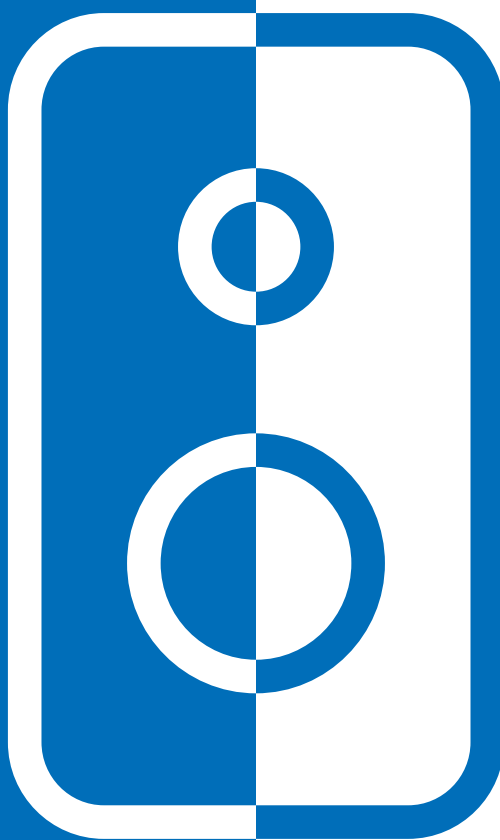


**HIGH PERFORMANCE**  
**AUDIO**  
**PRODUCT GUIDE 2018**



The Invision logo, featuring a white arc above the word "invision" in a lowercase, sans-serif font.

**SUPPLYING TECHNOLOGY  
AND ENTERTAINMENT FOR  
TODAY'S SMART HOME**

# WELCOME TO OUR HIGH PERFORMANCE AUDIO GUIDE



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07557 004512

## STEVE TOTTERDELL

Category Manager

As a musician in the 1990's I performed at many legendary venues and recorded in world class studios, which is where my love of sound and audio equipment developed. Some 10 years ago I became involved with the AV industry with the lofty ambition of redressing the balance of Audio in audio-visual.

This guide has been created for you to give you the necessary knowledge to build the perfect audio environment - from a listening room to outdoor audio systems. We cover technical information on Origin Acoustics, Trinnov, and all other brands, including speaker layout concepts showing Dolby Atmos and outdoor applications for all sizes of garden. Should you require any further information on the amplification, acoustic treatment, speakers and subwoofers which we offer, please do not hesitate to contact me.

**Steve Totterdell** Category Manager



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07825 559000

## MARK TAYLOR

Commercial Director

Invision is the UK's fastest growing distributor of market leading systems for today's Smart Home, supplying professional installers with innovative products and integrated solutions.

Our investment in products, training, service and support will continue during 2018, to provide you with one stop access to all the products you need for your next installation. Remember that we stock so you don't have to! All products are available on a next day delivery service to UK mainland destinations.

Our new 2018 product guides, organised by market category, are designed to bring you the very latest information from our exceptional product portfolio and I would welcome your feedback.

**Mark Taylor** Commercial Director



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Artnovion  
AudioControl  
Autonomic  
Origin Acoustics  
Procella  
Trinnov

**artnovion**

**AudioControl**  
Making Good Sound Great

**AUTONOMIC**



ORIGIN  
ACOUSTICS

Procella  
audio®



# ABOUT ARTNOVION

## **PASSION FOR ACOUSTICS**

At Artnovion they are driven by passion. Passion for acoustics, passion for performance and their eternal passion is to provide an amazing customer experience. With a talented team, they work hard to push the boundaries of acoustic engineering to create a unique collection of trend setting and high performance products.

Their everyday mission is to drive innovation, and engineer acoustic performance, combining these to create unlimited design possibilities. Using technology at the core of a solid network of partners, they blend the best facets of design, engineering and customer service, offering a selection of products that combine high acoustic performance and unique visual effects.

An abstract sculpture composed of numerous blue, rectangular blocks of varying sizes, arranged in a complex, layered structure. The blocks are set against a solid blue background, creating a monochromatic, geometric composition. The lighting highlights the edges and surfaces of the blocks, emphasizing their three-dimensional form.

**artnovion**

# ACOUSTICS

Often overlooked or only considered as an afterthought, acoustic treatments are arguably the single largest contributing component within a home cinema system when it comes to ensuring your experience is recreated exactly as the Director and Audio Engineers intended it to be.

Acoustics should be regarded as the foundations of any home cinema environment, and not simply a bandage to fix problems as they become apparent upon completion of the installation. The industry's leading home cinema designers know and understand the importance of acoustic treatments, and are turning to Artnovion for their support, expertise and elegant acoustic solutions to provide some of the best sounding and aesthetically pleasing rooms their clients could wish for.





# ACOUSTIC TREATMENT

## ABSORPTION PANELS

Flat reflective surfaces are known to cause interfering reflections and excessive echo, which can impose restrictions on the functionality of your home cinema or HiFi room. In order to address specific needs, Artnovion have developed the Absorber ranges.

Decorative and innovative panels in wooden, fabric or foam formats with acoustically optimised patterns to eliminate sound radiation effects, offering reflection and reverberation control.



## DIFFUSION PANELS

Developed specifically to interrupt discrete echoes by scattering or diffusing sound energy over a wide area without removing it from the room.

Diffusion improves sound and speech clarity. Diffusers are attractive furniture grade wooden acoustic panels. Designed for mid-high frequency sound diffusion within the range of 250Hz to 4,000Hz.

## BASS TRAPS

To fill the gap in the low frequency treatment that usually become more problematic in a smaller room, Artnovion developed Bass-Trap panels. With an absorption effect from 40Hz to 125Hz, the Bass-Trap panels offer an enriched acoustic experience by helping reduce directly standing sound waves and their reflections.

With a wooden finish, the panels can create various artistic patterns when mounted on the side or back walls or in the corners of home cinemas and living rooms.



# OVERVIEW

## ABSORPTION PANELS



ANDREA



DAVID



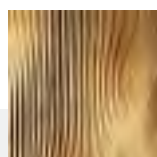
HELEN



LOA SQUARE



KAMET

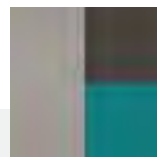


AVALON FLOW



DAWSON

## AZORES RANGE



SQUARE



Q CIRCLE



SEMI CIRCLE

## DIFFUSION PANELS



JAYA



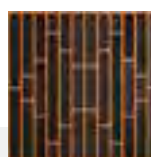
ALPS



DUORO



ARVON



LUGANO

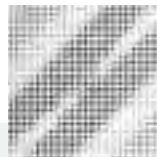
## BASS TRAP PANELS



VERONA



KOMODO



MERIDIA



EIGER

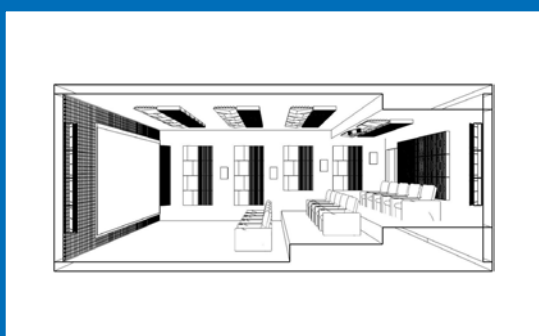




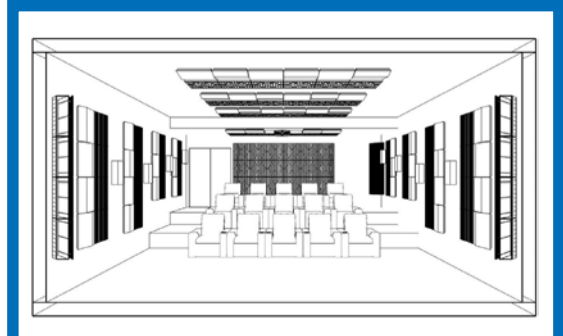


## PEACE OF MIND

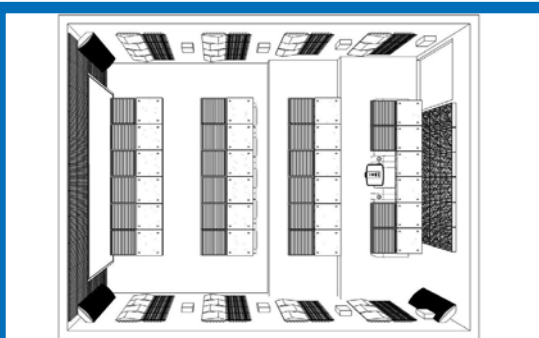
Artnovion offer tools to assist you to create the best acoustic environment for your client's, depending on their requirements. Why not submit a project to us and we, along with Artnovion, can take all the headache out of specifying acoustic treatment, allowing you to focus on other aspects of the project.



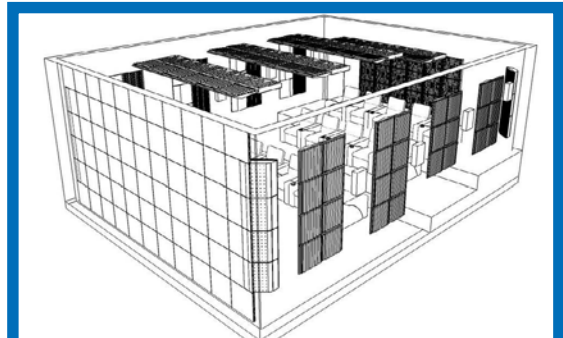
Outline Draw 1 - Lateral view



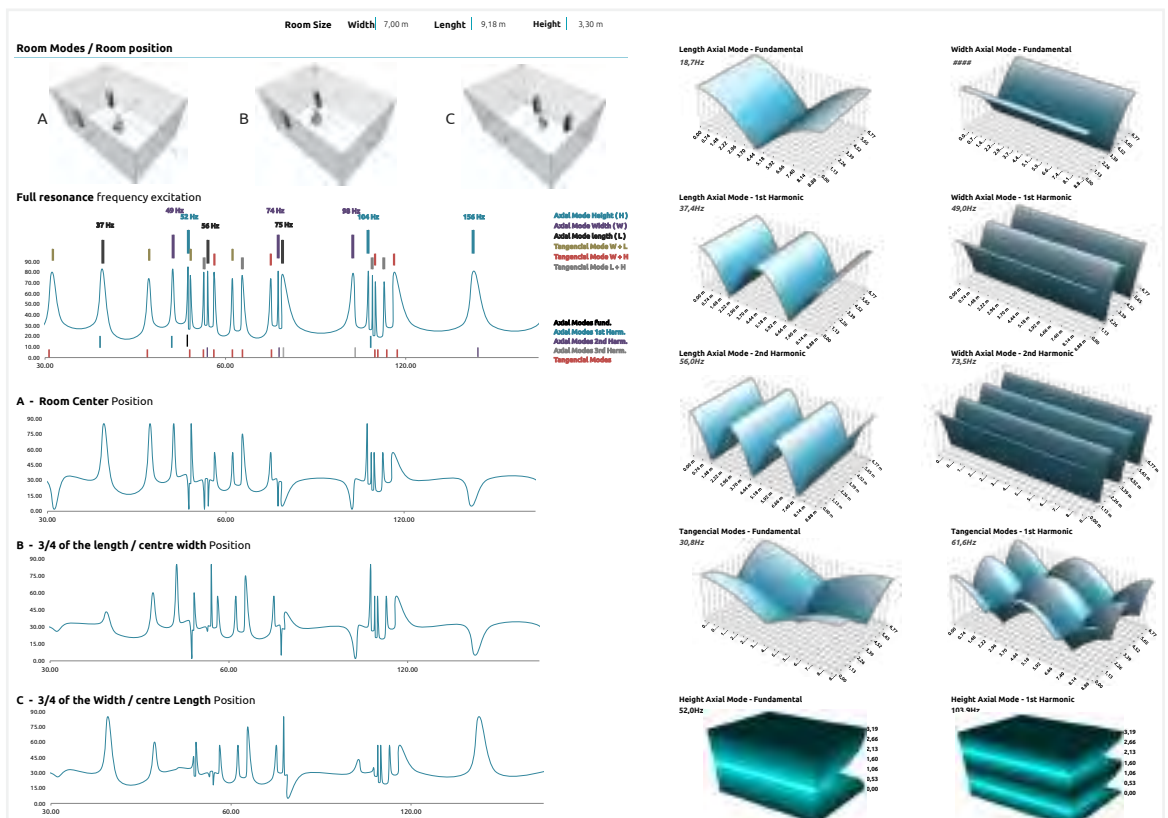
Outline Draw 2 - Lateral view



Outline Draw 3 - Lateral view



Outline Draw 4 - Lateral view



# IMPULSO ACOUSTICS APP

## IMPULSO ACOUSTICS APP

Impulso is a free app engineered by Artnovion to measure your room acoustics in accordance with your retrospective Artnovion panels via your smartphone or tablet (iOS only).

You can view the reverberation time (RT) in octave bands and then simulate how the acoustic response of your room can improve with the addition of Artnovion products. You can also check the frequency response of your measurement.

Start by typing your room dimensions and the type of room you want to measure. Choose your source of measurement (through a speaker or a external impulse, a balloon or clap).

Get personalised feedback on your results from Artnovion staff - just send them the results and the basics of the space. Their project department is fully available to assist you on further designing your room.



**DOWNLOAD THE  
APP TODAY**

Scan the QR Code to  
download the app now!





## SOUNDPROOFING & SOUND QUALITY

We all know what soundproofing and sound quality is, but what's the difference and how is it achieved? Artnovion's perception of sound is the result of the interaction of multiple sound waves that reflect over the given environment and interaction between sound waves themselves. When we hear sound in a room, the first wave that reaches you is the direct wave. As the name indicated, the wave has not interacted with the room, as it is directly from the emission source. Next, you will hear the first reflections from multiple surfaces. These reflections can be 2nd, 3rd or 4th orders, depending on the damping materials of the room.

The air velocity of sound is 344m/s. The reflected waves travel a longer distance, taking longer to reach the listener. This can create an echo effect, in which we perceive two distinct sounds caused by a time distinction of over 80ms.

Reverberation time is our indicator of sound decay in the room. By definition, it's the necessary time for sound energy to decrease by 60dB.

The acoustic quality of a space is dependent on various factors: it can be related to the homogeneity and non-homogeneity of the sound field and the quantity of energy in the room. These factors are engineered in accordance with the purpose of the room.

Artnovion have mastered the art of improving acoustics with their Absorption and Diffusion panels:

### ABSORPTION

Where energy is removed from the room thus causing a reduction or even a elimination of reflections.

### DIFFUSION

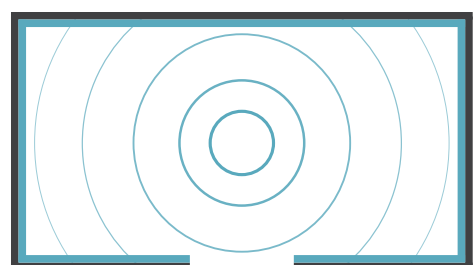
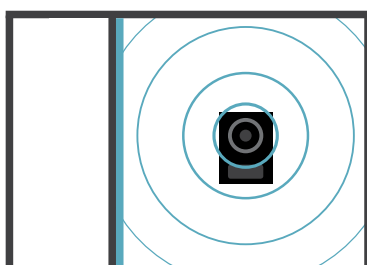
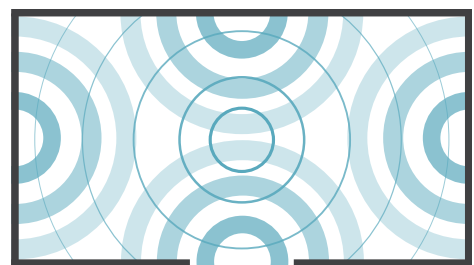
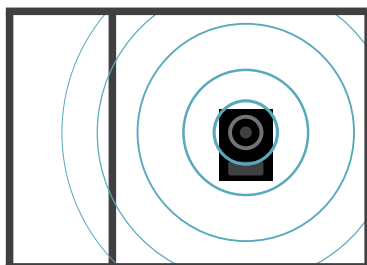
Where incoming waves are scattered and their energy distributed over a large area.

## SOUNDPROOFING ISOLATING SOUND

Sound can be suppressed by means of barriers. This will create a soundproof from which sound cannot escape.

## SOUND QUALITY OPTIMISING SOUND

Sound in an environment is a result of bouncing reflections. The way sound interacts with space can be shaped in order to offer a better perception of sound to the listener.



**ARTNOVION PROJECTS**

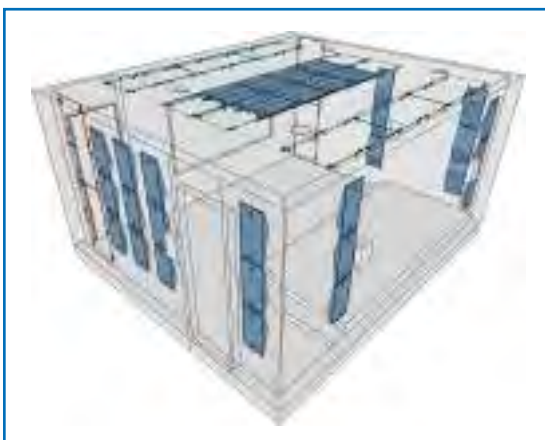
Artnovion acoustic recommendation for a home cinema.



**Image 1 - 3D Visualisation**



**Image 2 - Installation Outline Draw**



**Image 3 - Perspective**



**Image 4 - Top View**

**Proposed Fixing Systems:**

FixArt Tube 1170 Plastic



FixArt Tube M6 1170 Plastic



FixArt Tube BT 2.0



GlueArt



Panels with Integrated fixing system\*

\*Screws not included. Check surface type for appropriate wall plugs and screws

## ARTNOVION PROJECTS

Artnovion acoustic recommendation for a home cinema.



