

LEGEND SERIES V



USER'S MANUAL



Welcome to the wonderful world of Richter sound, and thank you for choosing our products. Since 1986 Richter has been re-writing the Australian record books, winning over 28 Industry awards through their philosophy of combining superb musicality, build quality and affordability. This means you can be confident that whichever Richter model you have chosen, it will outperform most if not all other brands in its class.

Richter researches and develops its own proprietary drivers applying a process of continuous improvement, responding to advances in materials technology and increasingly demanding sound sources, notably from digital music and sound engineering on the one hand, and the rise of home cinema on the other.

Please note fine speakers may benefit from a 'run-in' period – driving them at moderate to medium volume levels until they have 'settled in'.

INCLUSIONS

This booklet covers the following Richter models and listed inclusions:



Dragon
4 x port tube inserts
4 X metal spikes
4 X rubber feet



Wizard
2 x port tube inserts
4 X metal spikes
4 X rubber feet



Harlequin
4 X metal spikes
4 X rubber feet



Mentor
8 X rubber feet



Merlin
8 X rubber feet



Griffin
4 X rubber feet

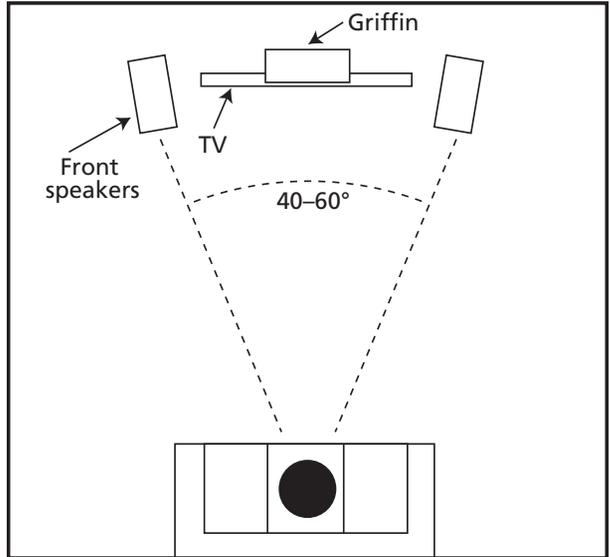
SPEAKER PLACEMENT FOR STEREO LISTENING

For best results, place your speakers 6–10 feet (1.8m–3m) apart. Angling the speakers toward the listening position can improve the stereo imaging. The speakers will produce the most accurate stereo soundstage when the angle between the listener and the speakers is between 40 and 60 degrees. Richter's wide dispersion tweeters maximise flexibility in speaker placement. (Tweeters are generally the most directional driver type.)

Generally, bass output will increase as the speaker is moved closer to a wall or corner but it may become 'boomy' if placed too close.

For best performance, place your speakers at least 51cm (20 inches) away from walls – but each room is different so try different positions and listen for yourself.

- If possible, position your speakers so the tweeters are approximately at ear level. Bookshelf models should be placed on a raised surface or on the optional Richter stands. For subwoofer placement, see Richter's Thor subwoofer User Manual.



1. Lay the speakers on their sides on a soft surface – not the fronts or backs.
2. Peel the adhesive rubber feet from the card and apply them to the bottoms of the speakers.



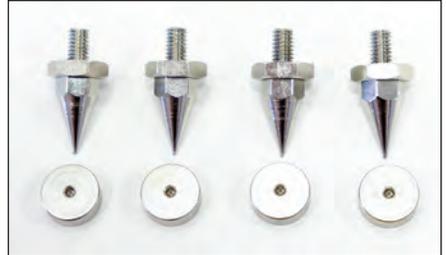
USING THE SUPPLIED SPIKES

(Dragon, Wizard and Harlequin)

The metal floor spikes are useful when you place the speaker on a carpeted surface. The spikes separate the speaker from the floor and prevent unwanted acoustic damping.

