

Custom Install

Studio series architectural **loudspeakers**



Engineered to entertain

DYNAUDIO

Hello

Welcome to Dynaudio Custom: everything we know about speaker design – tailored just for you.

When we set out to design our Studio series custom-install architectural speakers, we wrote three huge words on the wall in Dynaudio Labs...

Simple. Flexible. Awesome.

The range had to be easy to understand. Its in-surface wall- and ceiling-mounting frames and speakers had to be fast, neat and simple to install. They had to be flexible enough to tailor to even the most challenging listening environments. And – of course – they had to sound every bit as good as our acclaimed hi-fi, pro-audio and automotive speakers.

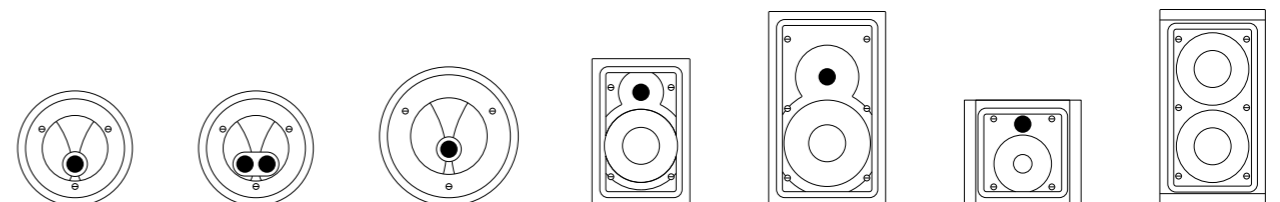
Our engineers didn't stop until they'd nailed it.

The entire Dynaudio Custom Studio series harnesses the same core technology, expertise and fanatical attention to detail that's made our loudspeakers so celebrated over the past 40 years. It's the same stuff – it's just inside the walls instead of in front of them.

Visit www.dynaudio.com/custom-install for more information.

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Made for your lifestyle

Your home is uniquely your own...
now your entertainment can be, too



You might want a discreet system for music. You might want to give your TV a boost. Dynaudio Custom can do both... and more.

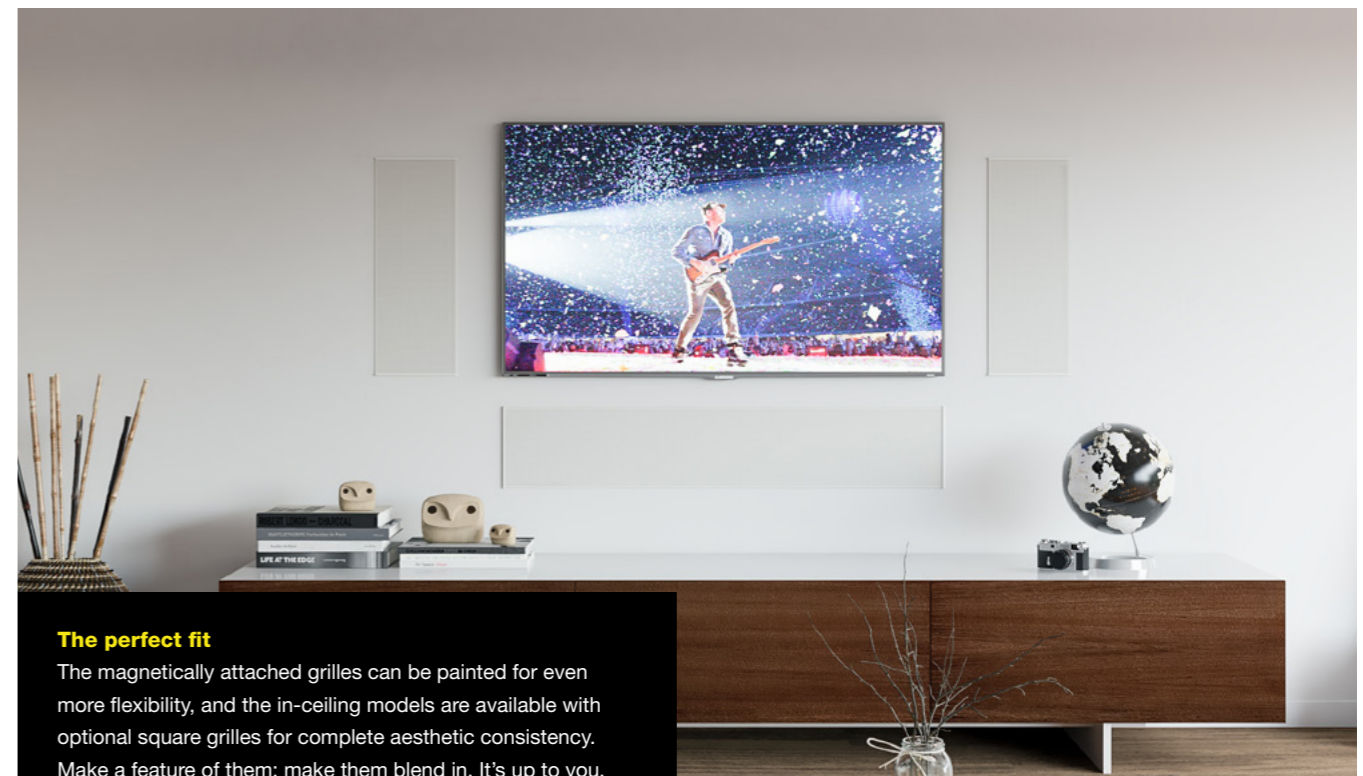
That's because it isn't a rigid, one-size-never-quite-fits system. Mix and match in-wall and in-ceiling speakers; go stereo or multichannel; integrate it perfectly with the rest of your equipment.

