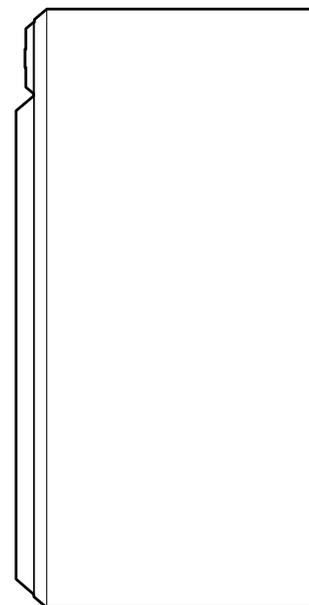
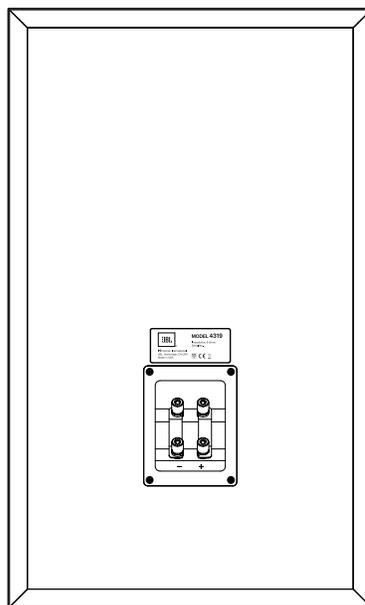
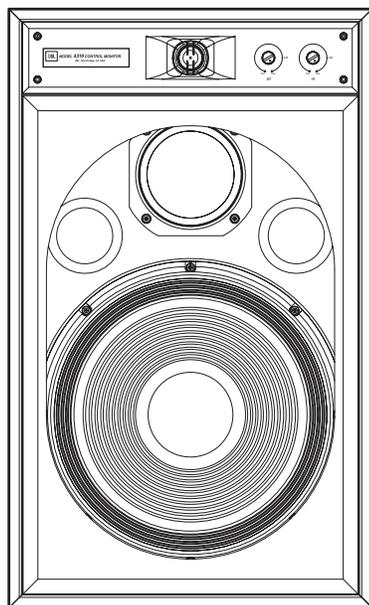




# MODEL 4319

12-inch, 3-way studio monitor



## QUICK-START GUIDE

### THANK YOU FOR CHOOSING THIS JBL® PRODUCT

Thank you for purchasing the JBL® three-way studio monitor 4319.

For more than 60 years, JBL engineers have been providing audio equipment for concert halls, recording studios and movie theatres around the world, and JBL products have become the hands-down choice of leading recording artists and sound engineers. The 4319 is a new member of the family of JBL bookshelf

studio-monitor speakers that dates back to 1968 with the original model 4310 control monitor. To get the best performance from your new studio monitor, please read these instructions thoroughly.

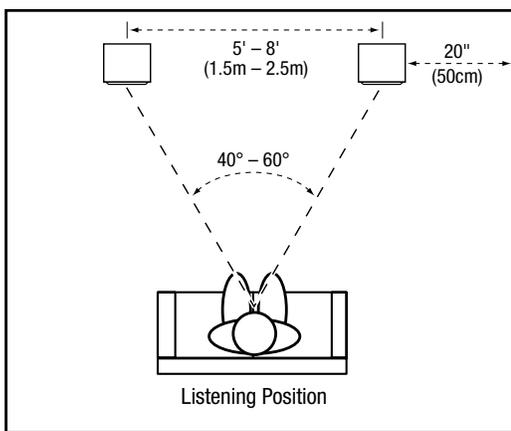
## PACKAGE CONTENTS

Each JBL 4319 box contains one (1) JBL 4319 studio-monitor speaker. If you suspect that there has been shipping damage, report it immediately to your dealer. We recommend that you keep the box and packing materials for future use.

## PLACEMENT

**CAUTION: The 4319 weighs 35.9 lb (16.3kg). Before placing the speaker on a shelf or platform, be sure that it is sturdy enough to support the speaker's weight.**

Before deciding where to place your speakers, survey your room and think about placement, using the illustration below as a guide.