Image 1 - 3D Visualisation

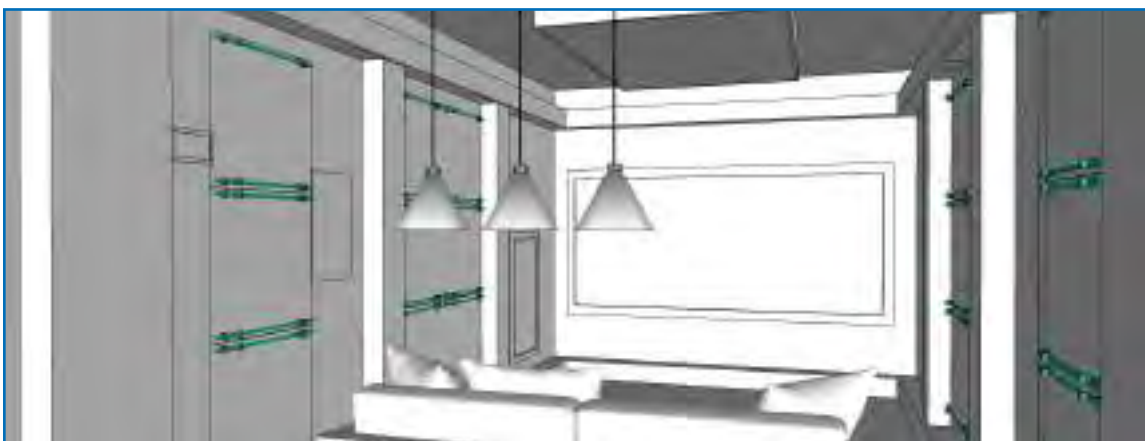


Image 2 - Installation Outline Draw

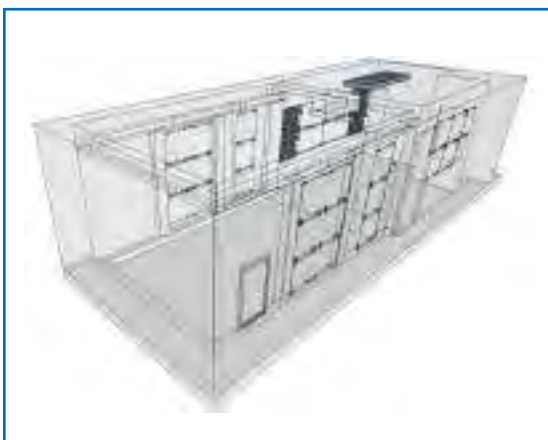


Image 3 - Perspective

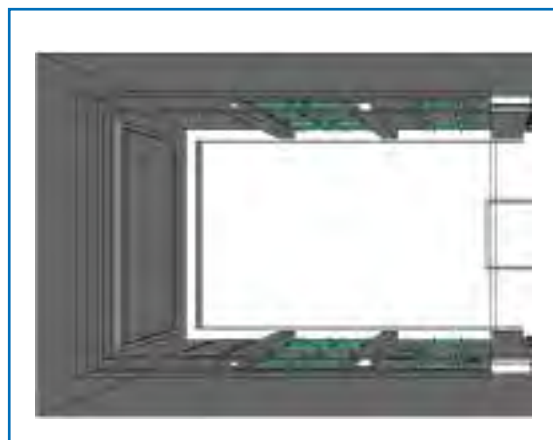


Image 4 - Top View

### Proposed Fixing Systems:



FixArt Tube 1170 Plastic



FixArt Tube M6 1170 Plastic



FixArt Tube BT 2.0



GlueArt



Panels with Integrated fixing system\*

\*Screws not included. Check surface type for appropriate wall plugs and screws



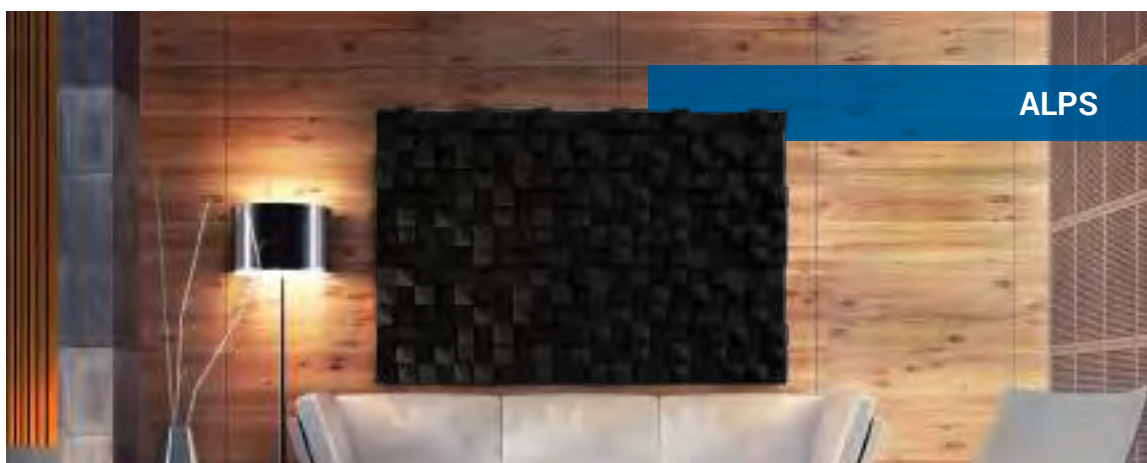
# FINISHED PROJECTS



LOA SQUARE



MERIDIA



ALPS



DOURO

# ABOUT AUDIOCONTROL

## DISTRIBUTED AUDIO

AudioControl offers a seamless fusion of dynamic performance and power efficiency, and is geared to delivering the ultimate in world-class AV technology. With a history of bulletproof reliability, their multi-room amplifiers offer truly astounding audiophile sound quality. Purpose built for the Custom Install market; AudioControl is the amplifier music lovers have been waiting for.

Located in America's Pacific Northwest - a region known for cool sound and earth-shattering innovation, for more than 40 years AudioControl have been designing and building superb audio equipment from scratch.

Still a small enough company to retain focus and quality, they are a group of obsessive audio experts—including some of the best engineers on the planet—making audio tools for people who love amazing sound.



# AudioControl®



## AUDIOCONTROL INTEGRATION

AudioControl Director amplifiers offer installers dual benefits, they can be operated as a standalone DSP amplifier or as part of a 3rd party control system from companies including Control4, Crestron, Savant and RTI. The Bijou and Rialto 600 models also have drivers available for integration with control systems.

The drivers provide two way feedback allowing a control system to send commands and receive status and configuration information back from the amplifier. They also feature a comprehensive set of control commands, which offers the installer discrete zone and source selection as well as volume control, with instant feedback to the system, so that things never get out of sync. Advanced driver features include settings such as bass and treble adjustment, group controls enabling/disabling signal sense, as well as recalling EQ presets (Director range only).

	Control 4	Crestron	RTI	Savant	URC
<b>Bijou 600</b>	IR RS-232	-	IR	IR RS-232	IR
<b>Director D Series</b>	IP	-	-	IP	IP
<b>Director M Series</b>	IP	IP	IP	IP	-
<b>Bijou/Rialto 600</b>	IR RS-232	-	IR	IR	IR

\*Power on/off state cannot be controlled over IP

Control4

CRESTRON

ELAN

RTI

SAVANT

U-C  
Control the Experience.



BIJOU 600

# SOUND PARTNERS PROGRAMME

## SOUND PARTNERS PROGRAMME

Exclusive Speaker Profiles by leading speaker brands encrypted in to the DSP in the AudioControl Director Series. Defined by brand, model, with custom EQ settings and filters provided by the speaker manufacturer. You can also create your own curves - your signature sound - to save as presets, making for quicker set-up and commissioning.



## SPEAKER PROFILES

With today's superlative loudspeaker designs, products from these brands would likely require little if any fine-tuning in an ideal environment. However when you factor in individual room acoustics for each home, these speaker profiles achieve an important step in providing the custom integrator the tools to deliver a premium entertainment experience by calibrating the systems for their clients. Together with the DSP capabilities in the Director M-Series amplifiers, AudioControl gives integrators the most efficient means to make that happen while differentiating themselves in a competitive market.

## PARTNERS INVOLVED



## MATRIX DISTRIBUTED AUDIO

AudioControl offers a seamless fusion of dynamic performance and power efficiency, and is geared to delivering the ultimate in world-class AV technology. With a history of bulletproof reliability, their multi-room amplifiers offer truly astounding audiophile sound quality. Purpose built for the CI market; AudioControl is the amplifier music lovers have been waiting for.



### THE DIRECTOR M6400

The Director Model M6400 harnesses powerful DSP processing to enable full matrix flexibility of any input to any output. The matrixing capabilities of the Director M series allow any of eight analogue or two digital inputs to be routed to any zone output. The Director Model M6400 includes two digital SPDIF inputs plus two SPDIF outputs that are included in the matrixing so that any one of the input sources can be routed through the digital outputs. These digital outputs can be connected to Director M series digital inputs so that multiple amplifiers can receive any signal from any inputs from any of the amplifiers. The Director Model M6400 has the benefit of operating either as a standalone matrix-amplifier or as part of a 3rd party control system from companies including Crestron, Savant and Control 4.

### FEATURES

- 8 Audio Zones
- 16 x 65W Power Output
- 8 x Stereo Phono Analogue Input
- 2 x Coax Buss Digital Input
- DSP Sound Partners
- 12V Trigger Control
- Rack Space - 2U
- Rack Mount Kit Included
- Dims (DxWxH)  
393.7 x 431.8 x 88.9mm

## OTHER MODELS AND SIZES AVAILABLE



DIRECTOR M6800



DIRECTOR M4800



DIRECTOR M4840

## CONTROL DRIVERS

Control4

CRESTRON

ELAN

RTI  
It's Under Control

SAVANT

U-C  
Control the Experience.



## NETWORK AMPLIFIERS

The Director Models from AudioControl offer both system amplification and programmable signal processing via an Ethernet connection. The unique multi-channel products couple highly powerful, yet efficient, amplification with powerful DSP (digital signal processor). They break new ground by providing custom installers with power and flexibility in a single, compact chassis.



### THE DIRECTOR D4600

The Director® D Series gets smarter, slimmer and more powerful. With power now up to 100 watts per channel, the Director® D Series are powerful and flexible enough for the most demanding applications. The Director Model D4600 offers both system amplification and programmable signal processing via IP, configure graphic and parametric EQ, crossovers, volume control, zone grouping, network monitoring and more using the onboard DSP. Popular in the M Series, the D Series now feature built-in speaker profiles from members of AudioControl's sound partners™ programme, offering DSP optimised speaker calibrations from a growing list of prominent loudspeaker manufacturers.

### FEATURES

- 8 Audio Zones
- 16 x 100W Power Output
- 8 x Stereo Phono Analogue Input
- 2 x Stereo Phono Buss
- DSP - Sound Partners
- 12V Trigger Control
- Rack Mount Kit Included
- Rack Space - 2U
- Dims (DxWxH)  
393.7 x 431.8 x 88.9mm

## OTHER MODELS AVAILABLE



DIRECTOR D2800

## CONTROL DRIVERS

Control4

CRESTRON

ELAN

RTI  
It's Under Control

SAVANT

U-C  
Control the Experience.

## ARCHITECT P SERIES

The Architect P Series superbly complements AudioControl's popular high-power Architect Multi-zone amplifier series with an industry leading 100 Watts RMS per channel solution, skillfully engineered in to a 2U Chassis. These new models are available with 8, 12 or 16 channels and are designed and manufactured in the USA exclusively for the Custom Install market. Both models are available with or without AudioControl's legendary equalisation controls depending on the needs of the project. The Architect P Series delivers over 100 watts per channel into 8 ohms, 200 watts per channel into 4 ohms; all channels driven. Additional adjoining channels can be bridged to 400 watts. The Architect P Series uses a cool running proprietary design, including AudioControl's LightDrive™ anti-clipping protection, input bussing capability, output pass-thru, master 12v trigger in/out plus local 12v trigger inputs on all zones, signal sensing as well as plus digital inputs through a SPDIF input for digital sources.



### P2660

The P2660 uses a cool running proprietary design, including AudioControl's LightDrive™ anti-clipping protection and features input bussing capability, output pass-thru, master 12V trigger in/out plus local 12V trigger inputs on all zones, signal sensing as well as plus coax SPDIF inputs for digital sources. Available in a robust black powder coat finish, the Architect Model P2660 is designed, engineered and manufactured at AudioControl's manufacturing facilities located in Seattle, USA.

### FEATURES

- 8 Audio Zones
- 16 x 100W Power Output
- 8 x Stereo Phono Analogue Input
- 12V Trigger Control
- Rack Mount Kit Included
- Dims (DxWxH)  
393.7 x 431.8 x 88.9mm

## OTHER MODELS AND SIZES AVAILABLE



ARCHITECT P2680EQ



ARCHITECT P2260



ARCHITECT P2280EQ

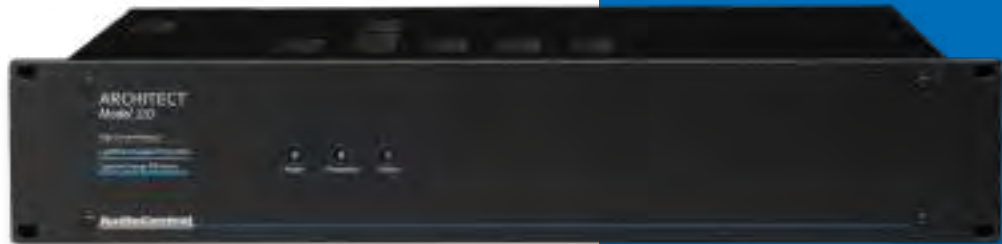


ARCHITECT P800

# 2-CHANNEL ARCHITECT

## ARCHITECT SERIES

Pristine sonics are the first goal of any AudioControl amplifier design. Ultimately, music and enjoyment are what they're delivering. Everyone at AudioControl relishes this responsibility, and they take it seriously in all that they do. Not only should an amplifier sound great; it must perform within the unique application of a whole-house audio system.



### ARCHITECT 110

Want superb sound quality while driving eight speakers from a 2-channel distributed audio amplifier? Want AudioControl legendary reliability with amazing energy efficiency? The wait is over as AudioControl has introduced their high powered, great sounding stereo amplifier, the Architect Model 110. All of these are standard features of the new AudioControl Architect Model 110 amplifier as it will comfortably drive 8 speakers (stable into 2 ohms) and has an astonishingly low energy usage, meeting the new stringent Energy Star 2 requirements. The AudioControl Architect Model 110, is a unique two-channel amplifier specially optimised for multi-room needs. The Architect Model 110 also boasts the meticulous quality and bulletproof reliability for which AudioControl's custom install designs are widely known.

### FEATURES

- 2 x 60W Power Output
- 2 x Stereo Phono Analogue Input
- 12V Trigger Control
- Rack Mount Kit Included
- Dims (LxWxH)  
304.8 x 431.8 x 88.9mm

## OTHER MODELS AND SIZES AVAILABLE



ARCHITECT 210EQ



# COMPACT AMPLIFIERS

## COMPACT ZONE AMPLIFIERS

These diminutive gems deliver performance that belies their size. With the specification and sonic dynamism that many larger amplifiers do not deliver, AudioControl's compact zone amplifiers will blow you away! With audiophile-grade digital to analogue converter, awesome connectivity and design to compliment all manner of streaming audio systems like SONOS, HEOS, etc - this is the perfect way to supercharge your listening experience.



### RIALTO 600

The AudioControl Rialto 600, is a compact, high-powered amplifier with a built-in audiophile-grade DAC designed specifically to provide greater performance and higher sound quality for all analogue and digital systems, including Sonos® home entertainment systems. The Rialto 600's amplifier delivers over 100 watts of power per channel into 8 ohms and 200 watts per channel into 4 ohm loads. Features a built-in high-performance Wolfson® DAC that drastically improves audio quality, digital and analogue audio-systems can perform with better speakers across the home. This choice of audiophile-quality DAC allows connected digital audio sources such as Apple TV, Pandora® and Spotify® to provide higher quality acoustics with clearer, more accurate analog signals during playback.

### FEATURES

- 100W at 8 ohms
- 200W at 4 ohms
- Bridgeable at 400W
- Stable down to 3.6 ohms
- SMART priority input switching
- 1 x Digital Optical
- 1 x Digital coaxial
- 1 x Analogue stereo
- 1 x 3.5mm stereo
- Speaker level inputs
- subwoofer output
- Wolfson DAC
- AccuBASS bass response adjustment
- Available in black or white

## OTHER MODELS AND SIZES AVAILABLE



RIALTO 400



BIJOU 600

## CONTROL DRIVERS

Control4

CRESTRON

ELAN

RTI  
It's Under Control

SAVANT

U-C  
Control the Experience.



# ABOUT AUTONOMIC

## THE AUTONOMIC SOLUTION

Autonomic got its start in 2006 when digital music was in its infancy. The first product made it possible to play back music via control system touch panels – complete with album art, browsing capability, and many of the music features that seem standard today.

By 2009, they began to recognise a growing trend towards streaming music, which at the time represented less than 2% of all digital music listening. After partnering with Sirius XM Radio and a fairly new company called Pandora Radio, they launched one of the industry's first cloud-connected digital music servers.