The Studio series in-surface mounting frames will retrofit into many existing popular-sized cavities – meaning no tearing down walls or ceilings to get Dynaudio performance into the house (although we'd totally understand people wanting to go that far). And the speakers themselves can be fine-tuned to focus the sound exactly where it's needed.

The Dynaudio Custom Studio series consists of round in-ceiling and rectangular in-wall speakers in both 6.5in and 8in versions, including a modular in-wall LCR variant – all featuring our acclaimed 1in soft-dome tweeters and MSP woofers. And, of course, it's all been designed and developed in Denmark.



Clean and simple
Installation takes under two minutes: lock the frame, fit the speaker, fix the grille.



The perfect fit
The magnetically attached grilles can be painted for even more flexibility, and the in-ceiling models are available with optional square grilles for complete aesthetic consistency. Make a feature of them; make them blend in. It's up to you.

Made for movies

Multichannel performance for the ultimate movie-night

It's been said that audio accounts for 80% of the movie-watching experience. Something to really lose yourself in.

Dynaudio Custom Studio series speakers do much more than simply sit out front and play the soundtrack. They surround you – at the sides, behind, and even above your head – making the experience truly captivating.

Best of all, your system can grow with your needs. Whether you want to start with a simple two-, five- or seven-channel system, or go all-in with a full-fat immersive set-up featuring overhead and height channels, it can grow to fit your imagination.