- Avoid placing the speakers near power amplifiers, heat registers or other objects that generate large amounts of heat.
- Do not place the speakers in very humid or dusty places.
- Do not place the speakers in direct sunlight or other strong light.
- The 4319 is not video-shielded and may cause picture discoloration or distortion if placed close to some types of TVs. If this occurs, move the speakers away from the TV until the discoloration or distortion disappears.
- For best results, place the speakers 5 - 8 feet (1.5 - 2.5 metres) apart. If you place the speakers farther apart than this, angle them toward the listening position.
- The speakers will produce the most accurate stereo soundstage when the angle between the listener and the speakers is between 40 and 60 degrees.
- Position each speaker so that its tweeter is approximately at ear level.
- Generally, bass output will increase as the speaker is moved closer to a wall or corner. For best performance, we recommend that you place the speakers at least 20 inches (50cm) away from the side walls.

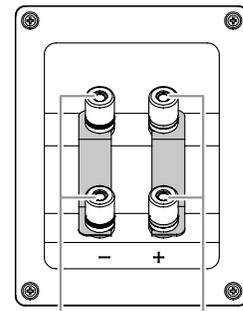
## CONNECTIONS

**CAUTION: Make sure that all of the system's electrical components are turned OFF (and preferably unplugged from their AC outlets) before making any connections.**

Speakers and amplifiers have corresponding positive and negative (“+” and “-”) connection terminals. The 4319 has two sets of connection terminals that are marked “+” and “-” on the terminal assembly. Additionally, the “+” terminals have red rings, while the “-” terminals have black rings. See the illustration on the right.

The 4319 is designed so that a positive voltage at the “+” (red) terminal will cause the speaker drivers to move outward (toward the room).

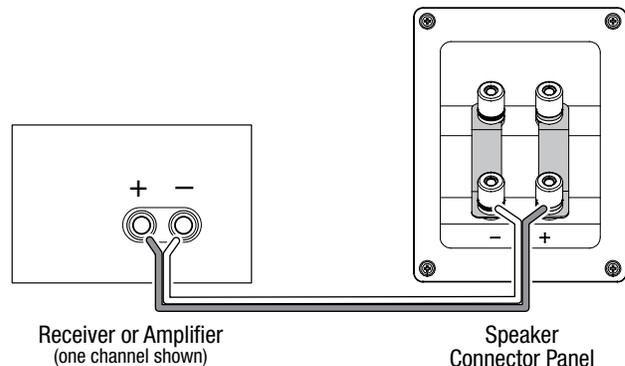
We recommend using a high-quality speaker wire with polarity coding. The side of the wire with a ridge or other coding is usually considered positive polarity (“+”).



Negative (-) Terminals      Positive (+) Terminals

To ensure proper polarity, connect each “+” terminal on the back of the amplifier or receiver to the respective “+” (red) terminal on each speaker. Connect the “-” (black) terminals in a similar way. See your receiver or amplifier's owner's manual to confirm its connection procedures.

## BASIC SINGLE-WIRE CONNECTION



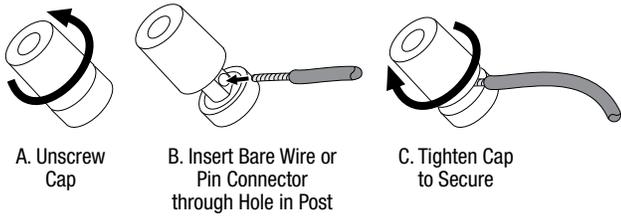
Connect the amplifier to each speaker as shown in the illustration on the right. You can use either set of terminals on the speaker. NOTE: Do not remove the metal jumpers from between the two sets of terminals when connecting the speaker wires.

**IMPORTANT:** Do not reverse polarities (i.e., “+” to “-” or “-” to “+”) when making connections. Doing so will cause poor stereo imaging and diminished bass performance.

The 4319's gold-plated speaker terminals can accept a variety of wire connector types: bare wire, spade connectors, pin connectors and banana connectors.

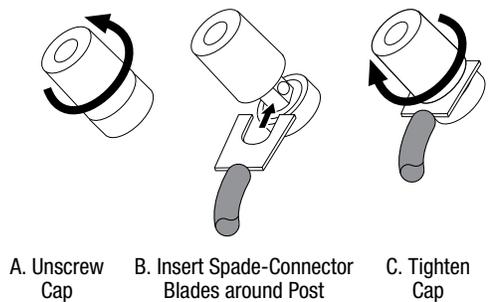
### Using Bare Wire or Pin Connectors

IMPORTANT: Make sure that the (+) and (-) wires or pins do not touch each other or the other terminal. Touching wires can cause a short circuit that can damage your receiver or amplifier.