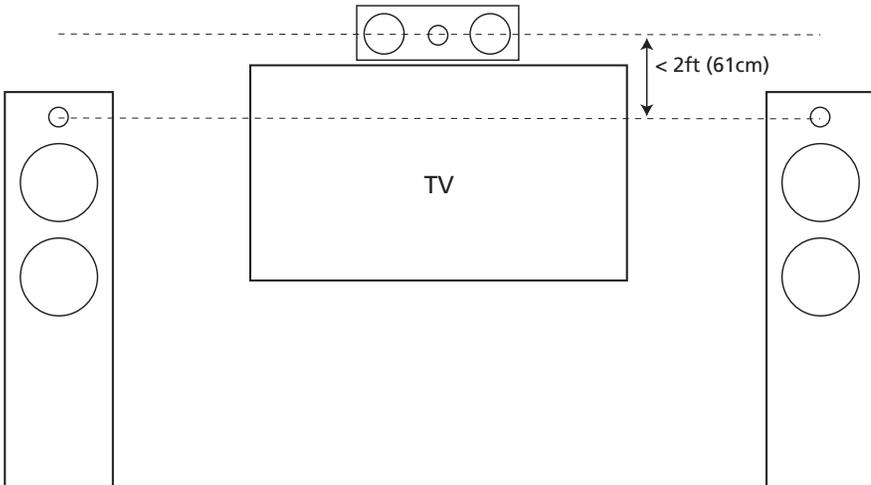
To insert the spikes:

1. Lay the speakers on their sides on a soft surface – not the fronts or backs.
2. Screw the spikes into the threaded inserts – make sure all are firm and even for maximum stability.
3. The flat metal bases are for use on timber floors.



PLACING THE GRIFFIN CENTRE SPEAKER

You should place the Griffin Centre Speaker directly above or below the centre of your TV screen. The center of the tweeter should be no more than 61cm (2 feet) above or below the centres of the main speakers' tweeters. Make sure you have applied the supplied rubber feet.



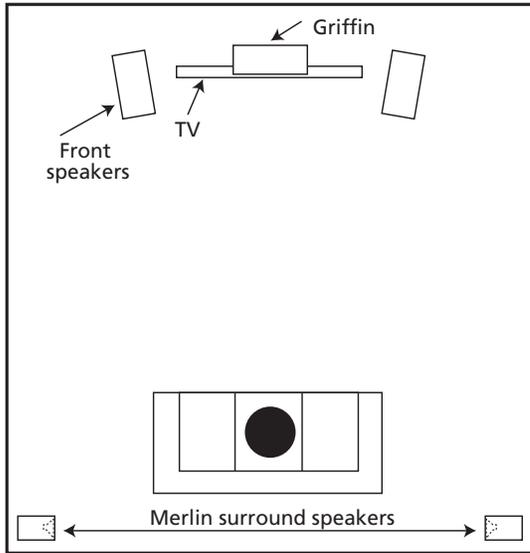
SURROUND SOUND (5.1 channel system)

When you use Merlin speakers as rear speakers in a surround system, place them slightly behind your listening position, facing each other. Ideally, they should be 90cm–120cm (3–4 feet) above the floor. (Place them on a raised platform or use Richter speaker stands).

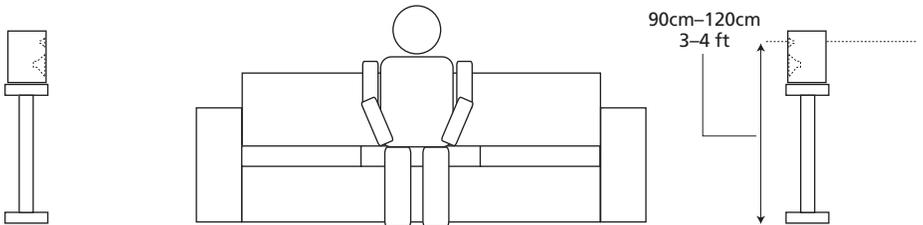
An alternate location is on a wall behind the listening position, facing forward. (Merlins are fitted with a threaded socket for wall brackets.)

The surround speakers should not call attention to themselves while they're playing. Experiment with their placement until you hear a diffuse, ambient sound accompanying the sounds that you hear from the front and centre speakers.

For subwoofer placement, see Richter's Thor subwoofer User Manual.