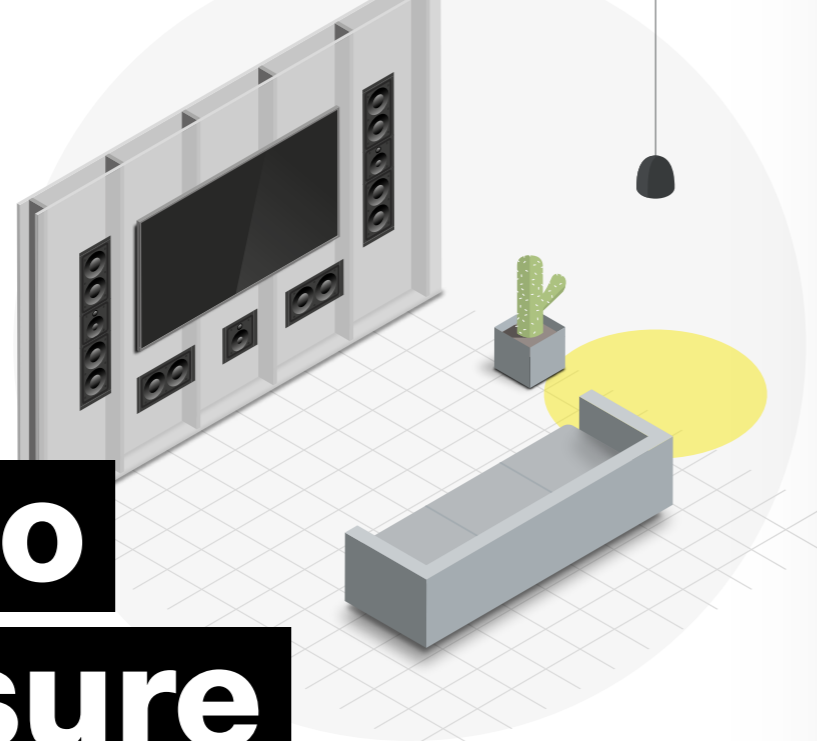
The in-ceiling speakers are angled 18° and rotate a full 360° in their frames – so their sound can be directed exactly where it's needed.

Rearranged the room? Just pop off the

paintable magnetic grilles and swivel the speakers to their new positions. Done.

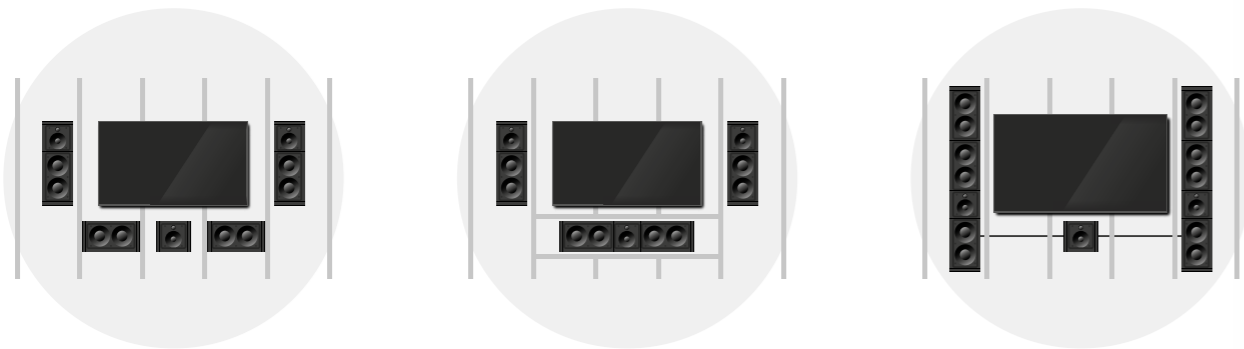
You can even install our in-ceiling speakers in the walls for absolute tonal consistency – and total control over the sound's direction. The in-ceiling frames can accept round or square grilles, too, to tailor the look precisely to your architect's or interior designer's vision.

It's your home cinema. Experience it your way.



Made to measure

Bespoke left, center and right speakers tailored for exhilarating entertainment



The Dynaudio Custom Studio S4-LCR65 system lets you create personalized vertically or horizontally oriented left, center and right three-way speaker channels. And it's a breeze to install... even between stud bays.

Its intelligent modular design means incredible flexibility: the S4-LCRMT mid/tweeter and S4-LCR65W woofer modules fit around standard 16in studs (so you don't have to cut them away). You can position the tweeter either way up and at any height in the array (so the listener gets total focus). And the individual modules are easily connected using speaker wire, with their frames either connected together and installed in a single cut-out, or spaced apart in multiple cut-outs to create a bespoke single channel (so the possibilities are immense).