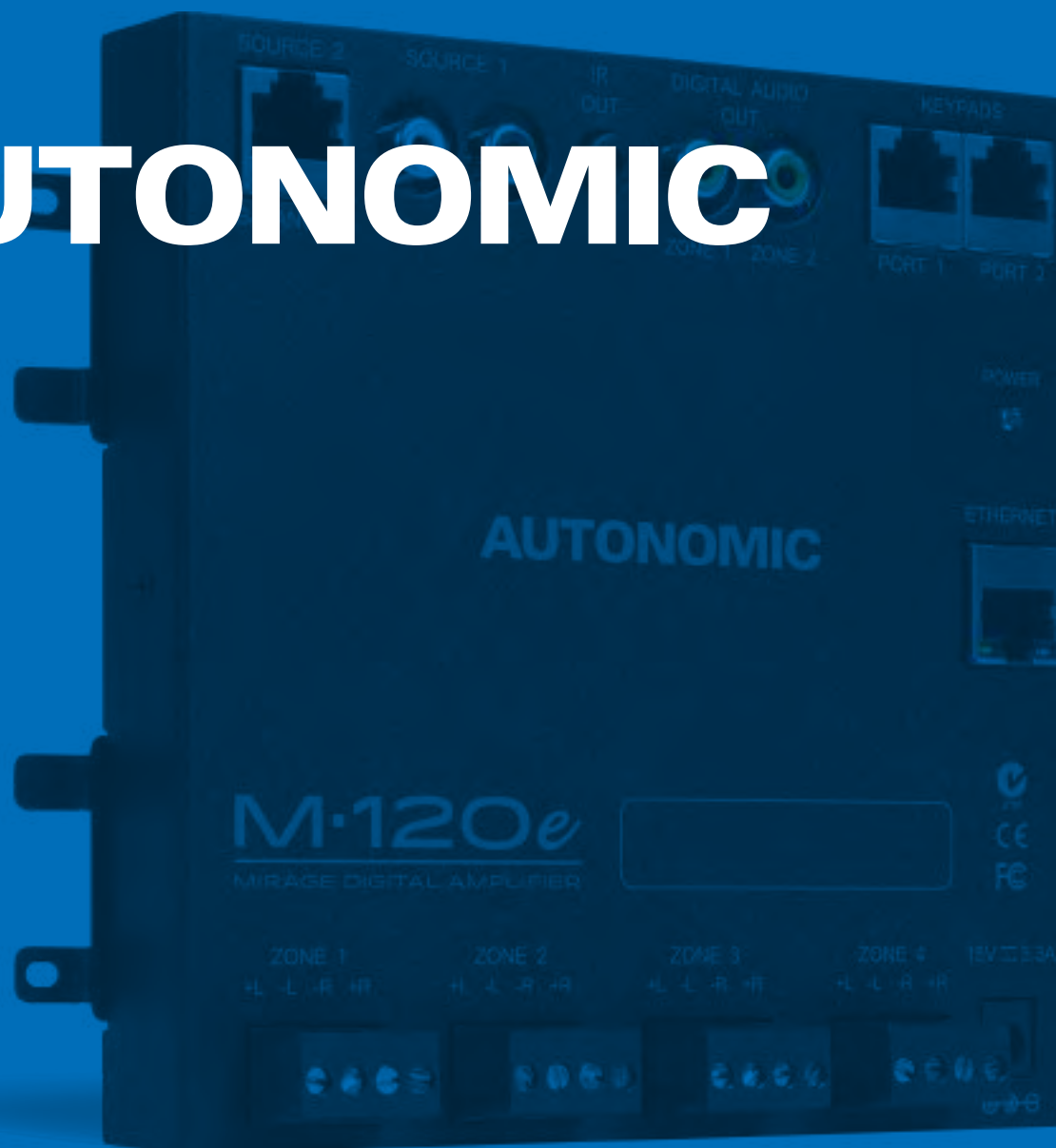
Over the next several years they bolstered their product line, and list of music streaming services, giving users a listening experience without compromise.

Whole home Audio comes in all shapes and sizes, and Autonomic enable a system to be tailored to the listeners requirements. Up to 32 sources to 96 zones of pure hi-res 24bit/192kHz audio.

And their innovative, 'music-first' approach means you don't have to sort through services or worry about Bluetooth cutting out. You can simply sit back, relax, and ENJOY THE MUSIC.



# AUTONOMIC



# AUTONOMIC VS SONOS

## ADVANTAGES VS SONOS

# 1

### Control System Integration

Did Sonos integration with Control4 and Spotify catch you off guard? Autonomic has manufacturer supplied and supported modules for the industry's leading control systems.

# 2

### Hi-Resolution Audio

Give your customers the best in audio with support of full High-resolution Audio (HRA) at 24bit/192kHz, as well as ample internal storage, which eliminates the need to stream from a computer to listen to local music files.

# 3

### Consumer Cost & Dealer Margin

On a per-zone basis, Autonomic and Sonos systems feature a similar MSRP, but Autonomic offers considerably higher margins.

# 4

### Technical & Customer Support

Autonomic products are backed by award-winning technical and customer support, so you can install with confidence.

# 5

### Channel Exclusivity

Dedicated exclusively to CEDIA installers, Autonomic is not available online or in retail chains, and won't engage in post-sale marketing to your customers.

## ADVANTAGES VS CONTROL SYSTEM-BASED STREAMING

# 1

### Vast Lineup of Streaming Services

Autonomic offer native Spotify and Pandora control integration, including browse and search functionality. You even have access to more than a dozen other streaming services.

# 2

### Music First Approach

Innovative TuneBridge™ features allow for a streamlined listening experience across multiple services. Listening to a song on Spotify? Use it to start a Pandora radio station.

# 3

### High-Res Audio

Get true multi-zone, high-res audio support with Tidal and Deezer - plus local and external storage.

# 4

### Cloud-Based Synchronisation

Multi-location cloud syncing makes it easy to share a library between homes.

# 5

### Apple Compatibility

iTunes synchronisation and Airplay support enable customers to incorporate all Apple music.

## AUTONOMIC MEDIA SERVERS

Autonomic is a leading innovator of digital media solutions and their first cloud based media servers offer advanced solid state drive technology, aggressive performance yet near silent running. Sync and schedule an entire music collection with dynamic online streaming to many zones.



### MMS-1e

The MMS-1e music streamer is a solid-state, single-source music player complete with the features and functionality expected from the Mirage family of products. Seamlessly integrate the MMS-1e into any of the popular automation systems, and deliver playback of pure, 24-bit/192KHz high-resolution audio, in addition to the most popular online music streaming services. Mirrored physical outputs allow for the utmost flexibility. Paired with the M-120e Digital Amplifier, the MMS-1e supports up to two discrete streams of audio over Ethernet using eAudioCast technology.

### FEATURES

- 2 x eAudioCast Streams
- 32Gb Internal Storage (10,000 songs)
- IP Control
- S/N Ratio 96dB, A weighted
- 4 feet and 2 brackets included
- Mirage Media Sync
- High Resolution 24bit/192kHz
- Dims (D x W x H) 100x153x36mm

### STREAMING SERVICES



### SEAMLESS INTEGRATION



## AUTONOMIC MEDIA SERVERS

**MMS-3e**

The MMS-3e music streamer is a solid-state, three-source music player complete with the features and functionality expected from the Mirage family of products. Seamlessly integrate the MMS-3e into any of the popular automation systems, and deliver playback of pure, 24-bit/192kHz high-resolution audio. Digital and analogue physical outputs allow for the utmost flexibility. Paired with compatible eSeries devices, the MMS-3e supports up to three discrete streams of eAudioCast, our audio-over-Ethernet technology.

**MMS-5e**

The MMS-5e music streamer is a solid-state, five-source music player complete with the features and functionality expected from the Mirage family of products. Seamlessly integrate the MMS-5e into any of the popular automation systems, and deliver playback of pure, 24-bit/192kHz high-resolution audio, in addition to the most popular online music streaming services. Digital and analogue physical outputs allow for the utmost flexibility. The MMS-5e supports up to five discrete streams of eAudioCast, our audio-over-Ethernet technology.

	MMS-3e	MMS-5e
Internal Storage	120GB (25,000 songs)	256GB (50,000 songs)
External Storage	Via USB, Hard drive and network storage	Via USB, Hard drive and network storage
Audio Streams	3	5
Digital to Analogue Conversion	High-Resolution 24-bit/192kHz	High-Resolution 24-bit/192kHz
Supported Sample Rates	44.1/48/96/192kHz at 16-bit or 24-bit res	44.1/48/96/192kHz at 16-bit or 24-bit res
S/N Ratio	96dB, A weighted	96dB, A weighted
Video Outputs for OSD	HDMI (Max resolution 1920x1080)	HDMI (Max resolution 1920x1080)
Local Synchronisation	Mirage Media Sync for Mac and Windows	Mirage Media Sync for Mac and Windows
Control Systems Protocols	IP, 2-way documented API	IP, 2-way documented API
Control Interfaces	AMX, Command Fusion, Control4, Crestron, RTI, Savant, KNX	AMX, Command Fusion, Control4, Crestron, RTI, Savant, KNX
USB	(3) USB 2.0	(3) USB 2.0
Dimensions (H x W x D)	57mm x 430mm x 250mm (1U Rack)	57mm x 430mm x 250mm (1U Rack)
Mounting	4 screw on feet and 2 rack ears included	4 screw on feet and 2 rack ears included

## MIRAGE DIGITAL AMPLIFIERS

All eSeries amplifiers support proprietary Autonomic eAudioCast™, enabling high-resolution audio (HRA), up to 24-bit/192KHz, over ethernet. Place amplifiers, servers and legacy source components anywhere in a residence and connect all components to the audio network with a single Cat5/Cat6 cable at high resolution bit depths.



### M-120e

The M-120e Mirage digital amplifier supports four rooms of audio at 30 Watts per zone. Its smaller form factor offers flexibility with placement of the unit, enabling installation into a structured wiring enclosure or wall mounting. The M-120e provides simultaneous amplification for two local source inputs or two eAudioCast™ network streams in as many as 96 rooms. The M-120e can be accessed wirelessly when used with the MMS-1e music streamer.

### FEATURES

- 4 Audio Zones
- 8x15W Power Output
- IP Control
- Dims (DxWxH) 165x147x35mm

## HIGH RESOLUTION MULTI-ROOM AUDIO SYSTEM

The Mirage Audio System can support up to 96 individual zones of audio, making it an outstanding choice for everything from small residential projects to the largest commercial environments.

### OTHER MODELS AND SIZES AVAILABLE



M-401e



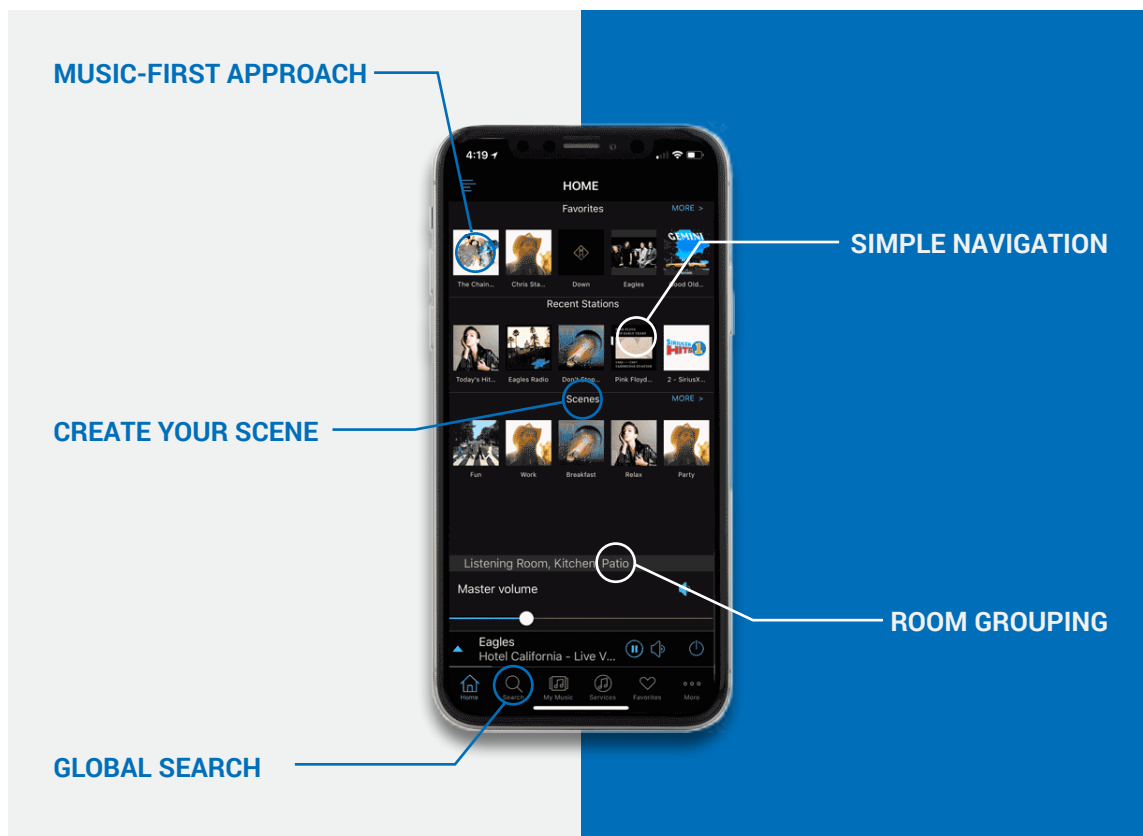
M-801e

# TUNEBRIDGE APP

## AUTONOMIC TUNEBRIDGE

Designed with a music-first approach, this app allows you to search songs across services, add favourites, create scenes and more. Global search allows you to search across all your streaming services and local files simultaneously. Plus, the app will automatically select the highest-quality source for you to listen to.

An innovative control panel makes it easy to find what you're looking for and puts the most popular functions like Room grouping, Scenes and favourites just a click away.



**DOWNLOAD THE APP TODAY**

Scan the QR Code to download the app now!







TuneBridge

# ABOUT ORIGIN ACOUSTICS

## THE ORIGIN

- |      |   |
|------|---|
| 1978 | Introduced the first flush mount high fidelity In-ceiling speakers  |
| 1979 | Designed and introduced the first speaker with adjustable tweeter volume control.                           |
| 1982 | Introduced the first In-wall speakers   |
| 1985 | Designed and patented first In-wall and new construction installation bracket                               |
| 1986 | Designed the world's first in-wall subwoofer system   |
| 1994 | Introduced SpeakerCraft as its own brand  |
| 1994 | Offered the first lifetime warranty for architectural speakers  |
| 1997 | Patented the first 'aimable' loudspeaker for In-ceiling installation  |
| 2007 | Patented AIM® speaker inducted into the CEDIA hall of fame  |
| 2012 | Jeremy Burkhardt, Ed Hasse and Ken Humphreys began the process of reinventing the architectural loudspeaker |
| 2013 | Patent pending for ZipClip® and SpringLock® tool-less mounting systems                                      |
| 2014 | Origin Acoustics Director Collection Launched in the USA  |
| 2016 | Director Collection receives a CEDIA award for the most innovative product of the year                      |
| 2016 | Director Collection receives 'Loudspeaker of the year award' from Essential Install magazine                |
| 2017 | 2 <sup>nd</sup> Generation Director Speaker Launched  |
| 2017 | Origin Acoustics applies for patents on the Valet Amplifier   |
| 2018 | Explorer. The 1st truly Marine grade audiophile CI speakers are released                                    |



ORIGIN  
ACOUSTICS®

# AMPLIFIERS





## VALET AMPLIFIERS

The world's first and only premium amplifiers purpose-designed to combine the voice control genius of the Amazon Echo Dot with the performance and ergonomics of the finest in Custom Installation. Our love of music has not diminished over the years, and the way we experience music in our homes is hallmarked by almost a century of constant change and refinement. The desire to push for more has brought us to the Valet.



### AV850

Valet amplifiers seamlessly integrate the Amazon Echo Dot into any multi-zone system to create an interactive voice control network that's as easy to use as the best known consumer tech products. Enjoy voice activated control of virtually all of your music libraries, including Pandora, Amazon Music and Spotify. Valet will access and play them all directly from the Amazon Echo Dot.

### FEATURES

- 8 Channels/ 4 zones
- 50W Output
- 20Hz - 20KHz Frequency Response
- Auto On Sensitivity 2.5mV
- Bridged Power 90W RMS at 8  $\Omega$

# VALET AMPLIFIER

HIDE THE DOT ● CONNECT THE DOT ● POWER THE DOT



## DESIGNER AMPLIFIER COLLECTION

An amplifier should be transparent, it should literally be just wire with gain. At Origin they pride themselves on offering no-compromise amplifiers to drive their loudspeakers. Whether you require a stereo or multi-channel version, their amplifiers feature high efficiency, Class-D power that is built to last and will reproduce every nuance of every recording.



### A2150

A2150 - Two Channel, Stereo Amplifier  
At 150 watts of power to each channel and 300 watts in bridged mode and the ability to consistently drive a 4-ohm load, this is a workhorse that can be used as a building block in any system. Its automation and protection circuits serve to make it the perfect choice for home cinema or multi-room/multi-zone applications.

### FEATURES

- 2 Audio Channels
- 2 x 95W Power Output
- 1 x Analogue RCA Audio Input
- 12V Trigger Control
- 2U Rack Space
- Dims (LxWxH)  
340mm x 450mm x 89mm

## OTHER MODELS AVAILABLE



A1250 (12 x 50W)

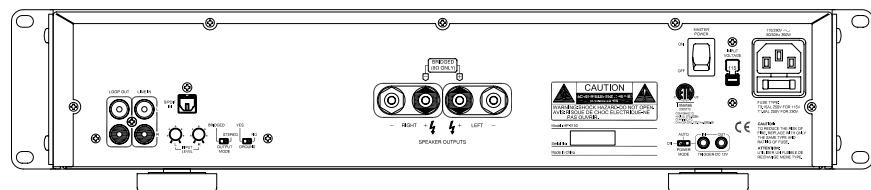


SUBA500

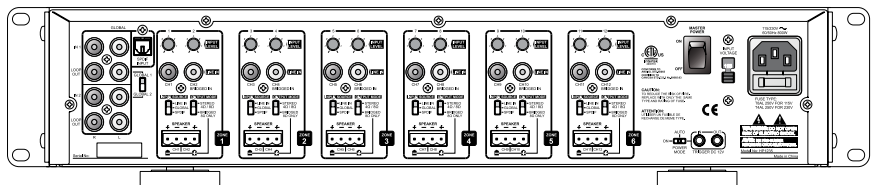


SUBA150

A2150



A1250





# IN-CEILING SPEAKERS

## ORIGIN ACOUSTICS

Improving the way you experience sound has been the focus of the Origin team for over three decades.

These speaker designers and engineers have over 100 years of collective experience, have won hundreds of awards for their efforts and have invented numerous patented technologies that have dramatically advanced the art of sound reproduction.

The In-ceiling speakers within this guide are a culmination of their incredible passion and commitment to the loudspeaker and its performance.

## DIRECTOR COLLECTION

The advancements of the Director Collection are unique to Origin Acoustics and can only be found in their products. The speakers install into smaller cut-outs. They've chosen to use premium materials like Kevlar or Glassfiber, to ensure long lasting clear audio. The unique tool-less installation system makes upgrading to whole home audio quick and easy.



6"

### 6" MODELS

The 6" Director Series is both powerful and discreet. It has five performance levels offering a solution for systems that demand sonic purity in smaller places. Sharing technologies with its larger sibling, the 6" Series will surprise listeners with its detail and impact.

8"

### 8" MODELS

Better bass and greater output levels in the Director 80 series is obvious the moment it goes active. The unique Tri-Linear, three-way driver configuration features the FocalPoint mid-tweeter module that pivots to aim the sound in any direction as needed. It's most amazing features is fitting all of this performance into a flush mount package that size of a standard 6" ceiling speaker.