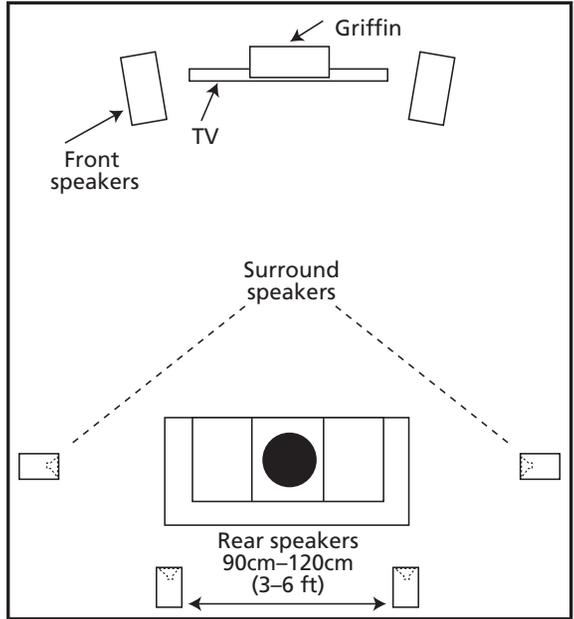


Richter speaker stand RSS001



SURROUND SOUND (7.1 channel system)

When you use Merlin speakers as surround-channel speakers in a 7.1-channel system, place the surround side speakers directly to the sides of the listening position, at least 90–120cm (3–4 feet) above the floor. Place the surround rear speakers on the wall behind the listening position, also at least 90–120cm (3–4 feet) above the floor and 90–180cm (3–6 feet) apart.



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.

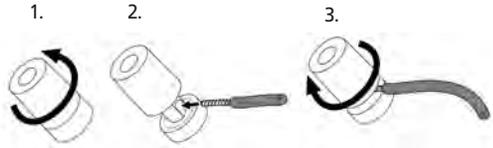
Speakers and amplifiers have corresponding positive and negative (“+” and “-”) connectors. All Richter Legend Series V speakers have connectors that are marked “+” and “-” on the terminal-cup assembly. Additionally, the “+” connectors have red markings, while the “-” connectors have black markings.

To ensure correct polarity, connect each “+” (red) connector on the back of the amplifier or receiver to the respective “+” (red) connector on each speaker. Connect the “-” (black) connectors in a similar way. Do not reverse polarities (i.e., “+” to “-” or “-” to “+”) when making connections. Doing so will cause poor stereo imaging and diminished bass performance.

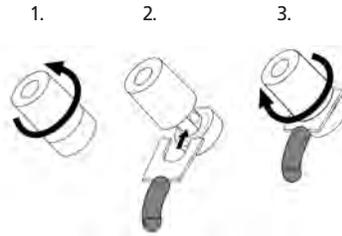
IMPORTANT: Make sure the “+” and “-” wires or connectors do not touch each other or the other terminal. Touching wires can cause a short circuit that can damage your receiver or amplifier.

Legend Series V series speakers use gold-plated speaker connectors which can accept a variety of wire connector types: bare wire, pin connectors, spade connectors and banana plugs.

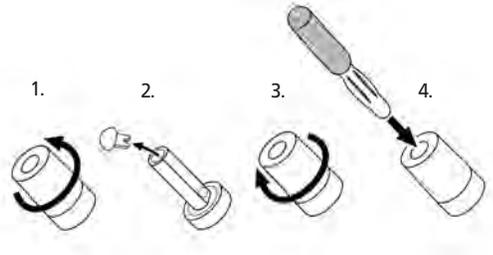
Bare wire or pin connectors



Spade connectors



Banana plugs

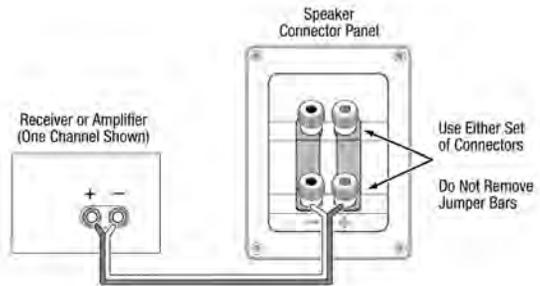


BASIC SINGLE-WIRE CONNECTION

To connect the speakers using a single wire, connect the amplifier to each speaker as shown in the illustration below.