Like the rest of the Dynaudio Custom range, all the modules mount into their frames without any tools required. The frames use a special integrated counter-spring mechanism that prevents unwanted sonic vibrations while keeping everything solidly connected in the installation.

Each module uses a passive crossover with a three-position switch, pre-configured to standard LCR channel configurations that use one or two connected woofer modules. There's also a bypass position to enable an unlimited number of fully active and completely customized S4-LCR65 system setups with external DSP processing and a dedicated amplifier channel for every driver.

Decide what sizes you want, then arrange, re-arrange and tweak as much as you like.

The S4-LCR65 system has five different optional paintable white grilles that attach magnetically (four standard-sized and one customizable), and it can also be installed behind acoustic fabric or acoustically transparent screens.

And, of course, it uses the same materials and technologies that have made our other loudspeakers so legendary: soft-dome tweeters, MSP cones and large aluminium voice-coils. Classic Dynaudio heritage in a brand-new configuration.

Residential Systems **CEDIA 2017 BEST of SHOW WINNER**



A winning combination Custom Studio LCR system

Throughout the home

Audio the way the artist intended... everywhere

Dynaudio Custom isn't only for the living room or home cinema: you can fill the whole house with sound from your music, TV or surround system.

Install our Studio series speakers in the halls; the kitchen; even the bathroom (if you really don't want to miss a thing) – then play one source everywhere, or split the house into zones to have different sources playing in different areas. Adjust the tweeters and rotate the speakers in their frames to fine-tune their performance and every room can have its own custom-tailored audio experience.

Whether you're playing jazz in the kitchen and rock in the den, or simply piping the latest blockbuster throughout the house, you can be sure of one thing: incredible performance everywhere.



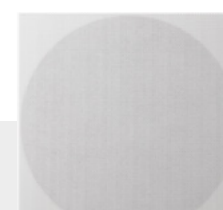
Mix and match

Want room-filling sound but not a room full of speakers?
We've got you covered

If you already have conventional free-standing speakers for stereo or multichannel listening, Dynaudio Custom can discreetly expand your system with in-wall and in-ceiling units. They're all but invisible, but you'll definitely know they're there.

Pair them with any standmounters or floorstanders from our product family and you'll get nothing but consistent tonal quality all over the room (and the rest of your home). It's quality that extends beyond the home, too: our professional monitors are used in recording studios all over the world, and our innovative automotive range features in premium Volkswagen models.

However you listen, on Dynaudio speakers you'll be experiencing your music exactly as the artist intended it to be heard.



Hip to be square?
Dynaudio Custom systems can evolve with your needs and tastes. Don't want round grilles in the room? No problem – you can fit a square one onto your round speaker. Changed your mind? Just pop it off (it's magnetic) and fit a circular one.

Inside the tech:

In-ceiling speakers

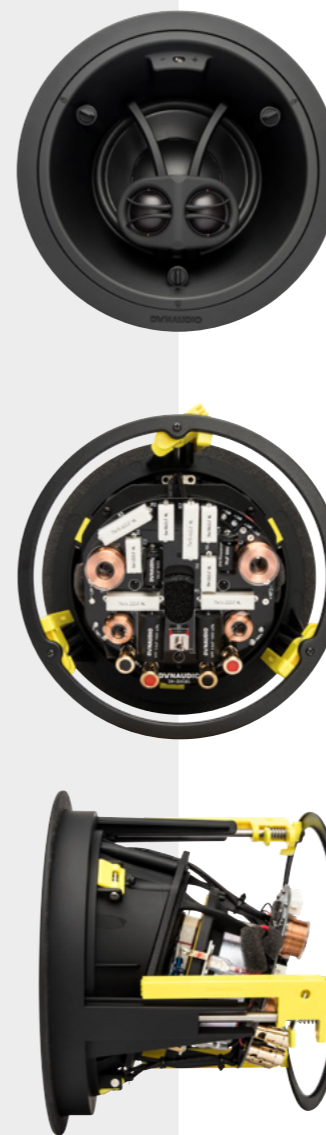
We've developed innovative solutions to the problems many installers face

We designed the Dynaudio Custom family to be as easy as possible to install, to be as simple as possible to understand, and to be flexible enough to tailor to even the most challenging listening environment. How? By making it totally adjustable...