10"

### 10" MODELS

A massive 10" woofer backs up the incredible FocalPoint mid tweeter assembly in the TriLinearm three way configuration. The FocalPoint also pivots to assure the sound ends up exactly where it needs to be. In addition this 10" speaker astoundingly fits into a footprint the size of a conventional 8".

## LIFETIME GUARANTEE

With an IPX6 rating, the entire Director Collection is at the top of the class. This rating ensures that these high-performing speakers are safe from the corrosion and internal damage commonly posed by bathrooms & other humid environments.

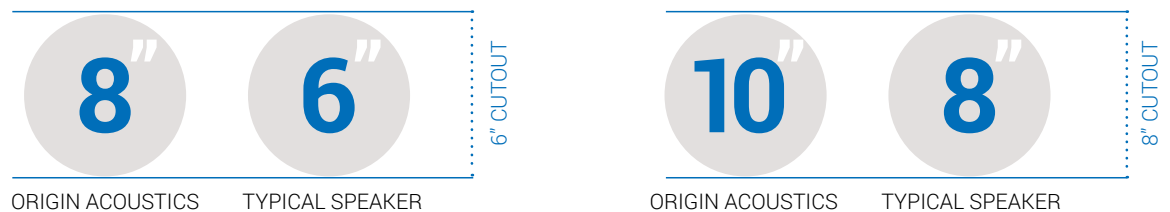
**ZIP CLIP**

Install in as little as 12 seconds!

It is important when installing a loudspeaker in the ceiling that it be stable and secure, restricting the vibration of the assembly and limiting transfer of energy into the wall. The revolutionary Zip-Clip system spreads the weight of the speaker over a larger area than typical mounting systems accomplishing this result with minimal effort. Spring-loaded clips also create more uniform pressure against the drywall eliminating any warping or distortion of the speaker baffle.

**SMALLER CUTOUT**

A massive 10" woofer backs up the incredible FocalPoint mid tweeter assembly in the TriLinearm three way configuration. The FocalPoint also pivots to assure the sound ends up exactly where it needs to be. In addition this 10" speaker astoundingly fits into a footprint the size of a conventional 8".



MORE  
**BASS**  
LESS  
**SPACE**





## DIRECTOR COLLECTION

**6" IN-CEILING SPEAKERS**

The 6" Director Series is both powerful and discreet. It has five performance levels offering a solution for systems that demand sonic purity in smaller places. Sharing technologies with its larger sibling, the 6" Series will surprise listeners with its detail and impact.

**D61**

Choosing the right drivers is part of the blend of art and technology that creates Origin Acoustic's signature sound. The woofer cone in the D61 is made of Poly Rubber which offers low mass and durability. The silk dome tweeter pivots allowing the installer to direct the critical high frequencies toward the listening area.

**FEATURES**

- 6.5" Polypropylene Woofer
- 1" Silk tweeter
- 222mm Cutout diameter
- 6 Pack
- ZipClip mounting system

**OTHER MODELS AND SIZES AVAILABLE**

D63



D65



D67



D69



D61DT



D63DT/SUR

**LIFETIME GUARANTEE**

With an IPX6 rating, the entire Director Collection is at the top of the class. This rating ensures that these high-performing speakers are safe from the corrosion and internal damage commonly posed by bathrooms & other humid environments.

## 8" IN-CEILING SPEAKERS

Better bass and greater output levels in the Director 80 series is obvious the moment it goes active. The unique Tri-Linear, three-way driver configuration features the FocalPoint mid-tweeter module that pivots to aim the sound in any direction as needed. It's most amazing features is fitting all of this performance into a flush mount package that size of a standard 6" ceiling speaker.



### D85

Choosing the right drivers is part of the blend of art and technology that creates Origin Acoustic's signature sound. The woofer cones in the D81 are made of Injection moulded graphite which offers low mass and durability. The silk tweeter pivots allowing the installer to direct the critical high frequencies toward the listening area.

### FEATURES

- 3 way, fully pivoting
- 8" IMG Woofer
- 1" Silk tweeter
- 222mm Cutout diameter
- ZipClip mounting system
- 142mm mounting depth

## OTHER MODELS AND SIZES AVAILABLE



D81



D83



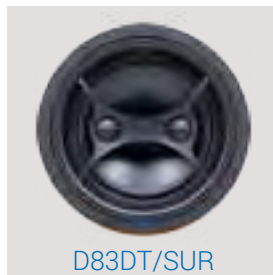
D83A



D87



D89



D83DT/SUR

## LIFETIME GUARANTEE

With an IPX6 rating, the entire Director Collection is at the top of the class. This rating ensures that these high-performing speakers are safe from the corrosion and internal damage commonly posed by bathrooms & other humid environments.

### 10" IN-CEILING SPEAKERS

A massive 10" woofer backs up the incredible FocalPoint mid tweeter assembly in the TriLinear three way configuration. The FocalPoint also pivots to assure the sound ends up exactly where it needs to be. In addition this 10" speaker astoundingly fits into a footprint the size of a conventional 8".



#### D109

When real dynamic bass from the ceiling is the demand, the Director 10" series is the obvious answer. A massive 10" Kevlar woofer backs up the incredible pivoting 4" Kevlar cone. And with the patented Silk DPSD tweeter, this three-way configuration assures the sound ends up exactly where it needs to be. This is the ultimate full-range in-ceiling speaker.

#### FEATURES

- 10" Kevlar woofer
- 1" silk DPSD tweeter
- 264mm cut out diameter
- 25 Hz - 20 kHz
- ZipClip mounting system

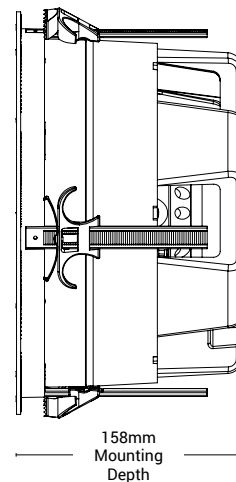
### OTHER MODELS AND SIZES AVAILABLE



D105



D107

158mm  
Mounting  
Depth

### LIFETIME GUARANTEE

With an IPX6 rating, the entire Director Collection is at the top of the class. This rating ensures that these high-performing speakers are safe from the corrosion and internal damage commonly posed by bathrooms & other humid environments.



# PRODUCER COLLECTION

## PRODUCER COLLECTION

Carefully crafted with an impressive price to performance ratio, the Producer Collection is our entry-level offering that is anything but entry-level in sound quality. With five in-ceiling models, there are a variety of options for any number of applications. The collection includes two dual-tweeter models producing stereo from a single speaker, a perfect solution for hallways, bathrooms and walk-in wardrobes.



### P80

In its 8" configuration the P80 steps up its bass output while maintaining its overall smooth sonic blend. The P80 offers features usually reserved for higher priced loudspeakers and combines them to create impressive sound quality.

### FEATURES

- 8" Polypropylene Woofer
- 1" Silk tweeter
- 251mm Cutout diameter
- 96mm Deep
- Dog leg mounting system

## OTHER MODELS AND SIZES AVAILABLE



P80DT



P60



P61



P60DT

## LIFETIME GUARANTEE

With an IPX6 rating, the entire Director Collection is at the top of the class. This rating ensures that these high-performing speakers are safe from the corrosion and internal damage commonly posed by bathrooms & other humid environments.

## MINIMAL OPENING COLLECTION

The Director Minimal Opening series features the smallest footprint in the Director range. Providing perfect sound from our smallest in-ceiling speaker yet. The series offers discrete, high quality sound in spaces that require a sleek finish.

### DSUB6/DSUB8

The Director Multi-Finish System is a minimal-aesthetic fully distributed in-ceiling audio system engineered to provide deep ample bass and even sound coverage from a port-tuned box subwoofer and an arrangement of in-ceiling speakers in multiple finishes to mimic the appearance of stylish recessed lighting.

### FEATURES

#### DSUB6

- 33Hz
- 100W
- 2 x 6.5"

#### DSUB8

- 27Hz
- 150W
- 2 x 8"



### CLEAN, POWERFUL BASS

Only audible worthy bass frequencies pass through the port of the DSUB from the bandpass to deliver a powerful listening experience. This ensures power is strictly utilised in creating the true fidelity low-end output.

### DUELING EFFORT

Two high-density aluminium woofers sit across from one another inside of the subwoofer enclosure. As a result, the output is enhanced while distortion and cabinet vibrations are significantly reduced.

### OTHER MODELS AND SIZES AVAILABLE



D39



D57



D59

### LIFETIME GUARANTEE

With an IPX6 rating, the entire Director Collection is at the top of the class. This rating ensures that these high-performing speakers are safe from the corrosion and internal damage commonly posed by bathrooms & other humid environments.

# THIN FIT COLLECTION

## THIN FIT COLLECTION

Integrate into any ceiling. With a mounting depth of only 2.75 inches, speakers in the ThinFit collection meet the unique challenges presented by restrictive above-ceiling areas. Origin Acoustics are proud to present a loudspeaker with superior sonic performance that installs in limited depth. ThinFit speakers feature a powder-coated steel back can. This built-in enclosure provides complete protection of the loudspeaker's components, it also reduces sound transfer between rooms by up to 9dB.



### TF36

With a mounting depth of only 70mm, these are the perfect solution for installs with a shallow ceiling cavity.

Designed for specific installation applications, the Thin Fit Collection addresses the need for speakers with limited depth but full sound, all inside an integrated enclosure.

### FEATURES

- Dual 3.5" Glass fibre woofer
- Dual 3.5" Glass fibre mid range
- 0.75" Silk DPSD tweeter
- 70mm Deep
- 222mm Cutout diameter
- Dog leg mounting system

## OTHER MODELS AND SIZES AVAILABLE



TF64DT

# B&O CELESTIAL

## B & O CELESTIAL COLLECTION

Delivering the most sonically impressive architectural loudspeakers with Bang & Olufsen's distinctive look of understated luxury. While all the sound power is hidden away in the ceiling, the visible speaker grilles remain true to the Bang & Olufsen design philosophy of understated luxury that complements any home interior.



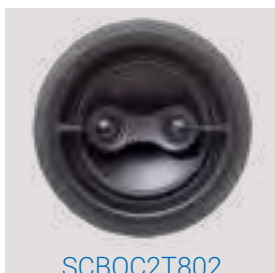
### SCBOC80600

All music. Zero clutter. Origin Acoustics and Bang & Olufsen have teamed up once again with their shared philosophy of design and engineering performance to deliver the most sonically impressive architectural loudspeakers with Bang & Olufsen's distinctive look of understated luxury. A marriage between sonic bliss and stunning design, the BOC86 delivers room-filling sound beyond all imagination from behind a discreetly elegant aluminium lined grille.

### FEATURES

- 8" FibreGlass Woofer
- Pivoting 4" Fiberglass Midrange
- Pivoting 1" Tonearm™ Silk Tweeter
- Zip Clip Installation
- 222mm Cutout diameter

**OTHER MODELS AND SIZES AVAILABLE - CALL 01359 270280 FOR DETAILS**



SCBOC2T802



SCBOC60200

# ENTERTAINER COLLECTION

## ENTERTAINER COLLECTION



### E60

The Entertainer Collection offers high performance sound at entry level pricing. Crafting a sound unmatched by the similarly priced alternatives, the Entertainer offers quality sound whilst being easily upgradeable. This is because the Entertainer can be optionally mounted in the BR68, a bracket compatible with Director 6" and 8" models for easy future upgrades.

### FEATURES

- 6.5" Polypropylene Woofer
- 0.5" PEI Tweeter
- 203mm Cutout
- 89mm Depth
- 6 Pack





# FIRST FIX OR PRE-INSTALL

## FIRST FIX OR PRE INSTALL

These products make it easier for you to prepare and pre-install for a project. Does your install project still have a ceiling that needs painting? No problem, these products can still be installed so when it is ready, the speaker can be fitted.



### BZ68

It is important when installing a loudspeaker in the ceiling that it be stable and secure, restricting the vibration of the assembly and limiting transfer of energy into the wall. The revolutionary Zip-Clip system spreads the weight of the speaker over a larger area than typical mounting systems accomplishing this result with minimal effort. Spring-loaded clips also create more uniform pressure against the drywall eliminating any warping or distortion of the speaker baffle.

### FEATURES

- Director Speaker Series
- Fits 6.5" and 8" Speakers
- Includes Bayonet ring and grille



### BC68

ZipClip mounting ring insert for Director Series.

### FEATURES

- Director Speaker Series
- Fits 6.5" and 8" Speakers



# FIREHOODS

## ACOUSTAHOOD FIREHOODS

Fire Test Performance - Tested to BS476 Parts 22 and 23, achieving up to 240 minutes integrity.  
Acoustic Properties - Tested to BS EN ISO140-3 (63dB).



### DLC6/AC

Fire Hood for Producer 6.5" and 8" models and other brand speakers of similar size.



### DLC7/AC

Fire Hood for all Director 6.5" and other brand speakers of similar size.



### DLC8/AC

Fire Hood for all current Director 6.5" and 8" models and other brand speakers of similar size.



### DLC9/AC

Fire Hood for all current Director 10" models and other brand speakers of similar size.





# NEW FOR 2018

## EXPLORER COLLECTION

The Explorer collection will withstand direct exposure to saltwater as well as extreme temperature and humidity conditions. Careful attention has been taken to protect every component in the system from the electro-mechanical drivers to the crossover networks. Stainless steel fasteners and connectors have been selected to enhance wire connections and structural durability. The Explorer Collection features seven models that are specifically designed for the harsh environments presented by installations on ocean going vessels.

<b>D65EX</b>	Director 3 way 6" Marine Grade In-Ceiling speaker
<b>C65EX</b>	Composer Marine Grade In-wall speaker, 4x8" IMG woofer
<b>D83EX</b>	Director 2 Way 8" Marine Grade In-Ceiling speaker
<b>D83DT/SUREX</b>	Director single stereo Marine Grade In-Ceiling speaker
<b>D83AEX</b>	Director 2 way 8" Marine Grade Fixed Angle In-Ceiling speaker
<b>D85EX</b>	Director 3 way 8" Marine Grade In-Ceiling speaker
<b>D105EX</b>	Director 3 way 10" Marine Grade In-Ceiling speaker

**10 YEAR WARRANTY**  
**PLEASE CONTACT YOUR INVISON REPRESENTATIVE FOR MORE DETAILS**

# IN-WALL SPEAKERS

## ORIGIN ACOUSTICS

Drawing upon the ancient mathematical and artistic Golden Ratio, these thin-line speakers have been designed with a sleek and stylish rectangular profile, making the speakers much more attractive in appearance to the bulky footprint of traditional in-wall speakers. Rather than obstructing the look of accompanying frameless TVs, the Composer Collection complements the room with a modern and slim bezel-less frame.

Regardless of form, the fit and finish of Origin speakers are as clean and impressive as their sound quality. Once installed the speakers become a part of the environment where they disappear unless, of course, your pride of ownership moves you to point them out.



## THEATRE SPEAKERS

A true three way design with five drivers, the Composer Theatre divides frequencies among dedicated woofers, mid ranges and a tweeter for a very detailed and dynamic sound presentation. A precision crossover network allows for voicing of the individual drivers allowing our design team to create the perfect acoustic blend.



### THTR67

Home Theatre envelopes us and allows anyone to escape into the greatest worlds man can imagine. From a simple 5.1 set up to the most amazing Dolby Atmos system, cinema is all about creating an immersive reality with sound detailed every bit as rich and full as real life.

### FEATURES

- 4x6.5" Glass fibre woofers
- 1x Silk DPSD Tweeter
- Springlock™ mounting system
- 198x736mm (WxH)

## 3.5" IN-WALL LCR SPEAKERS



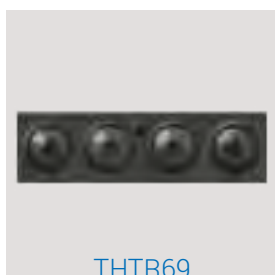
### LCR37

Small in size yet large in performance, the LCR 37 is perfect for applications where the speaker needs to fit into a limited space. This may be a bedroom or office where a small audio system or home theatre is required without it dominating the decor. Be assured that the same driver technology and design that permeate the rest of the Origin line is still present.

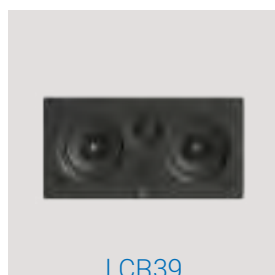
### FEATURES

- 25-80W Amplifier Power
- 70Hz - 20KHz Frequency Response
- 8 ohms Impedance
- 95mm Mounting Depth (Assumes 13mm wall)
- Cut-Out-Size (WxH) 122 x 240mm

## OTHER MODELS AND SIZES AVAILABLE



THTR69



LCR39

**THINLINE MODELS**

Delivering impact and clarity, the Composer C60 Series has the right combination of size and performance to create an immersive sonic experience in any room. Whether being used for a home cinema or for a dedicated music system, these speakers will reproduce every detail with precision while remaining hidden in the wall.

**C63****C65****C67****C69****C63**

Taking its place at the core of Origin's in-wall offering, the C63 is a careful blend of performance and value. Featuring many of the innovations found in our larger and more expensive loudspeakers, it delivers impressive performance at a surprising price.

**FEATURES**

- 4x8" Polypropylene woofer
- 95mm Mounting Depth
- Springlock™ mounting system
- 118x278mm (WxH)

**C65**

The heart of the Composer C65 is an injection molded graphite woofer. Measuring 4"X 8" it has the same surface area as a 6 ½" round driver but it allows the overall footprint of the speaker to be much thinner and more attractive. The aluminum dome tweeter delivers crystal clear high frequencies with detail and precision.

**FEATURES**

- 4x8" IMG woofer
- 95mm Mounting Depth
- Springlock™ mounting system
- 118x278mm (WxH)
- Aluminium Tweeter

**C67**

One of the most popular models in the Origin Line, the C67 is the perfect match for the person who is looking to fill their home with music that will impress anyone who walks through the door. Compact and powerful, the C67 is a blend of the finest materials fine tunes to deliver music and movie soundtracks with all the realism today's listeners demand.