You can use either set of connectors on the speaker's connector panel.

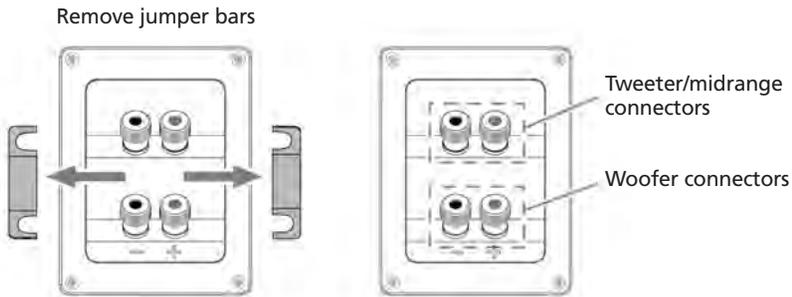
IMPORTANT: Do not remove the metal jumper bars from between the two sets of connectors when connecting the speaker wires.



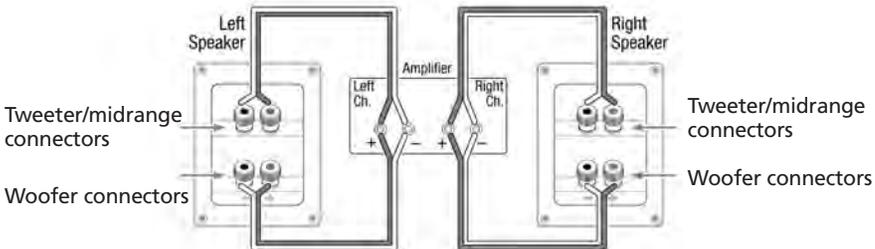
BI-WIRE CONNECTION

All Legend Series V speaker connector panels have two sets of input connectors that are joined by metal jumper bars. The upper set of connectors is for the tweeters and midrange drivers, and the lower set of connectors is for the woofers. This arrangement allows you to bi-wire the speakers using a single stereo amplifier or using two stereo amplifiers. Bi-wiring can offer performance advantages and more flexibility in power-amplifier selection over a conventional single-wire connection.

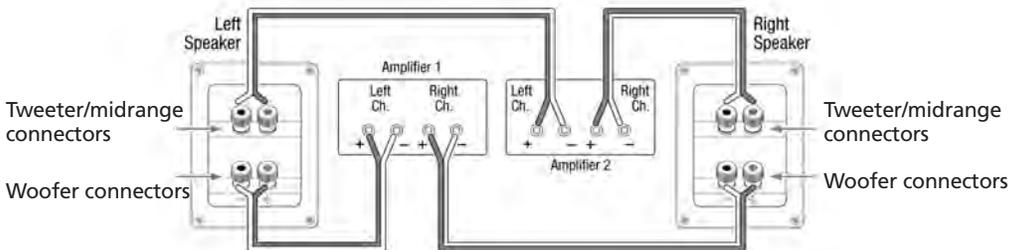
Before bi-wiring the speakers, remove the jumper bars.



Single-amplifier bi-wiring



Dual-amplifier bi-wiring



For more information about various speaker-wire and connection options, contact your Richter dealer.

USING THE PORT TUBE INSERTS (Dragon and Wizard models only)

If, due to speaker placement or your room's acoustics, you feel that the speakers produce a bit too much bass output for your taste, you can use the provided port tube inserts to slightly reduce output in the 50Hz–100Hz region.

Insert the port tube insert about half way into the port tube openings on the rear of your speakers. Be careful not to push the insert through the port tube and into the speaker cabinet.

Note: The Dragon has two ports and includes two port tube inserts.



CARING FOR YOUR SPEAKERS

- Wipe the cabinet with a clean, dry cloth to remove dust. Damp cloth may dull the cabinet's finish. Do not use volatile liquids such as benzene, paint 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.
- Never apply suction or pressurized air to speaker drivers.
- Do not wash the grilles in water, as it may fade the color or make it uneven.
- If the surfaces of the woofer cones become dusty, you can carefully sweep them clean with a soft, dry calligraphy brush or paint brush. Do not use a damp cloth.