The frames of our round in-ceiling speakers retrofit into many popular and existing cut-outs, while the patent-pending baffle latches mean super-quick, super-simple tool-free mounting.

The main driver is angled 18° and can rotate 360° in its frame, while the tweeter can be positioned – and adjusted – for precise directional control. There's also a tweeter-level switch for even more fine-tuning.

The magnetically attached grilles can be painted to blend in with (or stand out from) the room's décor, and can be used interchangeably with optional square versions to effortlessly integrate into any space.



Like all the models in the Dynaudio Custom Studio range, they feature the same 1in soft-dome tweeter technology and proprietary MSP (Magnesium Silicate Polymer) woofer design that you'll find in our cost-no-object Evidence Platinum flagship loudspeaker.

Mono or stereo (or both). It's up to you

The S4-DVC65 dual voice-coil in-ceiling speaker brings even more flexibility to the Dynaudio Custom Studio range.

Its dual tweeters let you listen to either a mono or stereo signal from a single speaker unit – perfectly suited for hallways, closets, bathrooms and situations where you don't have the space for more than one speaker installation.

Like the conventional Studio series round speaker units, the tweeters' level can be adjusted. And because you can angle them, you can aim the sound exactly where you want. A separate switch on the back lets you use speaker in dipole mode for surround applications.

The added bonus? You get another stellar Dynaudio voice-coil – wound from aluminium rather than copper, for its superior power-handling, cooling and energy-transfer properties.



Stick around
Our round and rectangular grilles are all magnetic, and sit flush to the surface – no tools necessary, and they'll blend right in.

Inside the tech:

In-wall speakers

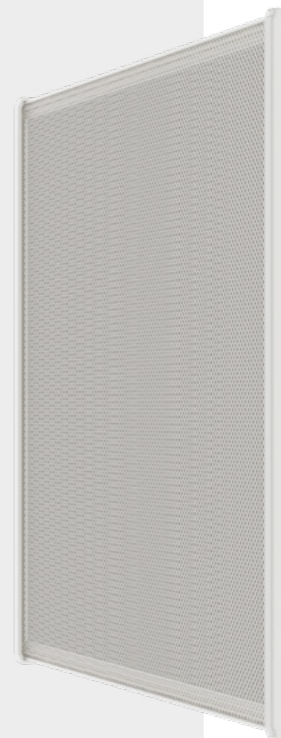
Simple installation, simple finishing, simply brilliant

You want ease of use? You've got it. Dynaudio Custom Studio series rectangular in-wall speakers use some ingeniously simple technology to get you up and running with minimal fuss... and at maximum speed.

The frames are pre-installed during construction or renovation (the house can be finished around them). Then, when it's time, your expert installer comes to mount and fine-tune the speakers – so it's exactly right, first time. All without damaging the décor or having to pull anything apart.

Like the Studio series round in-ceiling speakers, the rectangular in-wall versions have a tweeter-level switch and include paintable magnetically attached grilles for an even more personalized set-up.

And, of course, they use Dynaudio's legendary 1in soft-dome tweeter and MSP driver technology – the same stuff you'll find in our celebrated hi-fi, automotive and pro-studio speakers.



Have it your way

You can paint our grilles to fit with what's on your walls and ceilings – even patterned designs.

Ingenious solutions for common installation woes

It isn't fun cutting through studs in walls. It isn't fun dealing with the extra bracing required. It isn't fun cleaning up the sawdust. So don't put yourself through it...

The Dynaudio Custom Studio series S4-LCR65 system is modular; its separate woofer and tweeter modules are designed to fit snugly in the spaces between standard American 16in on-center wall-studs. That means you can configure a full three-way LCR array with no modifications – and no more effort than it takes to spec the rest of the system.