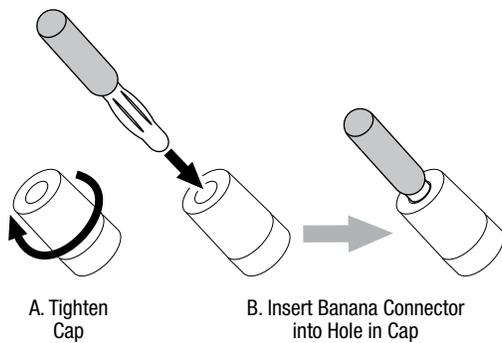


### Using Spade Connectors

IMPORTANT: Make sure the (+) and (-) spade-connector blades do not touch each other or the other terminal. Touching blades can cause a short circuit that can damage your receiver or amplifier.



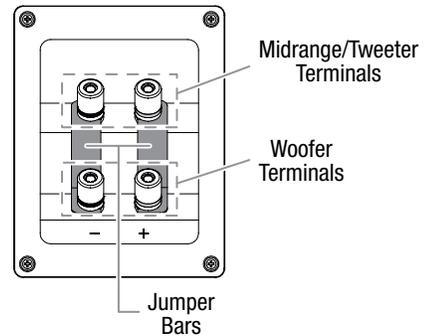
### Using Banana Connectors



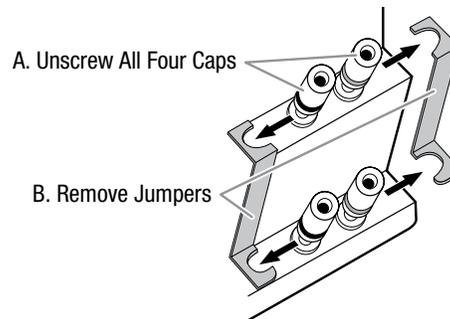
### Bi-Wire Connection

The 4319 connection assembly has two sets of input terminals that are connected by metal jumper bars. The upper set of terminals is for the midrange/tweeter, and the lower set of terminals is for the woofer.

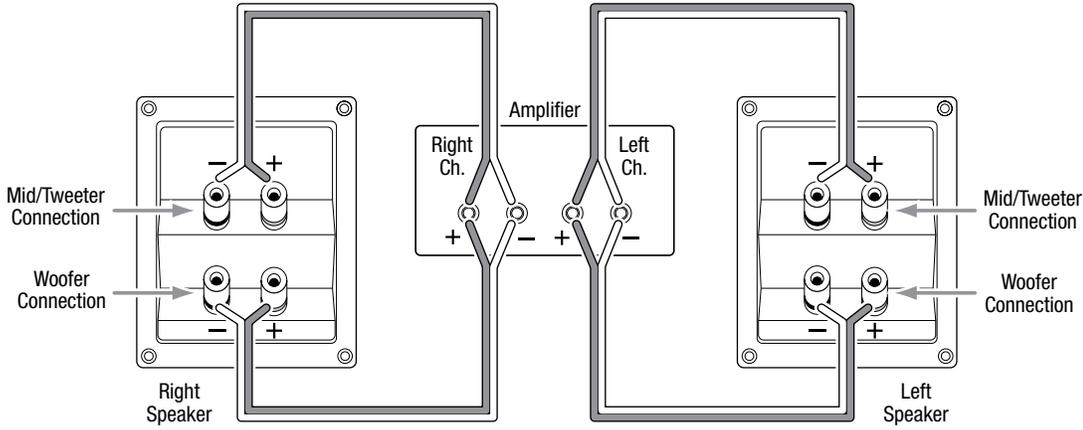
This arrangement allows you to bi-wire the speakers using a single stereo amplifier or two stereo amplifiers. Bi-wiring can offer sonic advantages and more flexibility in power amplifier selection over a conventional single-wire connection.