SPECIFICATIONS

DRAGON SERIES V

Vented quasi 4-way Floor standing

Impedance..4 Ohms

Frequency Response25 Hz–25 KHz

Sensitivity....91 (dB/W/M)

Bass / Mid ...3 x 130 mm (EPD*) sealed composite paper/fibre cone, inverted cap.

Tweeter.....25mm soft dome, neodymium magnet.

EnclosureDual bass reflex

Rec. Amplifier PowerHome Theatre 150–500, Two-channel 20–500 WRMS

Dimensions....1050H x 400D X 220W

Connector ..dual gold-plated binding posts (bi-wire capable)

Available Finishes.....Jarrah / Black Oak

Weight.....25.1 KG each speaker

WIZARD SERIES V

Vented quasi 3-way floor standing

Impedance..4 Ohms

Frequency Response32 Hz–25 KHz

Sensitivity....90 (dB/W/M)

Bass / Mid.....2 x 130 mm (EPD*) sealed composite paper/fibre cone, inverted cap.

Tweeter.....25mm soft dome, neodymium magnet.

EnclosureBass reflex

Rec. Amplifier PowerHome Theatre 100–250, Two-channel 20–250 WRMS

Dimensions....970H x 350D X 205W

Connector ..dual gold-plated binding posts (bi-wire capable)

Available Finishes.....Jarrah / Black Oak

Weight 20 KG each speaker

HARLEQUIN SERIES V

Vented quasi 3-way floor standing

Impedance..4 Ohms

Frequency Response35 Hz–25 KHz

Sensitivity....89 (dB/W/M)

Bass / Mid ...2 x 105 mm (EPD*) sealed composite paper/fibre cone, inverted cap.

Tweeter.....25mm soft dome, neodymium magnet.

EnclosureBass reflex

Rec. Amplifier PowerHome Theatre 100–200, Two-channel 15–200 WRMS

Dimensions....900H x 280D X 190W

Connector ..dual gold-plated binding posts (bi-wire capable)

Available Finishes.....Jarrah / Black Oak

Weight.....16 KG each speaker

MENTOR SERIES V

Vented 2-way Bookshelf

Impedance..6 Ohms

Frequency Response47 Hz–25 KHz

Sensitivity....88 (dB/W/M)

Bass / Mid ...130 mm (EPD*) sealed composite paper/fibre cone, inverted cap.

Tweeter.....25mm soft dome, neodymium magnet.

EnclosureBass reflex

Rec. Amplifier PowerHome Theatre 50–150, Two-channel 15–150 WRMS

Dimensions....375H x 290D X 205W

Connector ..dual gold-plated binding posts (bi-wire capable)

Available Finishes.....Jarrah / Black Oak

Weight.....7.5 KG each speaker

MERLIN SERIES V

Vented 2-way Bookshelf

Impedance..6 Ohms

Frequency Response55 Hz–25 KHz

Sensitivity....87 (dB/W/M)

Bass / Mid ...105 mm (EPD*) sealed composite paper/fibre cone, inverted cap.

Tweeter.....25mm soft dome, neodymium magnet.

EnclosureBass reflex

Rec. Amplifier PowerHome Theatre 50–150, Two-channel 15–150 WRMS

Dimensions....320H x 230D X 180W

Connector ..Dual Gold Plated Binding Posts (bi-wire capable)

Available Finishes.....Jarrah / Black Oak

Weight.....6 KG each speaker

Mounting choices.....free-standing; 1/4" threaded insert for wall bracket; or optional Richter stands

GRIFFIN SERIES V

Vented Symmetric Array 2-Way Centre

Impedance..4 Ohms

Frequency Response48 Hz–25 KHz

Sensitivity....89 (dB/W/M)

Bass / Mid ...2 x 105 mm (EPD*) sealed composite paper/fibre cone, inverted cap.

Tweeter.....25mm soft dome, neodymium magnet.

EnclosureBass reflex

Rec. Amplifier PowerDepends on main speakers

Dimensions .165H x 385D X 495W

Connector ..Dual Gold Plated Binding Posts (bi-wire capable)

Available Finishes.....Jarrah / Black Oak

Weight 10 KG



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