

XSCACE

SIZE DEFYING SOUND

INSTALLATION MANUAL

Bergenia

In-Wall Speaker

XSCACE

SKU: XSP-IW-BER • In-Wall Series

READ ALL INSTRUCTIONS
BEFORE INSTALLATION

WHAT'S IN THE BOX

- Speaker unit
- Spring clips
- Cutout template (12.9" × 8.85")
- Wire connectors

TOOLS REQUIRED

- | | |
|--------------------------|---------------------------------|
| — Pencil / marker | — Spirit level |
| — Tape measure | — Cable stripper / cutters |
| — Power drill + 6mm bits | — Screwdriver (Phillips + flat) |
| — Drywall saw / jigsaw | — Stud finder |

BEFORE YOU BEGIN

Always isolate power before making electrical connections. Ensure all wall fixings are rated for the combined weight of the speaker and accessories. If in doubt about wall or ceiling construction, engage a structural professional before cutting or drilling. XSCACE accepts no responsibility for damage resulting from incorrect installation.



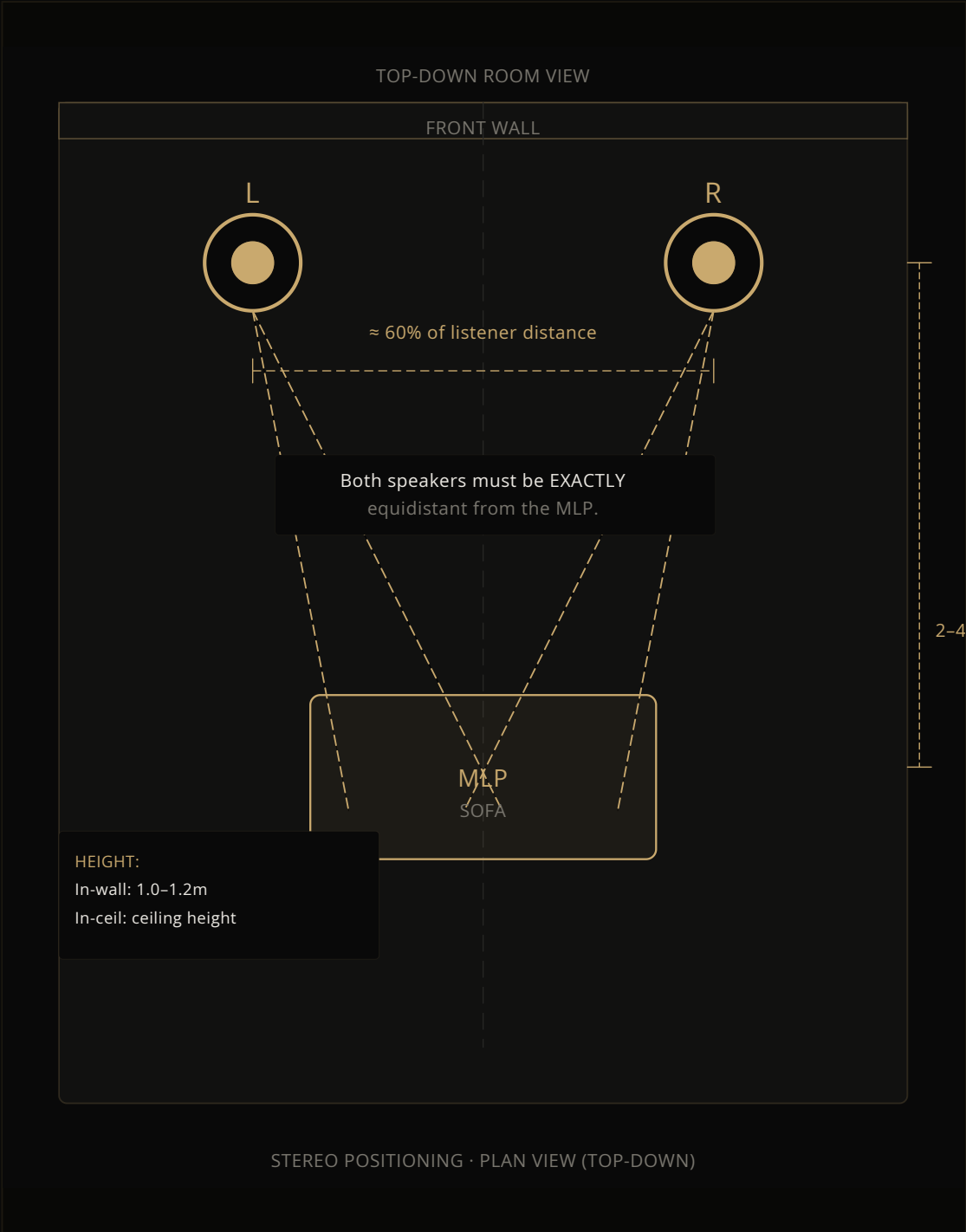
Weight: 3.2 kg · 349.8 × 254 × 111.8 mm · Passive