**FEATURES**

- 4x8" Glass fibre woofer
- 95mm Mounting Depth
- Springlock™ mounting system
- 118x278mm (WxH)
- DPSD Tweeter

**C69**

The heart of the Composer C69 is the kevlar woofer. Measuring 4"X 8" it has the same surface area as a 6 ½" round driver but it allows the overall footprint of the speaker to be much thinner and more attractive.

**FEATURES**

- 4x8" Kevlar Woofer
- 1" Silk DPSD Tweeter
- 25-140W Recommended Amp Power
- 40Hz-20KHz Frequency Response

# IN-WALL LCR SPEAKERS

## LCR SPEAKERS

When the shift from cabinet speakers to in-wall speaker took place decades ago, this was the size for which everyone clamoured. It was small enough to be discreet while being large enough to produce both full frequency and enough sound pressure to fill a room.

The LCR60 Series dramatically renews this tradition with advanced driver technology and a very attractive form factor.



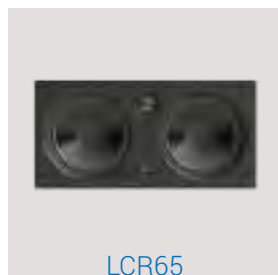
### LCR67

So much of a movie or musical performance is created by the blend of instruments and sound effects that, properly reproduced, create a sense of reality. The composer LCR67 is capable of doing just that. Its balance of artistic design and advanced technology creates an experience that emotionally moves the audience.

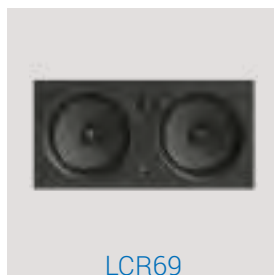
### FEATURES

- 2x6.5" Glass fibre woofers
- 1x Silk DPST Tweeter
- Springlock™ mounting system
- 190x386mm (WxH)

## OTHER MODELS AND SIZES AVAILABLE



LCR65



LCR69





# B&O PALATIAL COLLECTION

## B&O PALATIAL IN-WALL SPEAKERS

Palatial™ Collection are passive in-wall speakers made for active listening. For room-filling music experiences and invisible home cinema set-ups where sounds are heard, not seen.



### BOPLCR66

Origin Acoustics and Bang & Olufsen have teamed up once again with their shared philosophy of design and engineering performance to deliver the most sonically impressive architectural loudspeakers with Bang & Olufsen's distinctive look of understated luxury. A marriage between sonic bliss and stunning design, the BOPLCR66 delivers room-filling sound beyond all imagination from behind a discreetly elegant aluminium lined grille.

### FEATURES

- 25-150W Amplifier Power
- 55-20 KHz Frequency Response
- 6 ohms Impedance
- 95mm Mounting Depth (Assumes 13mm wall)
- Cut-Out-Size (Diameter) 190 x 386mm



### BOPHTR66

Palatial™ Collection high performance three-way In-wall theater speaker co-designed by Bang & Olufsen and Origin Acoustics featuring four full 6.5" Fiberglass woofers, Pivoting 1" Tonearm™ Silk tweeter and Spring-Lock™ tool-less mounting system. A marriage between sonic bliss and stunning design, the BOPHTR66 delivers room-filling sound beyond all imagination from behind a discreetly elegant aluminium lined grille.

### FEATURES

- 10-200W Amplifier Power
- 40-20 KHz Frequency Response
- 6 ohms Impedance
- 96mm Mounting Depth (Assumes 13mm wall)
- Cut-Out-Size (Diameter) 198 x 736mm

# SOUNDBARS

## FREE STANDING OR WALL MOUNTED

Introducing Origin Acoustics' Composer Sound Bars. All of Origin's Sound Bar models includes stands but can be wall mounted without additional hardware. This way you can enjoy great architectural style sound in areas that once prohibited it, or you can take your system with you if you move.

As with all Origin Acoustics' speakers, our sound bars are of the highest quality and are covered by Origin Acoustics Lifetime Warranty. You can depend on this sound bar to last. Origin's sound bars include durable Glass Fiber woofers and the tweeter is their unique silk DPSD design.



# SOUNDBAR COLLECTION

## SOUNDBAR COLLECTION

Sound bars have become a critical element in a family room and bedroom theater systems. Simple to include and easy to install, they provide a huge improvement over the internal loudspeakers in a flat panel television. Reinforced with an in-wall, in-ceiling or free-standing subwoofer they can create an impressive, full-frequency sound field.



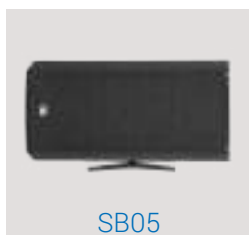
### SB1

Origin Acoustics SB1 model is a single channel, dual woofer speaker suitable for any position in a 5.1 or 7.1 system. The three channel SB3 could be used as a stand-alone LCR or as part of a larger system as well. Utilising the same drivers as the SB3, each SB1 is in an extruded aluminium cabinet with dual 3 1/2-inch woofers and a 1-inch DPSD™ tweeter. Stand or wall mountable, these attractive cabinets can be placed on the left and right of the video screen with the centre channel above or below the image.

### FEATURES

- Extruded Aluminium Cabinets
- Woofers 3 1/2 Glass Fiber
- 1" DPSD™ Tweeter
- Wall Mount Kit
- Table Top Vibration Isolation Stand
- 65Hz-20KHz Frequency Response
- Dims (WxHxD) 408x154x73mm

## OTHER MODELS AND SIZES AVAILABLE



SB05



SB3



# SUBWOOFERS

A photograph of a modern dining room, overlaid with a solid blue color. The room features a large, light-colored wooden dining table surrounded by contemporary chairs. A vase of flowers sits on the table. The background includes a textured stone wall and large floor-to-ceiling windows that offer a view of a green landscape with trees. A modern chandelier hangs from the ceiling. The overall aesthetic is clean and minimalist.



# COMPOSER COLLECTION

## COMPOSER SUBWOOFER COLLECTION

Capture the full spectrum, the CSUB range saves floor space whilst providing the low end clarity that audiophiles desire. A thick rubber gasket and sound absorbing foam isolate the subwoofer from the stud wall to ensure no vibration is passed on.



### CSUB10R

Featuring the finest components combined to deliver unparalleled bass response, the CSUB10R in-wall subwoofer, is a bold statement of sonic superiority. Bring deep bass to any room post-construction with the simplified slide enclosure mounting system. Engineered for retrofit installation into existing walls, CSUB10R features a unique enclosure design that maximises air volume for the cone excursion, augmenting the production of deep frequencies while remaining highly concealed with a low profile grille.

### FEATURES

- 10" Aluminium Bass Driver
- 30Hz-250Hz Frequency Response
- 333x333mm Cut out size
- Dims (DxWxH) 88x330x430mm
- 89mm Mounting Depth

## NEW CONSTRUCTION MODEL ALSO AVAILABLE



CSUB10N



CSUB10NCE



# DEEP SUBWOOFERS

## DEEP SUBWOOFERS

Inspired by one of the greatest periods of American industrial design, Deep Subwoofers are a subtle yet elegant addition to any sound system. Now you can enjoy deep tones and rich sonic environments without an unsightly black box dominating your space. Each Deep Subwoofer contains a high quality downward facing resin-paper radiator as well as a powerful front-firing aluminium radiator. This allows true to life sound by improving bass response and reducing unwanted frequencies. Featuring state of the art BASH amplification, these subs seriously rock. Each model is pushed to the limit of its sonic capabilities, but still resonate at lower volumes. So, whether you want to wake up your neighbours or enjoy a film on a Sunday afternoon, Deep subwoofers are an amazing choice. Perfecting your bass response has never been so easy. With the free smartphone app you can connect to your subwoofer, adjust volume, EQ and even phase.



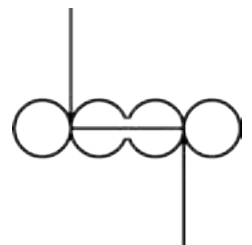
### SUBD12EQ

Onboard DSP will allow for a single band of EQ to be parametrically adjusted via the bluetooth App on your phone. Adjustments include frequency, level and bandwidth. There are four, user adjustable, presets to save the EQ curves once they have been finalized. Unlike the majority of subwoofers that reside in a non-descript black box, the Deep™ subs have fashionable mid-century flair.

### FEATURES

- 12" Driver
- Class D 1000 Watts
- Dims (LxWxH)  
431.8x431.8x431.8mm
- Woven cloth & Aluminium top

## OTHER MODELS AND SIZES AVAILABLE



# OUTDOOR SPEAKERS

## EXTEND YOUR REACH

A different shape and a different attitude, Origin Acoustics' landscape speakers are designed to be mounted just about anywhere. They will project incredible sound from exterior walls, in ground, under eaves, on pillars and architectural elements or even freestanding on exterior furniture.

These speakers are made from tough and durable injection molded ABS plastic that is weatherproof and acoustically tuned to give the best possible sound in any outdoor setting. All the sound quality in the world would be of no value if the speakers were unable to survive the environment in which they are installed. The ABS plastic in the enclosures are mixed with an anti-UV ingredient to resist sun damage and the material itself is designed to survive the hardest winters. The drivers were designed to function in all weather extremes. Even the mounting hardware, grilles and accessories were selected with the effects of the elements in mind. The entire Seasons Collection is rugged, durable and guaranteed to last.

# SEASONS OUTDOOR

## SEASONS OUTDOOR SPEAKER COLLECTION

Taking entertainment outside is a balance of audible accuracy, dispersion and power. The Seasons Outdoor Collection utilises a unique driver configuration in a triangular cabinet. The 60 Series models feature active woofers and tweeters and dual passive radiators firing off the back two sides. This means substantial bass and greater volume levels to fill the garden, deck or pool area with impressive sound. The collection is available in eight models including two that deliver both stereo channels from a single enclosure.



### OS67

On wall outdoor speaker with 4x8" glass fibre woofer. The most popular speaker in the Seasons Collection, the OS67 has just the right blend size and performance to impress everyone who has the chance to hear it. Built around a 4 x 8" woofer and a 1" dome tweeter this sleek and attractive enclosure is at home anywhere in the back garden, pool area or sports court.

### FEATURES

- 1" Aluminium Tweeter
- 8 Ohms Impedance
- 4" x 8" Glass Fibre
- Dims (WxHxD)  
178x330x178mm

## OTHER MODELS AND SIZES AVAILABLE



OS55



OS57



OS65



OS55DT



OS65DT

# SEASONS LANDSCAPE

## SEASONS LANDSCAPE SPEAKER COLLECTION

Filling your outdoor environment with quality music that appears to come from nowhere is now a very real expectation. The Landscape Series includes two models of satellite speakers that can be hidden away in flowerbeds and planters. To create an even more dramatic presence, the series includes high performance subwoofers that are buried in the ground and completely fill out the bottom end.



### LS64

Seasons Landscape Speaker with 6" Polypropylene Woofer. The LS64 features a passive radiator on the bottom providing greater bass, which means a smoother transition to the subwoofer, while maintaining a sealed enclosure for weather resistance. The camouflage finish blends perfectly into natural landscape environments.

#### FEATURES

- 6" Polypropylene Bass/Mid Unit
- 1" Titanium Tweeter
- 60Hz - 20KHz Frequency
- 8 Ohms or 70V Impedance
- Dims (WxHxD) 178x178x279mm



### OSUB10

Deep bass frequencies are critical to the emotional impact of music and movie soundtracks. Creating that bass outdoors is a unique challenge due to the absence of a defined space. The Seasons Outdoor Subs are buried below ground with only a tune port exposed above the surface. Hidden between garden plants, the incredible bass response fills the area.

#### FEATURES

- 10" Polypropylene Subwoofer
- 300W Amplifier Power
- 33Hz - 100Hz Frequency
- 8 Ohms or 70V Impedance
- Dims (WxHxD) 315x538x315mm



### DSP3700

The DSP3-700 Amplifier blows away the competition. With 700 watts per channel at 70v or 8Ω and digital signal processing, no one else has an amp like this. Dedicate one channel to your subwoofers, and then run stereo satellites for as far as you can see. Or run all three channels in mono and really extend your reach into the largest yards.

#### FEATURES

- 3 Channels
- 700W per channel
- 8Ω or 70v
- 2U Rack size

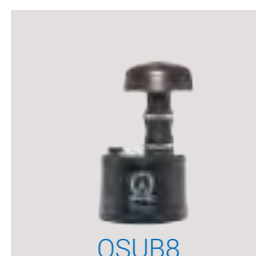
## OTHER MODELS AND SIZES AVAILABLE



LS44



OSUB10P (PATIO SUB)



OSUB8



OSUB12

# LANDSCAPE AUDIO SYSTEM

## ACOUSTIC LANDSCAPE AUDIO SYSTEM

Change your outdoor lifestyle. Acoustic Landscape provides full coverage across large garden spaces, meaning you can take the music with you whenever you venture outside. The Landscape Audio System provides a full solution that evenly covers your garden with sound. The camouflaged 4" Satellite speakers and 8" subwoofer provide quality tone and coverage, tuning the whole outdoor space into a sweet spot without disturbing the neighbours. High quality and simplicity epitomised.



### AS41

The Acoustic Landscape™ AS41 System by Origin Acoustics transforms any garden into an outdoor audio oasis with four 4" plantable speakers and an 8" burial subwoofer for extended bass response. Remaining completely hidden in beautiful garden shrubbery, the AS41 System is more sophisticated in both sound and style than your average rock or patio speakers.

### INCLUDES

- 1 x A8SUB In-Ground Subwoofer
- 4 x A4SAT Satellite Speakers

### FEATURES

- 8 Ohm impedance matched system
- Perfectly even coverage up to 2500ft<sup>2</sup>



### AS4SAT

AS4SAT Satellite speakers bring high fidelity audio outdoors in the form of 4" plantable speakers with a camouflage profile to go undercover in natural landscape environments. In comparison to other outdoor speakers, Acoustic Landscape satellites direct sound inwards towards the listening area, creating a paradise of sound that the neighbours won't even notice.

### INCLUDES

- 2 x A4SAT Satellite Speakers



# LANDSCAPE DESIGN SERVICE

## LANDSCAPE AUDIO SYSTEM DESIGN

Origin Acoustics understand that designing a perfect landscape system to wow your customers can be challenging and time consuming. They can provide you and your client with amazing landscape system designs, complete with detailed illustrations and instructions for installation as well as detailed proposal with system pricing. In utilising this service, Origin Acoustics have found that dealers are able to close more jobs and generate more revenue.



# ABOUT PROCELLA AUDIO

## BUILT BY THE ARCHITECTS BEHIND DTS TECHNOLOGY

While at DTS, Anders Uggelberg, a THX trained and certified cinema designer with over 300 cinema and professional studio designs to his credit, was asked to design and build a state of the art 32 seat preview theatre at the DTS Europe headquarters just outside London.

Teaming up with Gerben Van Duyl, the goal was to create a cinema able to produce reference sound quality for playback of all current and future cinema and home entertainment media, including the upcoming Digital Cinema (DCI) standard, Blu-ray disc and other 24 bit/96KHz resolution playback systems.

Of particular note was the use of the cinema for multi channel music demonstrations to artists such as Queen and Depeche Mode, in order to persuade them to have their own recordings remixed to 5.1.

After taking an exhaustive survey of available speaker systems, the duo determined that no existing system could deliver the requisite high resolution audio with uniform coverage to all 32 seats.

To meet these requirements, Anders designed a new speaker system that became the basis for the current Procella systems. Nimble balancing the requirements of the cinema and home entertainment sides of DTS audio. Taking the best elements of cinema speaker design and applying the performance standards and design elements of the best small studio and high-end audio loudspeakers, the Procella system successfully delivered high-resolution audio to each and every seat in the room.

To say the system was well received would be an understatement. Following the enthusiastic approval of artists, engineers and producers that experienced and used the DTS system in their professional capacity, Anders and Gerben realised the great commercial potential of the speakers, leading to their departure from DTS and the birth of Procella Audio.

Procella  
audio<sup>®</sup>



# HOME CINEMA SPEAKERS

## BUILT BY THE ARCHITECTS BEHIND DTS TECHNOLOGY

For music or movies, Procella loudspeakers accurately reproduce all aspects of modern high definition 24 bit/96KHz recordings, from their transparent audio quality to their full dynamic range, in any size room. Unlike HiFi speakers, Procella speakers combine audiophile accuracy with extraordinary dynamic range, and Procella's scalable concept means that system can be configured to fit any space from the smallest home cinemas to the largest digital cinema screening rooms.

Below are the values Procella dedicated cinema speakers live by:

- No Dome Tweeters: Procella only use pro audio compression drivers for superior high frequencies.
- Procella designed constant directivity waveguides for wide, controlled dispersion.
- Identical Voice™ designs ensure timbre matching across the speaker range.
- Scalable concept for any room size



# FULL-RANGE HOME CINEMA

## FULL-RANGE HOME CINEMA LOUDSPEAKERS

Taking the best elements of cinema loudspeaker design and applying the performance standards and design elements of the best small studio and high end audio loudspeakers, the Procella system delivers high resolution audio to each and every seat in the room.



### P815

The P815 is the direct descendant of the original DTS preview cinema main loudspeaker. This reference-quality, precision full-range speaker is designed for large home cinemas, studio, screening rooms and small cinemas. It combines the P8 reference loudspeaker with the P15Si 15" low-frequency module to produce THX cinema reference levels at an incredible 8 meters. The P815 requires external biamplication.

### FEATURES

- 15" driver with 75mm voice coil in 92 litre sealed box
- 8" high output driver with 40mm voice coil in 15 litre sealed box
- 1.5" compression driver, polyester diaphragm
- 40Hz-20KHz Frequency Response
- Dims (HxWxD) 1,030x480x280mm

## OTHER MODELS AND SIZES AVAILABLE



P860



P610





# HOME CINEMA LOUDSPEAKERS

## HOME CINEMA LOUDSPEAKERS

The P5 is designed for wall mounting and stand/shelf mounting on or next to a wall. Ideally, the back of the speaker should be one to five inches from the wall. The P5 uses a circular waveguide, which means that the speaker can be orientated either vertically or horizontally. When the speaker is not flush mounted on a wall, the front left and right speakers can be toed in towards the centre of the room for optimal imaging.



