

XSCACE

SIZE DEFYING SOUND

INSTALLATION MANUAL

Aspen 6

In-Ceiling Speaker

XSCACE

SKU XSP-IC-AS6 · In-Ceiling Series

READ ALL INSTRUCTIONS
BEFORE INSTALLATION

02

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) |
| – Hole saw (cutout diameter) | – 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.



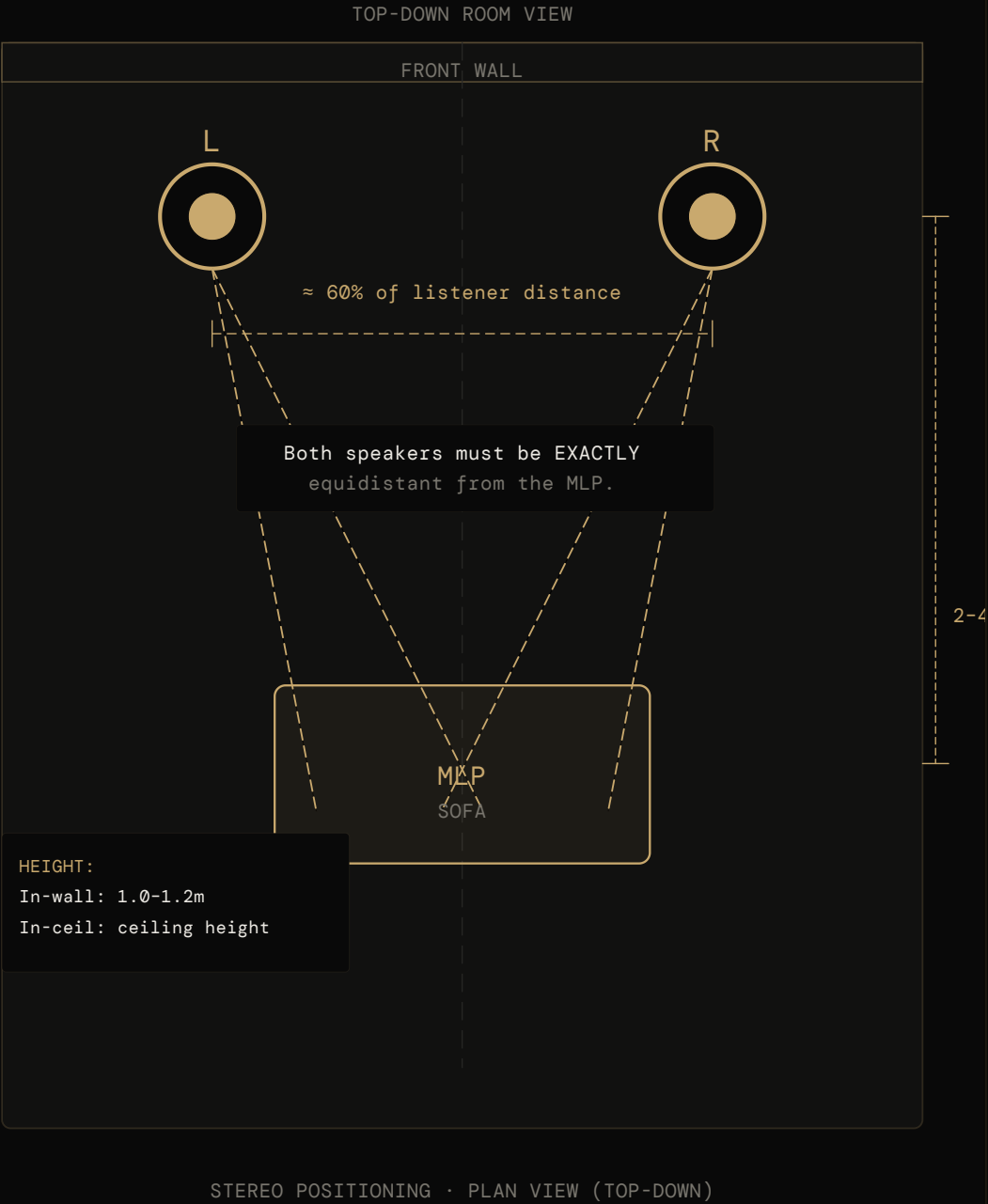
Weight: 1.9 kg · Passive

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 Aspen 6.

