

XSCACE

SIZE DEFYING SOUND

INSTALLATION MANUAL

Bonsai In-Ceiling / In-Wall

Slim Array In-Ceiling / In-Wall

XSCACE

SKU XSP-IC-BON · Slim Array Series

READ ALL INSTRUCTIONS
BEFORE INSTALLATION

WHAT'S IN THE BOX

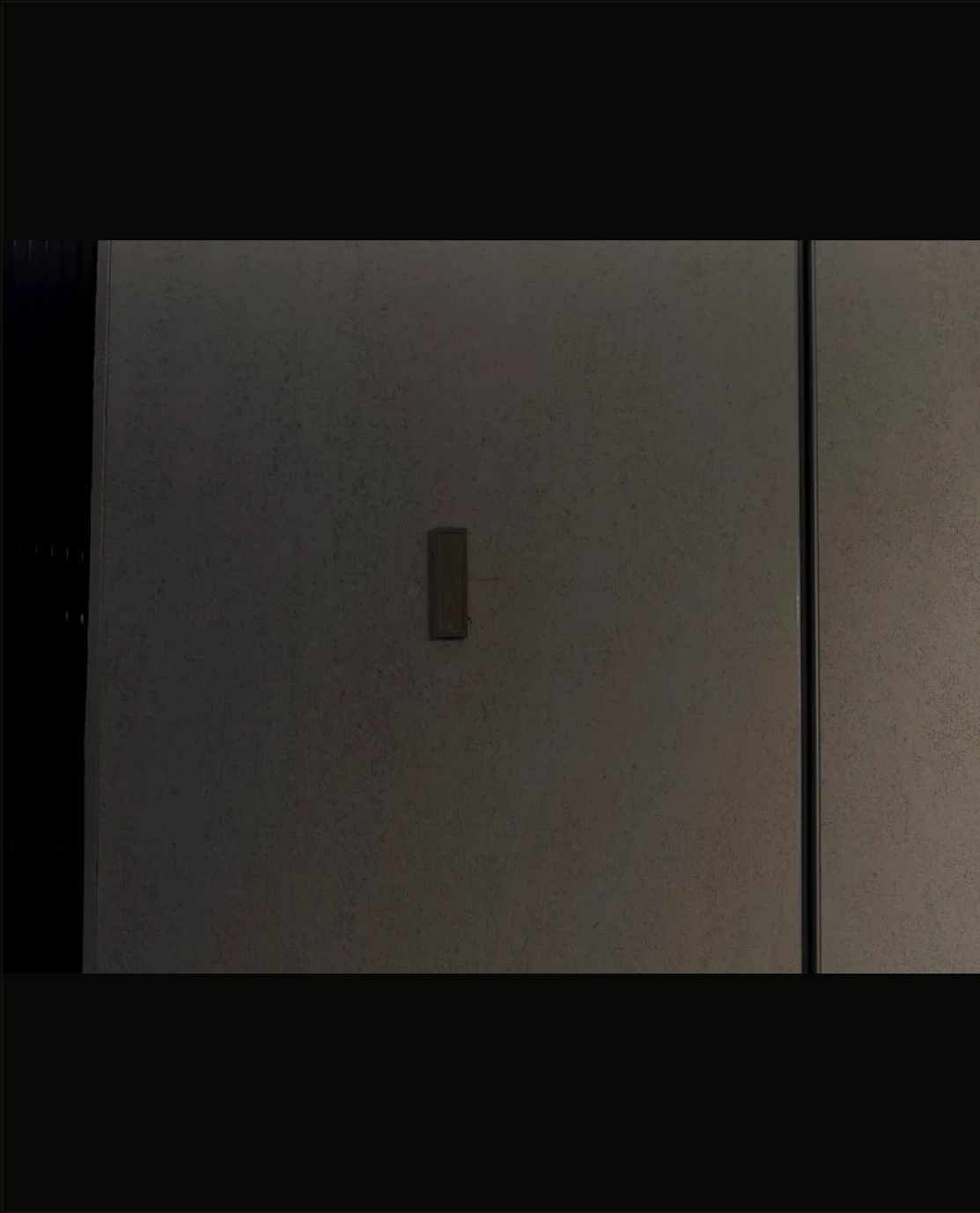
- Speaker unit
- Spring clips
- Cutout template
- Wire connectors

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.