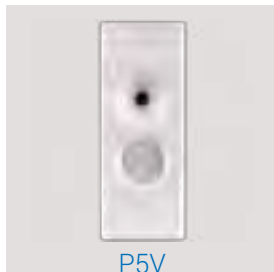
### P5

Delivering Procella performance with a new look and feel, the P5 delivers the full dynamic range experience to smaller rooms and rooms with multiple surrounds and height speakers. Like its larger brothers, the P5 sets the standard for output and dynamic range in its size and price class. A true high output loudspeaker, the P5 gives can be used as a main, surround or height channel speaker.

### FEATURES

- 5.25" driver
- 26mm Voice Coil
- 1" compression driver with polyester diaphragm
- Continuous SPL of 113dB
- Available in white or black
- 75W Power handling, 250W peak

## OTHER MODELS AND SIZES AVAILABLE



P5V



P5iw



DOWNLOAD PROCELLA'S INVALUABLE 100 PAGE DOCUMENT ON SYSTEM DESIGN, INSTALLATION AND CALIBRATION.

**SCAN QR CODE TO  
DOWNLOAD NOW**



# HOME CINEMA LOUDSPEAKERS

## HOME CINEMA LOUDSPEAKERS

At the heart of the Procella range, these speakers are capable of stunning reproduction of the full dynamic range of music and film soundtracks in large rooms, with extremely low distortion and audiophile sound quality.



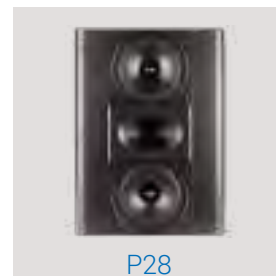
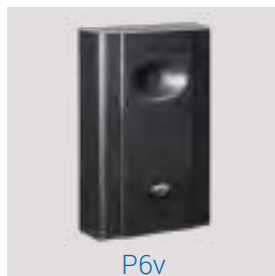
### P6

Compact and elegant, the P6 brings Procella reference quality audio and a very wide dynamic range. In a slim-profile cabinet that makes for easy integration with flat-screen televisions, projection screens and surround speaker environments. Suitable for stereo, front channel, surround channel and height channel use.

### FEATURES

- 6.5" driver
- 40mm Voice Coil
- 1" Compression driver with Polyester diaphragm
- Continuous SPL of 116dB
- 100W Power handling, 300W Peak

## OTHER MODELS AND SIZES AVAILABLE



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# HOME CINEMA PACKAGES

## HOME CINEMA LOUDSPEAKER PACKAGES

### 5.1 SYSTEM

**L/C/R:** P5 x3  
**Rear Surrounds:** P5 x2  
**Subwoofer:** P15A



### 7.1 SYSTEM

**L/C/R:** P5 x3  
**Rear Surrounds:** P5 x4  
**Subwoofer:** P15A



### 9.2 P5 ATMOS SYSTEM

**L/C/R:** P5 x3  
**Rear Surrounds:** P5 x4  
**Front Wides:** P5 x2  
**Atmos:** P5 x4  
**Subwoofer:** P15A x2



### 11.2 P6 ATMOS SYSTEM

**L/C/R:** P6 x3  
**Rear Surrounds:** P6 x8  
**Atmos:** P5iw x4  
**Subwoofer:** P15A x2



# SUBWOOFERS



# HOME CINEMA SUBWOOFERS

## HOME CINEMA SUBWOOFERS

Procella speakers are designed without compromise: if it is better, they use it. The objective is to offer a speaker system that produces the best audio quality possible, based on industry standards set by the professionals who make the music and movies to begin with. If you want the best speaker system money can buy, you have found it.



### V18

The P18 has long been the standard for low frequency reproduction. But for some, even the P18 wasn't enough! For them, Procella created the V18 Bass Engine. Producing 137 dB of continuous power and a peak output of 143 dB, this is truly the new reference standard for subwoofers. In an impressively massive deep enclosure (unlike the slim P18), Procella's unique V-Loaded driver configuration produces coupling and compression loading between the drivers, resulting in lower distortion, improved transient response, and reduced cone excursion at high SPL its twin 18 inch long-throw pro audio subwoofer drivers have Neodymium magnets and 4 inch voice coils, with added aluminium demodulation rings to decrease distortion.

### FEATURES

- Dims (HxWxD) 520x1050x670mm
- Semi matte textured black paint finish
- -3 dB point of 18 Hz
- 8 Ohms nominal
- 1m/1W 105 dB
- 100 - 250v, 40 - 80Hz
- 137 dB (continuous)

## OTHER MODELS AND SIZES AVAILABLE



P15A



P15FP



P15 AMP



P18



# HOME CINEMA SUBWOOFERS

## HOME CINEMA SUBWOOFERS



### V6

The only subwoofer that can challenge the mighty P18, the V6 from Procella delivers essentially indistinguishable performance in a tall form factor enclosure that is a mere 11.8 inches deep. Six 10 inch very high output Italian pro audio drivers are mounted in Procella's V6 push-pull configuration, which produces high-definition low frequencies, even canceling even-order harmonic distortion. The V-shaped enclosure and driver coupling increases efficiency to an extraordinary 99dB @1m/1W.

### FEATURES

- Dims (HxWxD) 1050x670x300mm
- Painted Black Finish
- -3 dB 18Hz
- 2 Pair gold-plated binding posts
- 133 dB continuous
- 137 dB peak @50Hz

## UPGRADE SUBWOOFERS

The below subwoofers are to be purchased to upgrade or re-enforce an existing system.



P10si



P15si



DOWNLOAD PROCELLA'S INVALUABLE 100 PAGE DOCUMENT ON SYSTEM DESIGN, INSTALLATION AND CALIBRATION.

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# AMPLIFIERS



# PROCELLA AMPLIFIERS

## PROCELLA AMPLIFIERS



### DA-05

The onboard DSP provides active crossovers and precise EQ for Procella's full-range speakers and subwoofers. The factory presets cover the majority of system configurations. For unique system requirements, custom DSP programming is available on an advance order basis. With utterly transparent sound quality and huge power reserves for tremendous dynamic range, the DA05-DSP is truly the ultimate amplifier for Procella speakers.

### FEATURES

- Output Power - 2 ohms 800W, 4 ohms 600W, 8 ohms 300W, 16 ohms 150W
- Frequency Response 2 Hz - 42KHz
- Signal to Noise Ratio 102 dB
- Channel Separation at 1 KHz > 80dB
- 1U Rack Size



### DA-06

The amplifier's class-D design is highly efficient, producing enormous output in a chassis that is only 1U high. The amplifier has onboard DSP with factory programmed presets that provide active crossovers and precise EQ for Procella's full-range speakers and subwoofers. The factory presets cover the majority of system configurations, and for unique system requirements, custom DSP programming is available on an advance order basis. With utterly transparent sound quality and huge power reserves for tremendous dynamic range.

### FEATURES

- Output Power - 2 ohms 1800W, 4 ohms 1200W, 8 ohms 600W, 16 ohms 300W
- Frequency Response 2 Hz - 42KHz
- Signal to Noise Ratio 105 dB
- Channel Separation at 1 KHz > 80dB
- 1U Rack Size



### DA-07

The DA-07 Procella Audio amplifier has a massive output capability for Procella's reference high-output subwoofers. The DA-07 amplifier is the ultimate power source for the V18, P18 and V6 subwoofers. This high-efficiency two-channel Class-D amplifier combines extraordinary sound quality with enormous power reserves to produce utterly transparent sound with enormous dynamic range and robust low-frequency impact.

### FEATURES

- 2 Channels - Output voltage 155V
- 35 dB Gain
- 16 ohms - 730W/ 2 ohms - 3500W
- Black/Grey Steel Chassis
- Dims (HxWxD) 44x483x396mm
- 2U Rack Size

# ABOUT TRINNOV AUDIO

## ELEVATE YOUR SOUND

Trinnov Audio is a team of engineers who are passionate about audio quality. Focusing on developing innovative solutions that improve the quality of sound throughout the production chain until they reach the listener.

Since 2003, Trinnov Audio have been committed to innovation as a means of providing high quality sound and future proof technologies.

Both the hardware platform and software environment of the Altitude<sup>32</sup> have been designed to offer endless possibilities, with software upgrades available to download online, ensuring the customer is never without the most up to date technology.



# TRINNO

## AUDIO







# DIGITAL AUDIO PROCESSORS

## DIGITAL AUDIO PROCESSOR

Trinnov's Altitude32 is a new generation of AV preamp designed to bring 3D sound to high performance home theatres as a complement to UHD video.

Over the decades, cinema sound has evolved from mono to stereo, to matrixed four-channel sound (Dolby Pro Logic), and eventually to fully discrete 5.1 and 7.1 soundtracks. But, until recently, the audio was essentially confined to the plane of the audience. Immersive audio adds the essential third dimension of height to bring a degree of realism to the movie experience that had not been available previously. But, while different formats (Dolby and DTS) fundamentally agreed on the optimal locations for either the 5 or 7 main channels for such soundtracks, there is no such consensus with respect to the optimal locations for the additional height channels. To the contrary, Dolby Atmos®, Auro® and DTS:X® all have significantly different notions about where the "extra" speakers should be located. Reconciling these disparate recommendations is normally a matter of compromise. Ordinarily, you need to decide which layout recommendation you favour, resulting in the other two formats being reproduced with spatial errors due to the "misplaced" speakers. What is needed is a sensible speaker layout that, combined with specific technologies, can play all three formats with as much spatial resolution and accuracy as they themselves support.

Fortunately, the trend in 3D audio is toward "object-oriented" audio. Once you go beyond the basic 7.1 (or potentially 9.1) listener-level speakers, each additional sound in Dolby Atmos and DTS:X mixes is encoded as a sound with spatial "metadata" associated with it. That is, each sound (music, special effects, Foley, etc.) also contains information about where the sound should be in space relative to the main listening position, and also how focused or diffused the sound should seem. Thus, overhead thunder might seem to come from everywhere, while a ricocheting bullet might be tiny while flying just over your head. Thanks to Trinnov's patented 3D spatial remapping technology, the Altitude 32 is the only processor to provide universal and spatial-accurate 3D sound playback, seamlessly switching between Auro & Atmos with no loss of presentation. This technology ensures an unmatched spatial resolution for the most incredible immersive experience and represents the only sustainable solution to the inherent incompatibility issue of current and future 3D surround formats.



### ALTITUDE32

The best solution for 3D luxury home cinemas, thanks to its revolutionary hardware platform that integrates the latest 3D audio technologies. Trinnov is the only manufacturer that doesn't rely on third-party DSPs in order to support the latest 3D audio formats. Supports any 3D speaker configuration regardless of formats and decodes up to 32 discrete channels in Dolby Atmos. Future-proof, fully upgradeable and scalable audio processor.

### FEATURES

- 32 Decoding Channels
- Trinnov Optimiser
- RS232 and IP Control
- 3.5U Rack Space
- Up to 32 Audio Outputs
- 8x HDMI inputs, 2x HDMI outputs
- Dims (DxWxH) 445 x 432 x 165mm

# ALTITUDE 16

## DIGITAL AUDIO PROCESSOR

Only Trinnov has the capability of rendering Atmos-encoded audio objects to more than 11.1 channels. The addition of Wide and Top Middle channels takes 9.1.6 to an entirely different level of immersion and imaging specificity than can be achieved with current DSP chips, all of which max out at either 7.1.4 or 9.1.2.



### ALTITUDE16

Following in the tradition of the groundbreaking Altitude32 processor, the Altitude16 brings Trinnov's award-winning Speaker/Room Optimiser technology, immersive audio capabilities, active crossovers, and unmatched bass management flexibility to a new, slightly smaller form factor with tremendous value.

### FEATURES

- Up to 24 bits/ 96kHz
- Trinnov Optimiser
- RS232
- 16 Channels
- 1 Trigger & 4 trigger outputs
- Built-in Ethernet



## CONTROL DRIVERS

Control4

CRESTRON

ELAN

RTI  
It's Under Control

SAVANT

U-C  
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DIGITAL AUDIO PROCESSORS

# TRINNOV COMPARISON

## TRINNOV COMPARISON

	Trinnov Altitude <sup>32</sup>	Trinnov Altitude <sup>16</sup>	Competitor A	Competitor B
Processing Architecture	CPU-based	CPU-based	DSP-based	DSP-based
Processing Channels	8, 16, 24, 32; soon, 48	16	13.1 fixed	7.1.4 or 9.1.2
Discrete processing/ Possible Top channels	32/12 (48/12, by Q3, 2018)	16/12	13/6	11/4
Processing unit	Intel Core i7 CPU	Intel Core i5 CPU	DSP	Analog Devices SHARCs
Processing resolution	64 Bit floating point	64 Bit floating point	32 Bit	?
Feature upgrades	Via Software update	Via Software update	F/W update or, H/W upgrade	(Sometimes) Via firmware update
New 3D audio format support, SMPTE, MPEG 3D, MDA	Via Software update	Via Software update	?	?
Speaker layout & assignment	All channels are assignable	All channels are assignable	Fixed, with default patterns/modes	Fixed, with default patterns/modes
Test microphone	Trinnov 3D microphone 4 capsules; vector-based measurements	Trinnov 3D microphone 4 capsules; vector-based measurements	Single-point mic	Single-point mic
Speaker Placement Precision	1 cm distance, 2° azimuth and elevation	1 cm distance, 2° azimuth and elevation	n/a	n/a
Speaker layout compensation	2D and 3D Remapping	2D and 3D Remapping	n/a	n/a
Optimiser	Speaker/Room Optimizer proven in Pro Audio and Commercial Cinema markets as well as high end consumer; patented.	Speaker/Room Optimizer proven in Pro Audio and Commercial Cinema markets as well as high end consumer; patented.	Dirac	Dirac
External device for optimization setup	No need	No need	Need external PC and I/O connection	Need external PC and I/O connection
Optimiser Technology used at	NHK, TOHO Studios, Fox Studios, Technicolor, ORF, BBC, ORF...	NHK, TOHO Studios, Fox Studios, Technicolor, ORF, BBC, ORF...	?	?
Bass Management	Unlimited, stackable setting Support 3 stages of tuning	Unlimited, stackable setting Support 3 stages of tuning	Unlimited	Unlimited
Bitstream detection and switching	Automatic	Automatic	?	?
EQ	31-band Graphic EQ, FIR EQ, IIR EQ, Target Curve, PEQ	31-band Graphic EQ, FIR EQ, IIR EQ, Target Curve, PEQ	Some PEQ	Some PEQ
Presets	29 Presets	29 Presets	?	?
Multi-way electronic crossover support	Yes, up to 4-ways	Yes, up to 4-ways	?	Yes, up to 3-ways
Fan noise	Silent during operation	Silent during operation	Fan noise likely, based on rear panel photos	Quite noisy in operation
Speaker array power response correction	Automatic	Automatic	?	?
Remote management & setup	VPN/VNC	VPN/VNC	?	?
Room support	Yes	Yes	no	no



**AMPLITUDE 8**

8-Channel Power Amplifier. Huge power, dynamic and bass impact. Unparalleled clarity, resolution and musicality. 8 channels each with 225W into 8 ohms. Dual 4-channel design with dual power supply and 2 independent inlets. Hypex Ncore® class D amplifier technology used in the finest audiophile amplifiers. High efficiency, quiet convention-cooled design.

**FEATURES**

- 8 Channels
- 225W @ 8ohms / 375W @ 4 ohms
- 4.5U Rack Space
- Dims (DxWxH) 394 x 432 x 150mm

**AMPLITUDE 8M**

A perfect companion to the Altitude16 and made with the most demanding users in mind, our new 8 channel amplifier brings intelligent power and pristine audio quality at a sensitive price point without any compromise in terms of design and build quality.

**FEATURES**

- 8 Channels
- 200W @ 8 ohms / 300W @ 4 ohms
- 12V Trigger Control
- 4U Rack Space
- Dims (DxWxH) 502 x 443 x 186.5mm





## AMETHYST

A remarkable combination of advanced technologies, the Amethyst is Trinnov's high-end stereo flagship. It includes an 11-source preamplifier with built in Speaker/ Room Optimiser, Trinnov's innovative Hybrid Phono Preamp, a network renderer, a 24 bit/ 192kHz DA Converter and a 2-way intelligent active crossover engine. The Amethyst also features built-in Wifi connectivity for simplified operations. It is the perfect centerpiece of any traditional or modern Hifi installation.



### FEATURES

- Signal to noise ratio 119dB (A-weighted)
- 2U Rack Space
- Analogue Outputs 4x Balanced XLR 4x Phono
- Analogue Inputs 4x Balanced XLR 4x Phono
- Dims (LxWxH) 445 x 442 x 103mm

## ST2 HiFi

Trinnov's ST2-Hi-Fi solves the acoustic equation. It takes your high-end system to a whole new level of accuracy, from high-fidelity to acoustic-fidelity. The ST2-HiFi is today's most advanced stereo processor, room optimiser and DAC. It offers Trinnov's patented loudspeaker/room optimisation technology in a package specifically customised for Hi-Fi enthusiasts.



### FEATURES

- Signal to noise ratio 119dB (A-weighted)
- 2U Rack Space
- Analogue Outputs 4x Balanced XLR
- Analogue Inputs 4x Balanced XLR 4x Phono
- Dims (LxWxH) 418 x 441 x 97mm



## LOUDSPEAKER /ROOM OPTIMISATION

The loudspeaker/room optimisation technology is at the heart of Trinnov's products for professional studios, movie cinemas, high-end hi-fi and home cinemas. With its modern approach to acoustic measurements, analysis, and processing, it solves the loudspeaker/room acoustic equation. Sound reproduction is very complex and subjective.



Depending on how far you want to dig into its features, the Optimiser is either a straightforward and easy-to-use automatic compensation system or an incredibly flexible and powerful tool, including numerous advanced filters parameters, target curves and manual EQ's, all being re-computable on the fly. By following an iterative installation procedure, the Optimiser achieves results beyond any expectations in record time.

## TRINNOV CALIBRATION

The measurement microphone is one of the most critical components of a loudspeaker/room calibration system. Trinnov's sophisticated algorithms not only rely on very accurate acoustic measurements but also on the ability to localise speakers positions and to detect early reflection provenance.