SPEAKER POSITIONING

Finding your ideal sound stage.

- Identify your Main Listening Position (MLP) — the primary seat from which you will listen.
- For stereo: position both speakers symmetrically on either side of the room centreline.
- Spacing: approximately 60% of the listener distance. If the MLP is 3m from the speaker plane, space speakers 1.8m apart.
- In-wall: mount at ear level when seated — 1.0–1.2m from the floor. In-ceiling: install at ceiling height.
- Both speakers must be exactly equidistant from the MLP. Use a tape measure — even 5cm of asymmetry is audible.
- For cinema LCR / surround, use the XSCACE Configurator for full channel layout.

Speakers face directly forward — no angling required.



INSTALLATION STEPS

How to install your Bergenia.

- 1

Mark the cutout: 224.8mm high × 327.7mm wide. Use the included template. Confirm square and plumb with a spirit level.
- 2

Before cutting: use a stud finder and pipe/cable detector to locate hidden services. Never cut through structural elements.
- 3

Confirm at least 124mm minimum of void depth behind the wall surface.
- 4

Cut the opening carefully using a drywall saw or jigsaw, staying inside the marked line.
- 5

Route cable (14 AWG or thinner) through the wall void — leave 200mm exposed inside the cutout.
- 6

Connect cable to the Bergenia terminals — observe polarity.
- 7

Insert the Bergenia into the cutout. The baffle must sit flush against the wall surface.
- 8

Tighten the dog-leg screws alternating from side to side. Each screw drives a metal arm outward and behind the drywall, clamping the speaker. Tighten until secure but do not crack the board.
- 9

Fit the grille. Paintable — prime, paint to match, then clip on before finishing the surrounding wall.

KEY DIMENSIONS

Cutout H × W	224.8 × 327.7mm
Cavity depth min	124mm

SAFETY

Isolate power before electrical connections. Ensure all fixings are adequate for the system weight. When in doubt, consult a structural professional. XSCACE accepts no responsibility for incorrect installation.

CAVITY

WALL

IN-WALL DOG-LEG CLIPS

CUTOUT: 327.7 × 224.8mm

CLIP

ROOM SIDE

CLIP

327.7mm wide

224.8mm high

defini

Mark 327.7×224.8mm cutout

defini

Check pipes & studs first

defini

Cut with drywall saw

defini

Route cable — 200mm slack

defini

Connect — Red(+) · Black(-)

defini

Insert speaker into opening

defini

Tighten clips alternating sides

defini

Fit grille (paintable)

CONNECTING TO YOUR SYSTEM

Signal & power connections.

Wire gauge	14 AWG or thinner
Connector	push terminal
Impedance	8Ω
Crossover (set on amp)	55Hz low-pass
Polarity	Red(+) positive · Black(−) negative

Wire both speakers in the same phase. Reversed polarity on one speaker causes bass cancellation and a hollow mid-range.

SYSTEM DESIGN & WIRING

For amplifier selection, subwoofer integration, multi-room layout, and interactive wiring diagrams — open the XSCACE Configurator:

XSCACE Configurator



Scan with your phone camera. Select your products, receive a wiring diagram and bill of quantities.

configurator.xscace.com

SUPPORT

support@xscace.com
xscace.com

PRODUCT REFERENCE

SKU	XSP-IW-BER
Series	In-Wall Series
Impedance	8Ω
Power RMS	80W
Weight	3.2kg