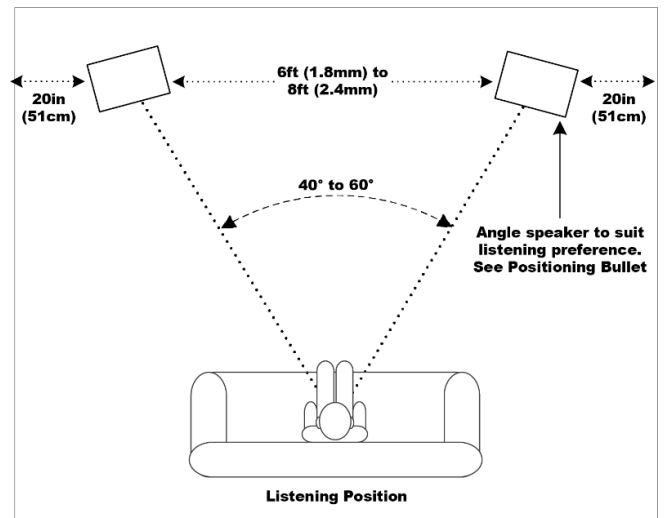


### Specifications

|                                     |  |
|-------------------------------------|--|
| <b>Type:</b>                        | 12-inch (300mm) 3-way bookshelf loudspeaker  |
| <b>Low Frequency Driver:</b>        | 12-inch (300mm) cast-frame Pure Pulp cone woofer with Dual Spider (JW300SW-8)          |
| <b>Mid Frequency Driver:</b>        | 5-1/4-inch (130mm) Polymer-coated, Pure Pulp cone (JM125PC-8)                          |
| <b>High Frequency Driver:</b>       | 1-inch (25 mm) Titanium dome tweeter mated to acoustic lens and waveguide (JT025Ti2-4) |
| <b>Recommended Amplifier Power:</b> | 25-200 Watts RMS   |
| <b>Impedance:</b>                   | 4 ohms   |
| <b>Loudspeaker Sensitivity:</b>     | 90dB   |
| <b>Frequency Response:</b>          | 40Hz-40kHz (-6dB)  |
| <b>Crossover Frequency:</b>         | 450Hz, 3.5kHz  |
| <b>Finish:</b>                      | Natural Oak veneer with Brown Quadrex Foam Grille                                      |
| <b>Dimensions (With Grille):</b>    | 25.3" H x 15.4" W x 14.4" D<br>(642.9mm x 389.9mm x 365.1mm)                           |
| <b>Controls:</b>                    | Attenuators for MF and HF Drivers  |
| <b>Input Type:</b>                  | Dual sets of gold-plated Binding Posts   |
| <b>Product Weight (Each):</b>       | 63 lb (28.6 kg) each   |
| <b>Shipping Weight:</b>             | 179 lb (81 kg)   |
| <b>Shipping Units of Measure:</b>   | Pair   |
| <b>Speaker Stand:</b>               | JS-150   |

### Placement and Positioning

- Before deciding where to place your speakers, survey your room and think about placement, using the illustration as a guide.
- Avoid placing the speakers near power amplifiers, heat registers or other objects that generate large amounts of heat.
- Avoid placing speakers in humid or dusty locations.
- Avoid placing speakers in direct sunlight or other intense light.
- Refer to the illustration for distances from walls, between the speakers, and angle to the listening position.
- The speakers should be raised so that the tweeter is approximately at ear level. The JS-150 speaker stand can be used to achieve the proper listening height and angle.
- Angle the speakers towards the listening position closer to the listeners ears for a stronger center image and away from the listening position further from the listeners ears for a more spacious image.

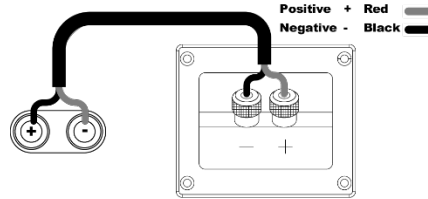


# Wiring and Connections

## IMPORTANT! Wiring Precautions

- Ensure that the positive (+) and negative (-) bare wire or spades **DO NOT** touch when connected to the binding posts as this will short out the amplifier channel.
- Ensure that the appropriate polarity is maintained from amplifier to speaker to ensure proper polarity for both speakers.

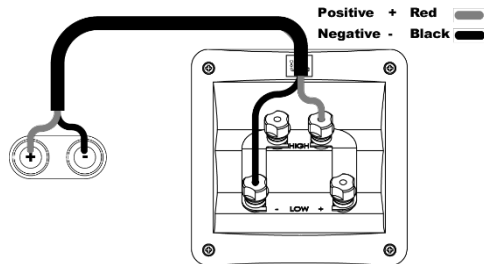
## Basic Single-Wire Connection



## 4 Post Terminals

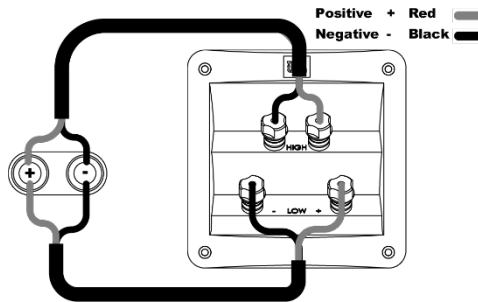
### 2-Wire Connections

We recommend using HF Positive and LF Negative.



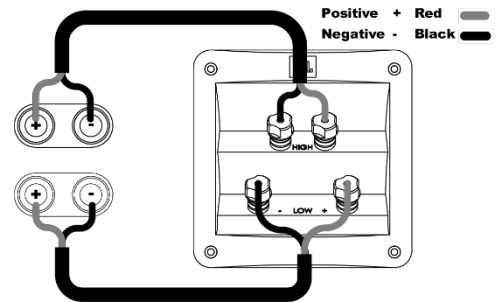
### B-Wire Connections

Remove terminal straps before connecting.



### Bi-Amp Connections

Remove terminal straps before connecting.



## Controls and Adjustments

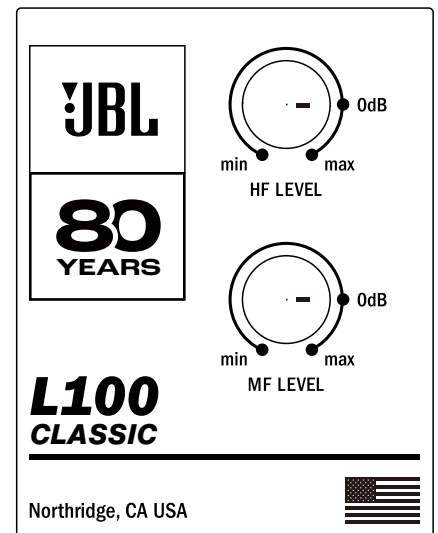
This speaker features level controls that can be used to adjust the level of the mid-range driver and tweeter independently from the level of the woofer. The default setting of 0dB represents a flat balance between all three drivers, however in some cases there may be a need to adjust the level of the tweeter and/or mid-range driver.

### Mid Frequencies (MF Level) Adjustments

- For rooms where the mid frequencies sound more forward, lower the relative MF level by turning the knob counterclockwise.
- For rooms where the mid frequencies require more presence, raise the relative MF level by turning the knob clockwise.

### High Frequencies (HF Level) Adjustments

- For rooms where the high frequencies sound bright, lower the relative HF level by turning the knob counterclockwise.
- For rooms where the high frequencies sound dim, raise the relative HF level by turning the knob clockwise.



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