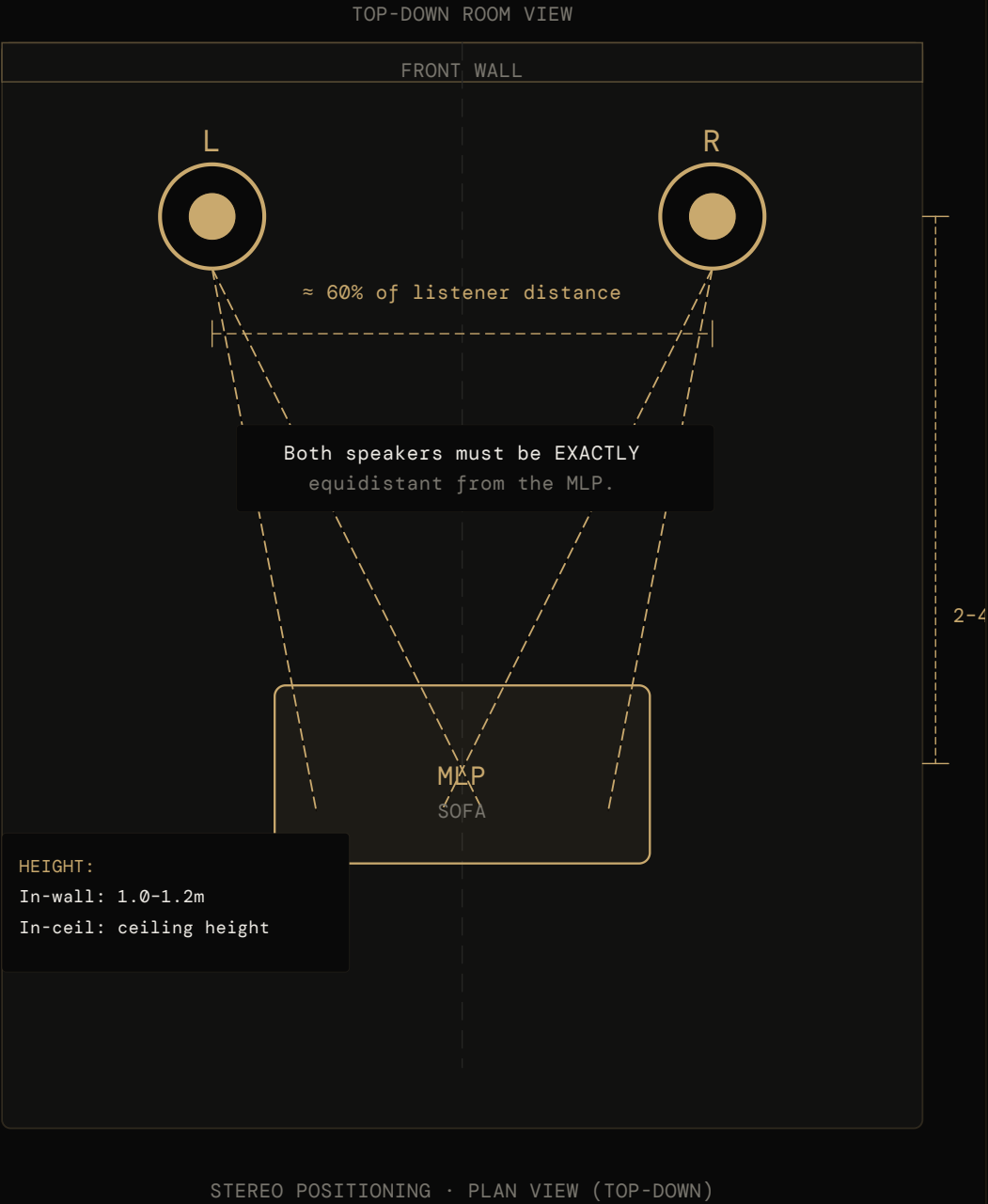
Weight: 0.1 kg · 90 × 22 × 13 mm · Passive

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 Bonsai In-Ceiling / In-Wall.

- 1

Mark the cutout: 90mm high × 22mm wide using the included template.
- 2

Check for pipes, cables, and studs. Do not cut through structural elements.
- 3

Confirm cavity depth is at least 25mm minimum.
- 4

Cut the opening with a drywall saw, staying inside the marked line.
- 5

Route cable (JST 2.5mm connector wire (included)) through the wall void — leave 200mm exposed.
- 6

Connect cable to the Bonsai In-Ceiling / In-Wall JST 2.5mm Male. Observe polarity.
- 7

Compress the spring clips flat against the speaker body. Insert at a slight angle, then straighten into the cutout. The spring clips automatically expand behind the drywall.
- 8

Press the speaker flush — the clips grip the back of the drywall board. No screws to tighten.
- 9

Fit the grille to complete the installation.

KEY DIMENSIONS

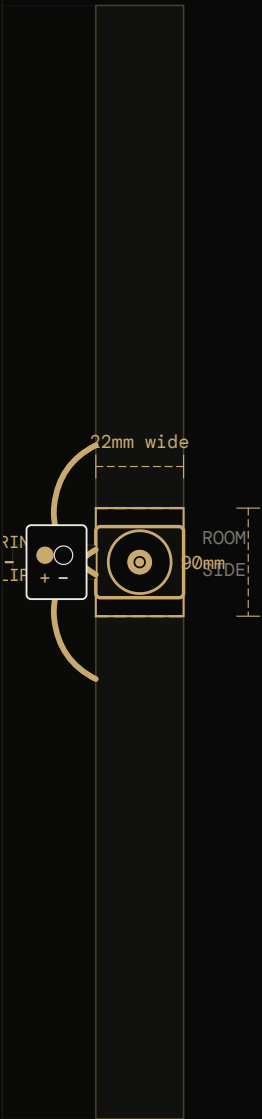
Cutout H × W	90 × 22mm
Cavity depth min	25mm

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.

IN-WALL SPRING CLIPS

CUTOUT: 22 × 90mm



- efi

Mark 22×90mm cutout
- efi

Check pipes & studs first
- efi

Cut with drywall saw
- efi

Route cable — 200mm slack
- efi

Connect — Red(+) · Black(-)
- efi

Insert speaker into opening
- efi

Spring clips auto-expand
- efi

Fit grille (paintable)

CONNECTING TO YOUR SYSTEM

Signal & power connections.

Wire gauge	JST 2.5mm connector wire (included)
Connector	JST 2.5mm Male
Impedance	8Ω
Crossover (set on amp)	300Hz 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.

xscace.com/planner

SUPPORT
support@xscace.com
xscace.com

PRODUCT REFERENCE

SKU	XSP-IC-BON
Series	Slim Array Series
Impedance	8Ω
Power RMS	40W
Weight	0.1kg