The tweeter modules can be placed either way up to optimize the system for the listening position, while a rear switch lets you match their power setting to the number of woofer modules you've chosen. There's also a passive filter bypass setting to unlock an unlimited range of fully active LCR system configurations.

Our engineers wanted to make it as easy as possible to install a larger array in one go, which is why magnetic fastenings hold everything securely together if you're not separating the modules. The S4-LCR65 system also uses the exact same unique clamp-and-lock mechanism as the rest of the Dynaudio Custom Studio range.

Getting started

How to install Dynaudio Custom Studio series in-ceiling and in-wall custom installation loudspeakers

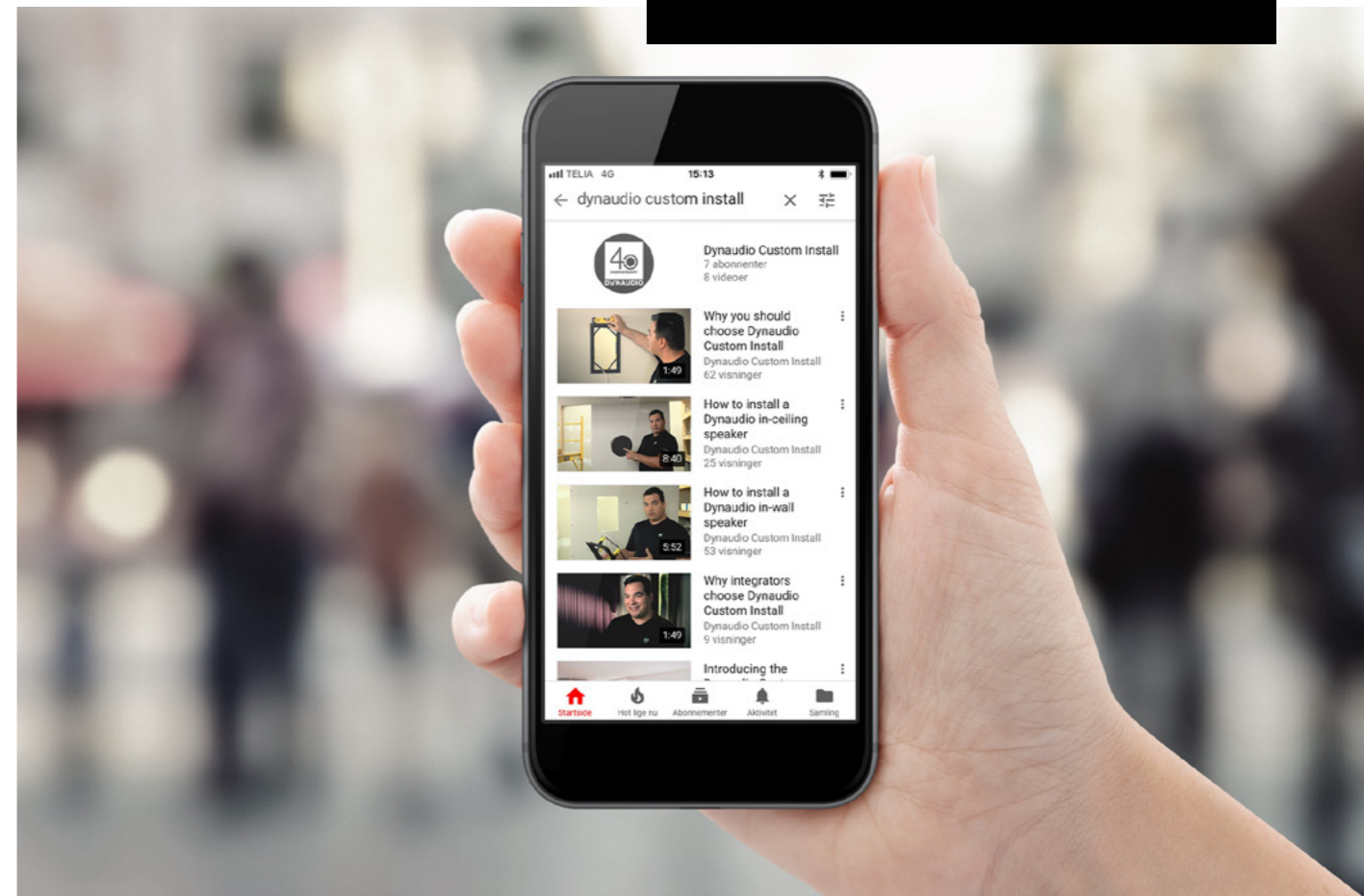


1. Install the frame

2. Mount the speaker

3. Attach the grille

For more information, including step-by-step video guides, visit www.dynaud.io/custominstall



Installation really couldn't be easier. There are three main steps, and they're common to both the round in-ceiling and rectangular in-wall models.

1. Install the frame

The innovative clip-frame fits into the wall or ceiling cut-out. Then it's fixed in place with the yellow securing clamps. You can loosen these and simply adjust as many times as you want without ever damaging the drywall. (And note: the rectangular frame can be fitted either way up.)

2. Mount the speaker

Connect the speaker cable to the terminals, then push the unit into the installation frame. Listen for the clicks as it locks in place. You can fine-tune the high-frequency balance by $\pm 3\text{dB}$ with the switch on the baffle. Round speakers can be rotated in the frame to point the driver down (or across) to the listening position, while the tweeter can be angled for even greater control.