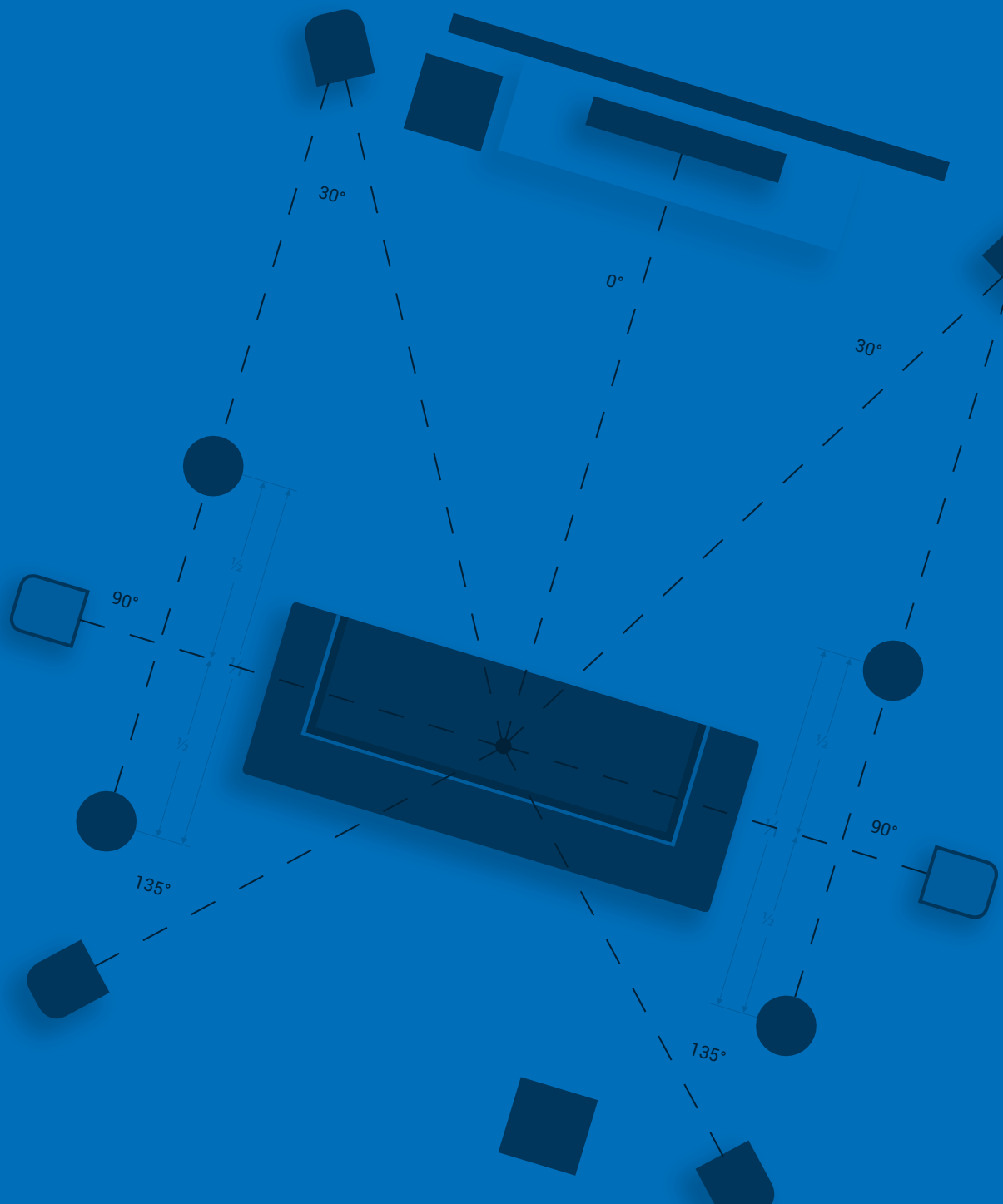
Trinnov's 3D measurement microphone is the result of our extensive research in 3D sound. A significant amount of time was invested in designing a tailored measurement system that could gather very precise information regarding the spatial position of multiple sources. This is called triangulation. Each of the four omnidirectional capsules is placed at the same distance from each other, forming a tetrahedral pattern. This allows you to localise each speaker's placement on both horizontal and vertical planes.



# SPEAKER APPLICATION

## ROOM APPLICATIONS

The following pages visually display the best arrangement of the speakers for various room/ environments. From Living rooms to outdoor pool applications, these examples will give you a good idea on what speakers and subwoofers would be the best choice.



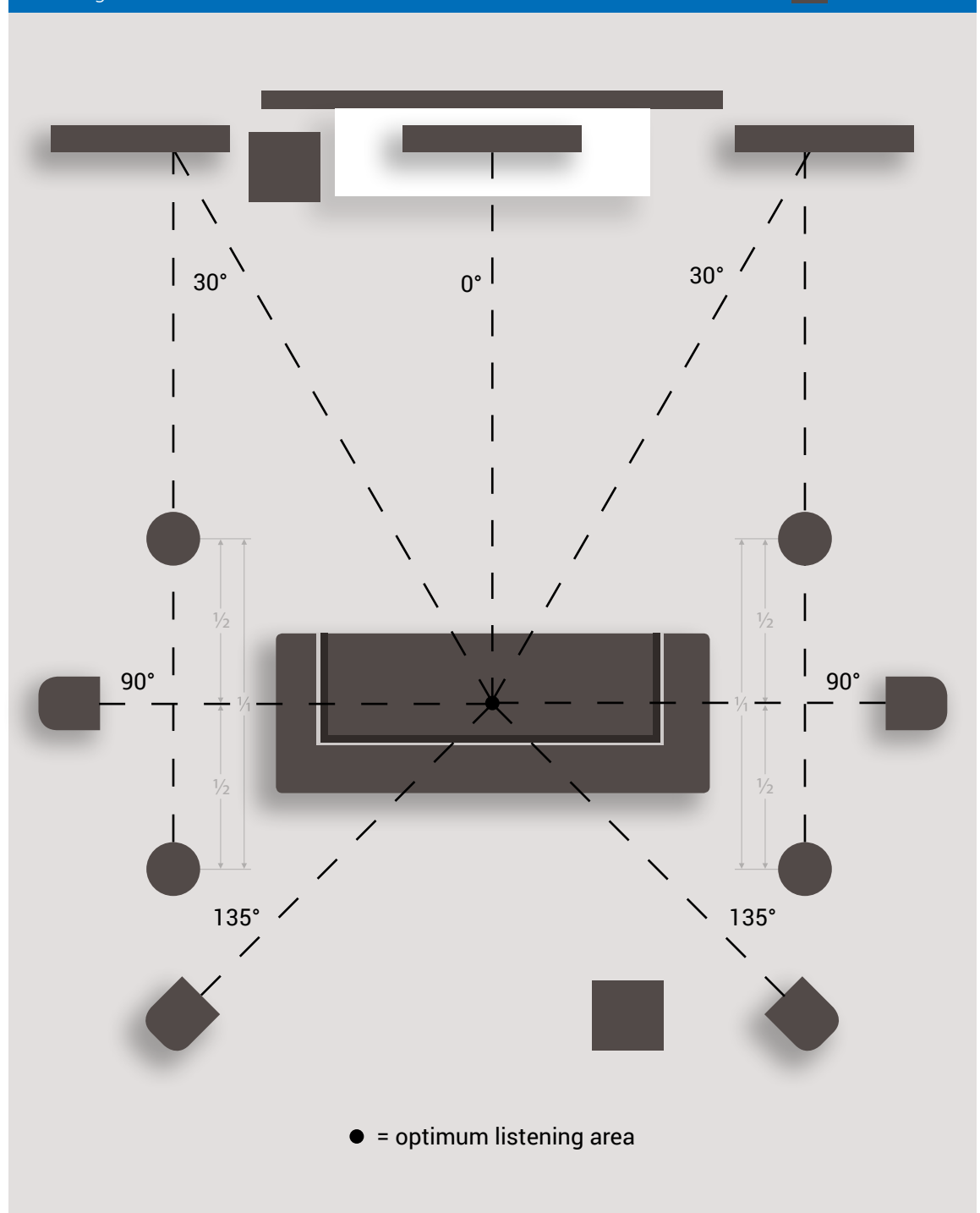
# 7.2.4 LIVING ROOM

## DOLBY ATMOS ARRANGEMENT

This example 7.2.4 system utilises 7 surround speakers, 2 subwoofers and 4 In-Ceiling speakers that are Dolby Atmos enabled. Also available in other configurations. Please see [www.dolby.com/us/en/guide/speaker-setup/index.html](http://www.dolby.com/us/en/guide/speaker-setup/index.html) for more information or call 01359 270280 to discuss.

### COMPONENTS USED

- 4 x Origin Acoustics D69 In-Ceiling Speaker
- 3 x Origin Acoustics SB1 left/ centre/ right Speaker
- 4 x Origin Acoustics SB05 Speaker
- 2 x Origin Acoustics SUBD10EQ



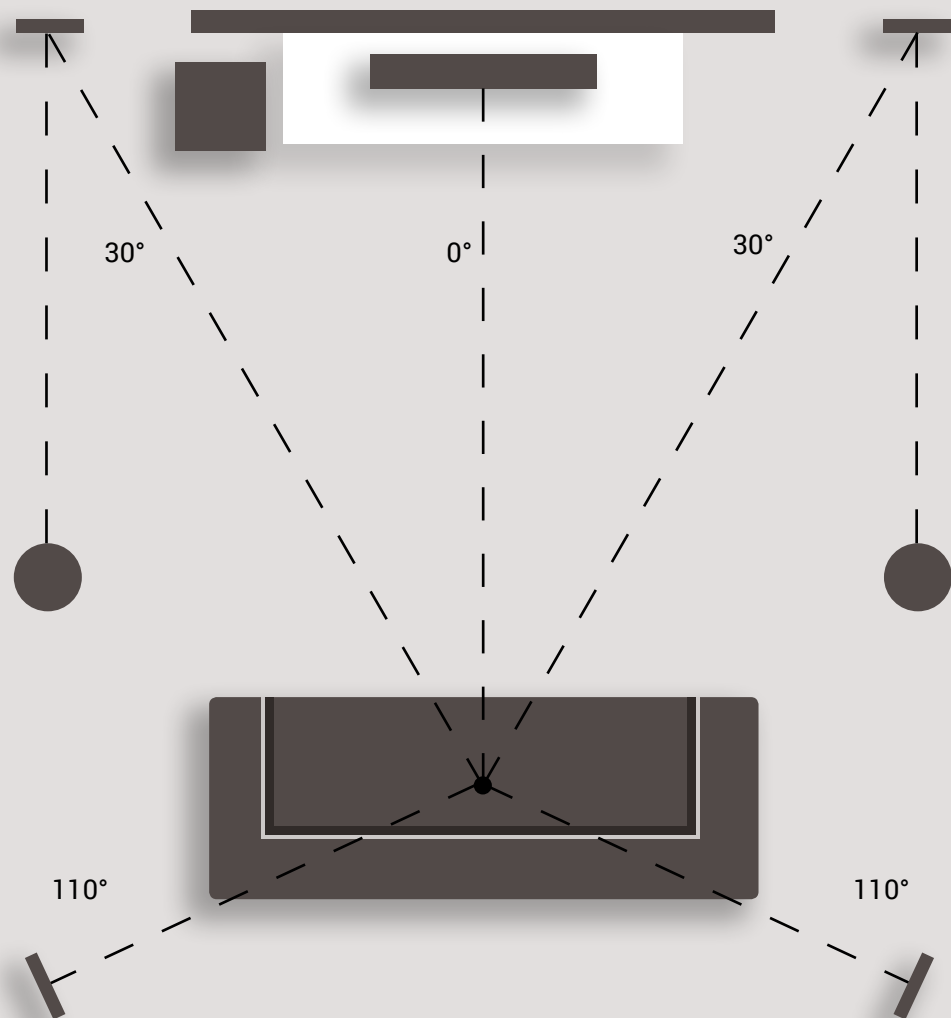
# 5.1.2 LIVING ROOM

## DOLBY ATMOS ARRANGEMENT

This example 5.1.2 system utilises 5 in-wall speakers, 1 subwoofer and 2 In-ceiling speakers that are Dolby Atmos enabled. Also available in other configurations. Please see [www.dolby.com/us/en/guide/speaker-setup/index.html](http://www.dolby.com/us/en/guide/speaker-setup/index.html) for more information or call 01359 270280 to discuss.

### COMPONENTS USED

- 2 x Origin Acoustics D69 In-Ceiling Speaker
- 1 x Origin Acoustics SUBD10EQ Subwoofer
- 4 x Origin Acoustics LCR69 In-Wall speaker
- 1 x Origin Acoustics THTR69 Centre Speaker



● = optimum listening area



# DECKING AREA

## OUTDOOR SYSTEM ARRANGEMENT

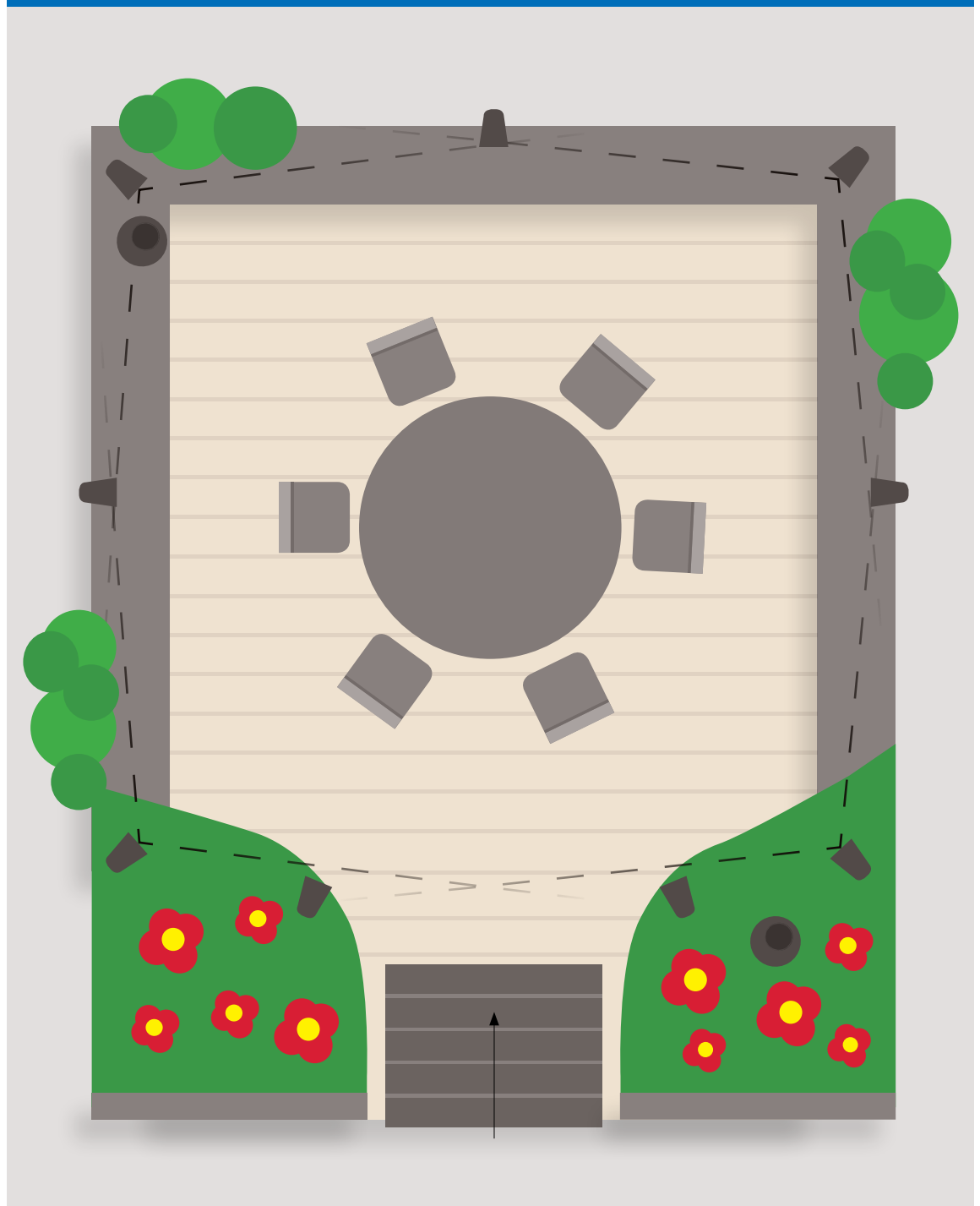
This example shows an outdoor system utilising 9 LS64 Satellite speakers and 2 OSUB10 Subwoofers. These speakers are buried in the flower bed around a raised decking area. Need something designed for your client's outdoor area? Please call [01359 270280](tel:01359 270280) for more information and to learn more about Origin Acoustic's outdoor design service.