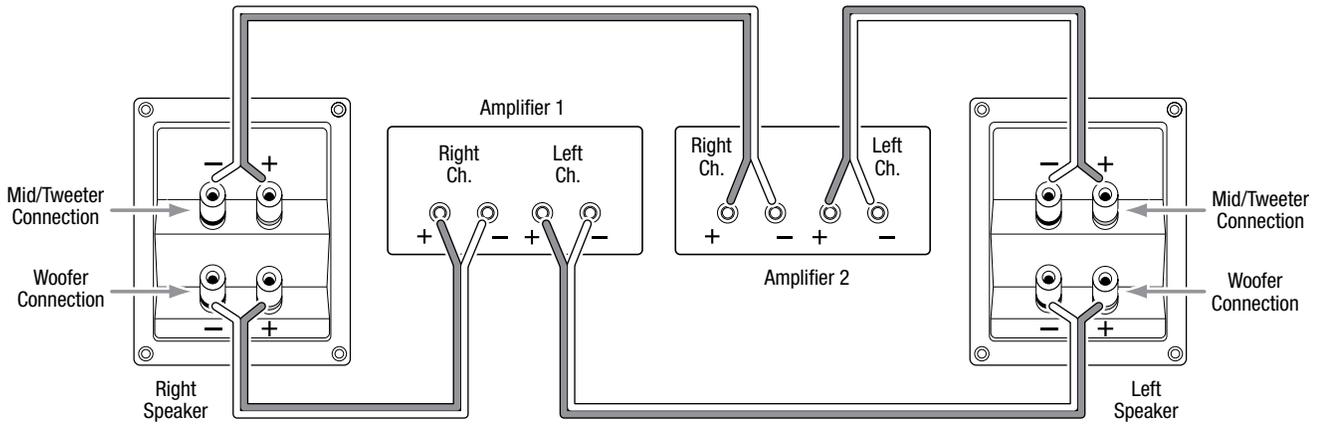
To bi-wire the 4319, first remove the terminal jumpers as shown in the illustration on the right.



If you're bi-wiring with a single stereo power amplifier, connect the speakers according to the following illustration.



If you're bi-wiring with two stereo power amplifiers, connect the speakers according to the following illustration.



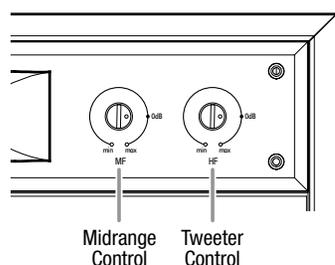
In either case, follow the instructions for the different connector types in *Basic Single-Wire Connection*, on the previous page. NOTE: For more information about various speaker-wire and connection options, contact your local JBL dealer.

## Controls/Adjustments

The 4319 has front-panel adjustments that let you balance the levels of the midrange driver (labeled MF) and tweeter (HF) against the woofer.

You can use these controls to adjust the speaker's sound according to your room's acoustics or your personal taste. The 0dB positions are indicated on the unit.

As with most speakers, after you start playing the 4319 it will take the drivers' suspensions several weeks to "break in" and achieve optimum performance. During this period, the balance among the woofer, midrange and tweeter may change, so we recommend that you adjust the midrange and tweeter controls accordingly.



## Caring for Your Speakers

- Wipe the cabinet with a clean, dry cloth to remove dust. Damp cloths or cleaning paper may dull the cabinet's finish. Do not use volatile liquids such as benzene, thinner or alcohol on the cabinet.
- Do not spray insecticide near the cabinet.
- To remove dust from the grille fabric, use a vacuum cleaner set to low suction.
- Do not wash the grille in water, as this may fade the colour or make it uneven.
- If the surfaces of the woofer and midrange cones become dusty, you can carefully sweep them clean with a soft, dry calligraphy brush or paint brush. Do not use a damp cloth.
- NEVER touch anything to the tweeter dome.

SPEAKER TYPE	THREE-WAY BOOKSHELF
Woofer	30mm pure pulp cone (model 2213Nd-1)
Midrange	125mm aluminium-magnesium alloy cone (model 105H-2)
Tweeter	25mm aluminium-magnesium alloy dome (model 054ALMg-1)
Impedance	6 ohms
Maximum recommended amplifier power	200 watts RMS
Sensitivity (2.83V/1m)	92dB
Frequency response	38Hz – 40kHz (–6dB)
Crossover frequencies	650Hz, 2.2kHz
Dimensions (H x W x D)	23-1/2" x 14-1/4" x 11-3/8" – 11-7/8" with grille (597mm x 362mm x 299mm – 302mm with grille)
Weight	35.9 lb (16.3kg)



**HARMAN**

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Part No. 443887-002 Rev.: B