- 1

Mark the cutout position using the included circular template. Use a stud finder — confirm no joists are within the cutout area.
- 2

Confirm at least 115mm minimum of void depth above the ceiling surface at this location.
- 3

Cut the circular hole (208.9mm) using a hole saw. Work slowly and support the cut piece from below.
- 4

Route speaker cable (14 AWG or thinner) through the ceiling void to the cutout. Leave 200mm hanging through the hole.
- 5

Strip 10mm from each wire end. Connect to the speaker terminal block — observe polarity (+ and -).
- 6

Tilt the Aspen 6 slightly to fit it through the cutout at an angle, then straighten so it sits flush against the ceiling.
- 7

Tighten the dog-leg clip screws using the built-in screw heads. As each screw turns, the clip arm rotates behind the ceiling board and clamps the speaker. Tighten evenly — do not overtighten or the board may crack.
- 8

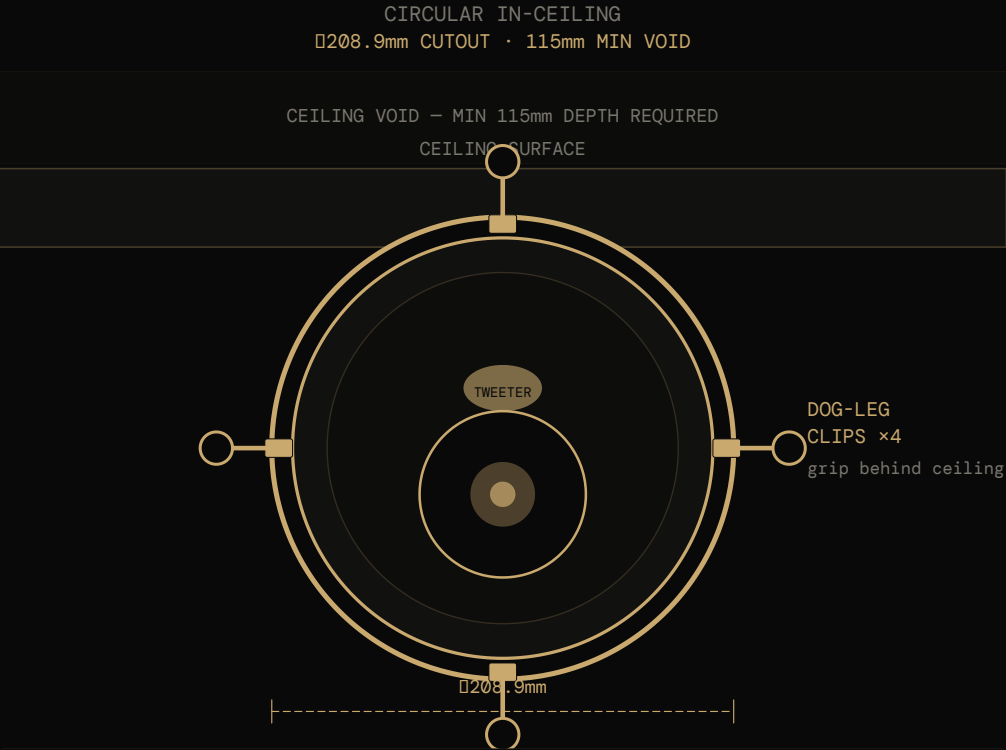
Snap the grille on. Aspen/Aster grilles are paintable — prime and paint before fitting if desired.

KEY DIMENSIONS

Cutout $\varnothing$	208.9mm
Cavity depth min	115mm

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.



- efi

Cut 208.9mm hole — use hole saw

Check no joists within cutout area
- efi

Route cable through hole

Leave 200mm slack hanging through
- efi

Connect cable to terminal

Observe polarity: + and -
- efi

Insert speaker at angle — straighten flush

Dog-leg clips go behind ceiling board
- efi

Tighten clips evenly — do not overtighten
- efi

Fit grille (paintable — prime before fitting)

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CONNECTING TO YOUR SYSTEM

Signal & power connections.

Wire gauge	14 AWG or thinner
Connector	push terminal
Impedance	8Ω
Crossover (set on amp)	80Hz 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-AS6
Series	In-Ceiling Series
Impedance	8Ω
Power RMS	100W
Weight	1.9kg