3. Attach the grille

It's magnetic, so it just snaps into place.

Meet the family

**The Dynaudio Custom Studio range:
engineered to entertain**



S4-C65 in-ceiling
A 6.5in mid/bass driver, a 28mm soft-dome tweeter and 40 years of expertise behind it.



S4-DVC65 in-ceiling
The dual tweeter can be used in mono or stereo, and even in dipole mode for surround applications.



S4-C80 in-ceiling
An 8in mid/bass driver, plus a 28mm soft-dome tweeter, go deeper and louder where it counts.



S4-W65 in-wall
A 6.5in mid/bass driver and 28mm tweeter make this the perfect option for small to medium rooms.



S4-W80 in-wall
The 8in mid/bass driver and 28mm tweeter deliver more power and authority for larger spaces.

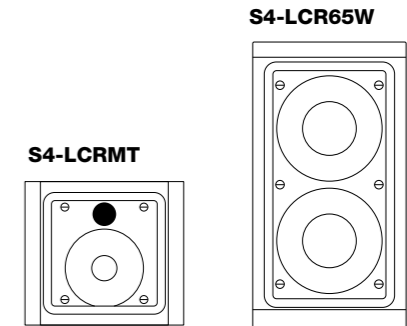


S4-LCRMT in-wall
Mix-and-match this midrange/tweeter module as part of a complete LCR installation.



S4-LCR65W in-wall
Twin-woofer modules can be added at will in an LCR system – giving you ultimate flexibility.

**The Dynaudio Custom LCR grille range:
designed for every situation**



1x S4-LCRMT



264mm (10 3/8 in)
Square grille for the midrange/tweeter module

1x S4-LCR65W



424mm (10 11/16 in)
Rectangular grille for the twin-woofer module

1x S4-LCRMT + 1x S4-LCR65W



614mm (24 3/16 in)
Want to combine a woofer module with a midrange? There's a grille for that too

1x S4-LCRMT + 2x S4-LCR65W






985mm (38 3/4 in)
We've got the ultimate LCR system covered


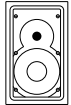

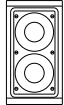
Custom grille



1319mm (51 15/16 in)
Want more? You've got it. Just cut it to fit and install the end-caps for a seamless appearance

Specifications

Model number / in-ceiling	S4-C65	S4-DVC65	S4-C80
			
Type	2-way in-ceiling	2-way in-ceiling	2-way in-ceiling
Drivers	Tweeter: 28mm (1in); mid/bass: 165mm (6½in)	2x tweeter: 28mm (1in); mid/bass: 165mm (6½in)	Tweeter: 28mm (1in); mid/bass: 200mm (8in)
Performance frequency response (+/- 3dB)	55Hz–20kHz	50Hz–20kHz	45Hz–20kHz
Impedance (nominal/minimum)	8Ω / 5Ω	2x 4Ω / 2x 3.2Ω	8Ω / 5Ω
Sensitivity (dB SPL [2.83V/1m])	87.5dB	83.5dB	89dB
Rated power*	50W	2x 50W	100W
Long term power*	125W	2 x 100W	140W
Tweeter level options	-3dB, 0dB, +3dB	-3dB, 0dB	-3dB, 0dB, +3dB
Tweeter orientation	Three tilt angles	Three tilt angles	Three tilt angles
Mid/bass orientation	18° x 360°	18° x 360°	18° x 360°
Dimensions/depth	Ø 232mm / 155mm (Ø 9¼in / 6¼in)	Ø 232mm / 167mm (Ø 9¼in / 6½in)	Ø 280mm / 163mm (Ø 11in / 6½in)
Cut-out dimensions	Ø 210mm (8¼in)	Ø 210mm (8¼in)	Ø 260mm (10¼in)
Grille material	Painted steel	Painted steel	Painted steel
Grille options	Round (supplied) / square	Round (supplied) / square	Round (supplied) / square
Grille attachment	Magnetic	Magnetic	Magnetic
Grille finish	White (paintable)	White (paintable)	White (paintable)
Certifications	CE	CE	CE
Environmental	RoHS	RoHS	RoHS

Model number / in-wall	S4-W65	S4-W80	S4-LCRMT	S4-LCR65W
				
Type	2-way in-wall	2-way in-wall	2-way in-wall mid/tweeter module	Twin-driver in-wall bass module
Drivers	Tweeter: 28mm (1in); mid/bass: 165mm (6½in)	Tweeter: 28mm (1in); mid/bass: 200mm (8in)	Tweeter: 28mm (1in); mid/bass: 100mm (4in)	2x 165mm (6½in)
Performance frequency response (+/- 3dB)	55Hz–20kHz	45Hz–20kHz	250Hz–20kHz	35–300Hz
Impedance (nominal/minimum)	8Ω / 5Ω	8Ω / 5Ω	8Ω / 5Ω	4Ω / 3.2Ω
Sensitivity (dB SPL [2.83V/1m])	87.5dB	89.0dB	89±3dB (250-20KHz)	86±3dB (40-250Hz)
Rated power*	50W	100W	50W	50W
Long term power*	125W	140W	150W	200W
Tweeter level options	-3dB, 0dB +3dB	-3dB, 0dB +3dB	+3dB, 0dB, -3dB	N/A
Dimensions/Depth	198 x 296mm / 90mm (7¾ x 11¼in / 3½in)	237 x 392mm / 99mm (9½ x 15½in / 3¾in)	235 x 213mm / 90mm (9¼ x 8½in / 3½in)	395 x 213mm / 90mm (15½ x 8½in / 3½in)
Cut-out dimensions	175 x 275mm (6⅞ x 10¾in)	215 x 370mm (8½ x 14¾in)	190 x 213mm (7½ x 8½in)	190 x 373mm (7½ x 14¾in)
Grille material	Painted steel	Painted steel	Painted steel	Painted steel
Grille options	Rectangular	Rectangular	Square / rectangular †	Square / rectangular †
Grille attachment	Magnetic	Magnetic	Magnetic	Magnetic
Grille finish	White (paintable)	White (paintable)	White (paintable)	White (paintable)
Certifications	CE	CE	CE	CE
Environmental	RoHS	RoHS	RoHS	RoHS

* Power handling according to IEC268. Rated power is continuous power for 100 hours.

† Both optional