### COMPONENTS USED

9 x Origin Acoustics LS64 Outdoor Satellite Speakers



2 x Origin Acoustics OSUB10 In Ground Subwoofer



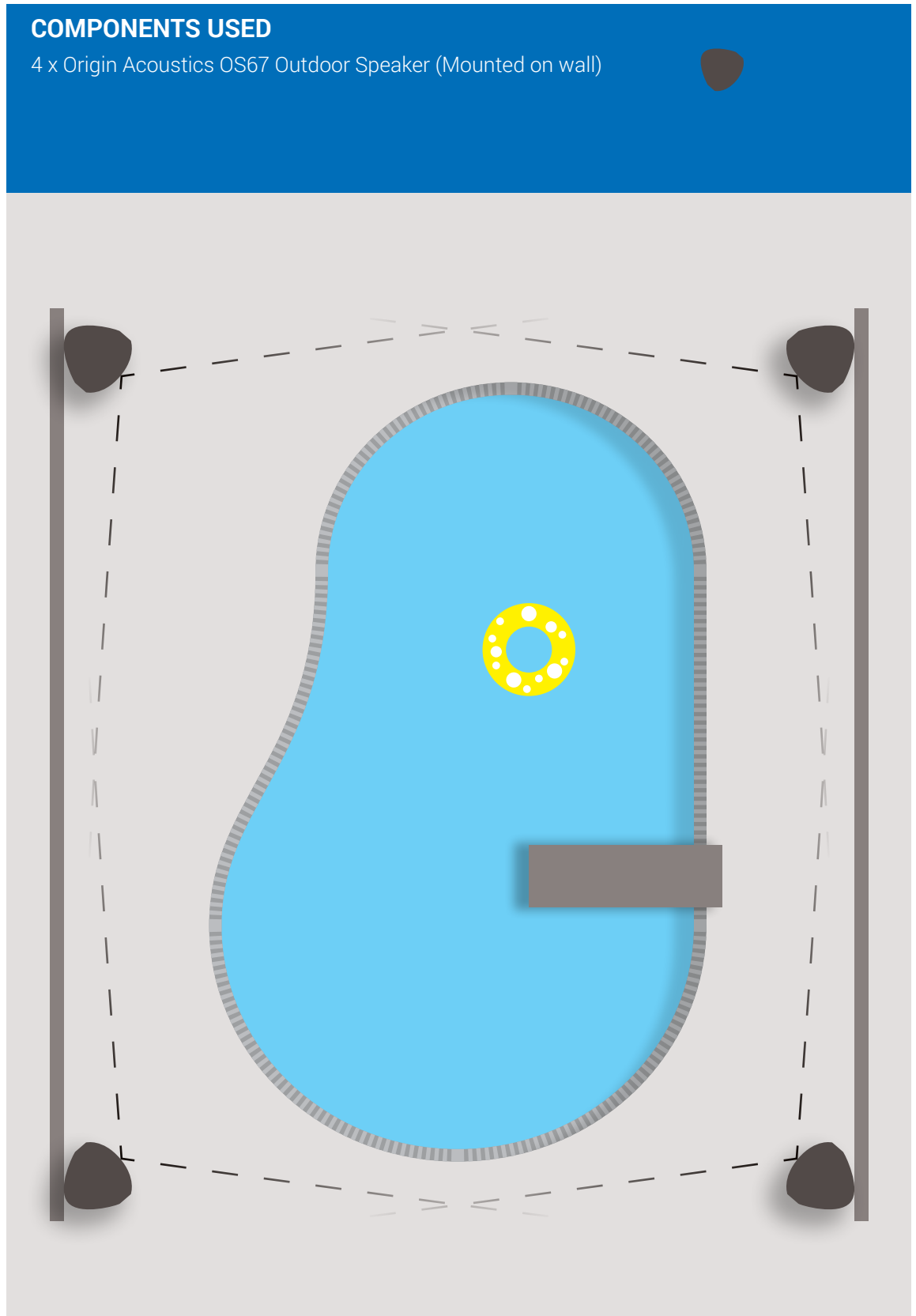
# POOL AREA

## OUTDOOR SYSTEM ARRANGEMENT

This example shows an outdoor system utilising 4 OS67B Outdoor speakers, mounted on exterior walls that surround an external pool area. Need something designed for your client's outdoor area? Please call [01359 270280](tel:01359 270280) for more information.

### COMPONENTS USED

4 x Origin Acoustics OS67 Outdoor Speaker (Mounted on wall)










# TECH SPECS



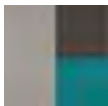





**artnovion**

## ABSORPTION PANELS

ABSORPTION PANELS							
Model	Andrea	David	Dawson	Helen	Sahara	Kamet	Loa Square





## AZORES RANGE

AZORES RANGE					
Model	Square	Rectangle	TRG 60/90	Q Circle	Semi Circle






## DIFFUSION PANELS

DIFFUSION PANELS					
Model	Jaya	Douro	Lugano	Arvon	Alps

## BASS-TRAP PANELS





BASS-TRAP PANELS				
Model	Verona	Komodo	Meridia	Eiger

## MULTI PURPOSE PANELS



MULTI PURPOSE PANELS					
Model	Verona	Komodo	Meridia	Siena	Sahara








## FULL MATRIX AMPLIFIERS

FULL MATRIX AMPLIFIERS				
	DIRECTOR M6800	DIRECTOR M6400	DIRECTOR M4800	DIRECTOR M4840
Channels	16	16	8	8
Power Rating	200W @ 4 Ω 100W @ 8 Ω	100W @ 4 Ω 65W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω
Bridgeable	Y	Y	Y	Y
Bridged Mono	400W	175W	400W	400W
Rack Size	2U	2U	1U	1U
DSP	Y	Y	Y	Y
IP Access	Y	Y	Y	Y
12V Trigger	Y	Y	Y	Y
Stereo Inputs	8	8	4	4
Digital S/PDIF or TOSLINK inputs	2	2	4	4
Stereo Loop Outputs	8	8	N/A	N/A
Digital S/PDIF Outputs	2	2	2	2
Finish	Black	Black	Black	Black



## NETWORK AMPLIFIERS

NETWORK AMPLIFIERS		
	DIRECTOR D2800	DIRECTOR D4600
Channels	8	16
Power Rating	200W @ 4 Ω 100W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω
Bridgeable	Y	Y
Bridged Mono	400W	400W
Rack Size	2U	2U
DSP	Y	Y
IP Access	Y	Y
12V Trigger	Y	Y
Stereo Inputs	4	8
Stereo Bus Inputs	1	2
Stereo Loop Outputs	1 (Bus)	1 (Bus)
Finish	Black	Black




## MULTI-ZONE AMPLIFIERS

MULTI-ZONE AMPLIFIERS	 ARCHITECT P2680EQ	 ARCHITECT P2660	 ARCHITECT P2280EQ	 ARCHITECT P2260	 ARCHITECT P800
Channels	16	16	12	12	8
Power Rating	200W @ 4 Ω 100W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω
Bridgeable	Y	Y	Y	Y	Y
Power Consumption	58W	42W	52W	40W	30W
Rack Size	2U	2U	2U	2U	1U
5 Band EQ	Y	-	Y	-	-
12V Trigger	Y	Y	Y	Y	Y
Stereo Inputs	8	8	6	6	4
Stereo Bus Inputs	1 Digital 1 Analogue	1 Digital 1 Analogue	1 Digital 1 Analogue	1 Digital 1 Analogue	1 Digital 1 Analogue

## 2-CHANNEL AMPLIFIERS




2-CHANNEL AMPLIFIERS	 ARCHITECT 110	 ARCHITECT 210EQ
Channels	2	2
Power Rating	120W @ 4 Ω 60W @ 8 Ω	120W @ 4 Ω 60W @ 8 Ω
Bridgeable	Y	Y
Power Consumption	30W	30W
Rack Size	2U	2U
6 Band EQ	N	Y
12V Trigger	Y	Y
Stereo Inputs	1 Main 1 Aux	1 Main 1 Aux
Stereo Bus Inputs	No	-

## COMPACT ZONE AMPLIFIERS



COMPACT AMPLIFIERS	 RIALTO 400	 RIALTO 600	 BIJOU 600
Channels	2	2	2
Power Rating	200W @ 4 Ω 100W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω	200W @ 4 Ω 100W @ 8 Ω
ACCUBASS	Y	Y	Y
Rack Size	N/A	N/A	1U (Half Width)
Wolfson DAC	Y	Y	Y
IR/RS232 Control	N	Y	Y
12V Trigger	Y	Y	Y
Inputs	1 Digital 1 Analogue	1 Digital 1 Analogue	1 Digital 1 Analogue

# AUTONOMIC

## MIRAGE MEDIA SERVERS

MIRAGE MEDIA SERVERS	 MMS-1E	 MMS-3E	 MMS-5E
Max. Simultaneous streams	2	3	5
USB Ports	(2) USB 2.0	(3) USB 2.0	(3) USB 2.0
Rack Spacing	N/A	1U	1U
Signal to Noise Ratio	96db, A weighted	96db, A weighted	96db, A weighted
Hard Drive Storage (Internal)	32 GB Flash Memory, holds approximately 10,000 songs	120 GB SSD; holds approximately 25,000 songs	256 GB SSD; holds approximately 50,000 songs
Digital to Analogue Conversion	High-resolution 24bit/192kHz	High-resolution 24bit/192kHz	High-resolution 24bit/192kHz
Outputs	(1) analogue, unbalanced, stereo RCA type, line level audio output (1) Stereo Coaxial, RCA type, PCM (1) Stereo USB for connection to external DAC PCM (1) Stereo HDMI PCM Video Outputs for OSD: HDMI	Analog: (2) unbalanced, stereo RCA type, line level audio output Digital: (2) Stereo Coaxial, RCA type, PCM, (1) Stereo USB for connection to external DAC PCM, (1) Stereo HDMI, Type A, PCM eAudioCast: (3) Audio-over-Ethernet when paired w/ eSeries	Analog: (4) unbalanced, stereo RCA type, line level audio output Digital: (4) Stereo Coaxial, RCA type, PCM, (1) Stereo USB for connection to external DAC PCM, (1) Stereo HDMI, Type A, PCM eAudioCast: (5) Audio-over-Ethernet when paired w/ eSeries

## DIGITAL MEDIA AMPLIFIERS

DIGITAL MEDIA AMPLIFIERS	 M-120e	 M-401e	 M-801e
Audio Zones	4	4	8
Power Output	8 x 15W	8 x 55W	12 X 50W
Analogue Input	1 x Stereo Phono, 1 Remote via CAT cable	4 x Stereo Phono	6 x Stereo Phono
Digital Input	n/a	6 x Coax, 2 x Optical	8 x Coax, 2 x Optical
Control	IP	IP	IP
Rack Space	n/a	2U	2U
Dimensions	165 x 147 x 35mm	381 x 432 x 53mm	381 X 432 X 53mm



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## DIRECTOR COLLECTION

6"							
	D61	D63	D65	D67	D69	D61DT	D63DT/ SUR
Woofer Size	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"	6.5"
Woofer Material	Polypropylene	IMG	IMG	Glass Fibre	Kevlar	Polypropylene	IMG
Tweeter	1" Silk	1" Aluminium	1" Silk DPSD	1" Silk DPSD	1" Silk DPSD	Dual 1" Aluminium	Dual 1" Aluminium
Frequency Response	48Hz-20KHz	48Hz-20KHz	45Hz-20KHz	43Hz-20KHz	40Hz-20KHz	48Hz-20KHz	48Hz-20KHz
Impedance	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω
Suggested Amp Power	25W-125W	25W-125W	25W-140W	25W-150W	25W-160W	25W-125W	25W-125W
Sensitivity	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB	90dB ± 3dB	90dB ± 3dB	89dB ± 3dB	89dB ± 3dB
IP Rating	IPX6	IPX6	IPX6	IPX6	IPX6	IPX6	IPX6
Mounting System	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip
Depth*	92mm*	92mm*	135mm	135mm	135mm	91mm*	101mm*
Cut-out Diameter	222mm	222mm	222mm	222mm	222mm	222mm	222mm

## DIRECTOR COLLECTION

8"							
	D81	D83	D83A	D85	D87	D89	D83DT/ SUR
Woofer Size	8"	8"	8"	8"	8"	8"	8"
Woofer Material	Polypropylene	IMG	IMG	IMG	Glass Fibre	Kevlar	IMG
Tweeter	1" Silk	1" Aluminium	1" Aluminium	1" Silk DPSD	1" Silk DPSD	1" Silk DPSD	Dual 1" Aluminium
Frequency Response	38Hz-20KHz	38Hz-20KHz	38Hz-20KHz	36Hz-20KHz	34Hz-20KHz	30Hz-20KHz	38Hz-20KHz
Impedance	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω
Suggested Amp Power	50W-125W	50W-125W	50W-125W	50W-150W	50W-175W	50W-200W	50W-125W
Sensitivity	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB	90dB ± 3dB	90dB ± 3dB	89dB ± 3dB
IP Rating	IPX6	IPX6	IPX6	IPX6	IPX6	IPX6	IPX6
Mounting System	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip
Depth*	98mm*	105mm*	105mm	142mm	142mm	142mm	109mm*
Cut-out Diameter	222mm	222mm	222mm	222mm	222mm	222mm	222mm



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## DIRECTOR COLLECTION

10"			
	<b>D105</b>	<b>D107</b>	<b>D109</b>
Woofer Size	10"	10"	10"
Woofer Material	IMG	Glass Fibre	Kevlar
Tweeter	Silk DPSD	Silk DPSD	Silk DPSD
Frequency Response	28Hz-20KHz	28Hz-20KHz	25Hz-20KHz
Impedance	6 Ω	6 Ω	6 Ω
Suggested Amp Power	50W-150W	50W-175W	50W-200W
Sensitivity	89dB ± 3dB	91dB ± 3dB	91dB ± 3dB
IP Rating	IPX6	IPX6	IPX6
Mounting System	ZipClip	ZipClip	ZipClip
Depth*	158mm	158mm	158mm
Cut-out Diameter	264mm	264mm	264mm

## DIRECTOR MINIMAL OPENING

MINIMAL OPENING			
	<b>D39</b>	<b>D57</b>	<b>D59</b>
Woofer Size	3"	5"	5"
Woofer Material	Kevlar	Glass Fibre	Kevlar
Tweeter	0.75" Silk DPSD	1" Silk Tweeter	1" Silk Tweeter
Frequency Response	100Hz-20KHz	68Hz - 20kHz	68Hz - 20kHz
Impedance	6 Ω	6 Ω	6 Ω
Suggested Amp Power	5W-100W	25W-125W	25W-125W
Sensitivity	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB
IP Rating	IPX6	IPX6	IPX6
Mounting System	Zipclip	Zipclip	Zipclip
Depth*	86mm	95mm	95mm
Cut-out Diameter	79mm	150mm	150mm

\*Depth assumes 15.87mm drywall



\*\*actual depth is 135mm with ZipClip rails, but can fit in stated depth when ZipClip rails are cut down






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### THINFIT COLLECTION

THINFIT	 TF36	 TF64DT
Woofer Size	4 x 3.5"	6.5"
Woofer Material	Glass Fibre	IMG
Tweeter	0.75" Silk DPSD	Dual 0.75" Aluminium
Frequency Response	50Hz-20KHz	45Hz-20KHz
Impedance	8 Ω	8 Ω
Suggested Amp Power	5W-110W	5W-140W
Sensitivity	89dB ± 3dB	89dB ± 3dB
IP Rating	IPX6	IPX6
Mounting System	Dog Leg	Dog Leg
Depth*	68mm	70mm
Cut-out Diameter	222mm	222mm

### ENTERTAINER COLLECTION

ENTERTAINER	 E60
Woofer Size	6.5"
Woofer Material	Polypropylene
Tweeter	0.5" PEI
Frequency Response	48Hz-20KHz
Impedance	8 Ω
Suggested Amp Power	5W-100W
Sensitivity	86dB ± 3dB
IP Rating	N/A
Mounting System	Dog Leg
Depth*	89mm
Cut-out Diameter**	203mm**

### PRODUCER COLLECTION

PRODUCER	 P60	 P61	 P60DT	 P80	 P80DT
Woofer Size	6.5"	6.5"	6.5"	8"	8"
Woofer Material	Polypropylene	IMG	Polypropylene	Polypropylene	Polypropylene
Tweeter	1" Silk	1" Aluminium	Dual 1" Silk	1" Silk	Dual 1" Silk
Frequency Response	48Hz-20KHz	48Hz-20KHz	48Hz-20KHz	38Hz-20KHz	38Hz-20KHz
Impedance	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
Suggested Amp Power	5W-100W	5W-100W	5W-100W	5W-100W	5W-100W
Sensitivity	86dB ± 3dB	86dB ± 3dB	86dB ± 3dB	88dB ± 3dB	88dB ± 3dB
Mounting System	Dog Leg	Dog Leg	Dog Leg	Dog Leg	Dog Leg
Depth*	87mm	87mm	88mm	96mm	96mm
Cut-out Diameter	202mm	202mm	202mm	251mm	251mm

\*Depth assumes 15.87mm drywall

\*\*actual depth is 135mm with ZipClip rails, but can fit in stated depth when ZipClip rails are cut down



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## B&O CELESTIAL COLLECTION



SCBOC60200



SCBOC60600



SCBOC80200



SCBOC80600



SCBOC10060



SCBOC2T802

Woofer Size	6"	6"	8"	8"	10"	8"
Woofer Material	IMG	Glass Fibre	IMG	Glass Fibre	Glass Fibre	IMG
Tweeter	1" Silk DPSD	1" Silk DPSD	1" Silk DPSD	1" Silk DPSD	1" Silk DPSD	Twin Silk DPSD
Frequency Response	48Hz-20KHz	43Hz-20KHz	38Hz-20KHz	34Hz-20KHz	28Hz-20KHz	38Hz-20KHz
Impedance	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω
Suggested Amp Power	25W-125W	25W-150W	50W-125W	50W-175W	50W-200W	50W-125W
IP Rating	IPX6	IPX6	IPX6	IPX6	IPX6	IPX6
Mounting System	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip
Depth*	94mm	127mm	105mm	142mm	158mm	109mm
Cut-out Diameter	222mm	222mm	222mm	222mm	264mm	222mm

## EXPLORER COLLECTION

EXPLORER	D65EX	C65EX	D83EX	D83DT/ SUREX	D83AEX	D85EX	D105EX
Woofer Size	6.5"	4" x 8"	8"	8"	8"	8"	10"
Woofer Material	IMG	IMG	IMG	IMG	IMG	IMG	IMG
Tweeter	1" Silk DPSD	1" Aluminium	1" Aluminium	Dual 1" Aluminium	1" Aluminium	1" Silk DPSD	Silk DPSD
Frequency Response	45Hz-20KHz	45Hz-20KHz	38Hz-20KHz	38Hz-20KHz	38Hz-20KHz	36Hz-20KHz	28Hz-20KHz
Impedance	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω	6 Ω
Suggested Amp Power	25W-140W	25W-110W	50W-125W	50W-125W	50W-125W	50W-150W	50W-150W
Sensitivity	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB
IP Rating	IPX6	IPX6	IPX6	IPX6	IPX6	IPX6	IPX6
Mounting System	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip	ZipClip
Depth*	135mm	95mm	105mm*	109mm*	105mm	142mm	158mm
Cut-out Diameter	222mm	118 x 278mm	222mm	222mm	222mm	222mm	264mm

\*Depth assumes 15.87mm drywall

\*\*actual depth is 135mm with ZipClip rails, but can fit in stated depth when ZipClip rails are cut down



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## IN-WALL SPEAKERS

30"		
	<b>THTR67</b>	<b>THTR69</b>
Woofer Size	4x6.5"	4x6.5"
Woofer Material	Glass Fibre	Kevlar
Tweeter	1" Silk DPSD	1" Silk DPSD
Frequency Response	40Hz-20KHz	40Hz-20KHz
Impedance	6 Ω	6 Ω
Suggested Amp Power	10W-200W	10W-200W
Sensitivity	92dB ± 3dB	92dB ± 3dB
IP Rating	IPX6	IPX6
Mounting System	SpringLock	SpringLock
Depth*	95mm	95mm
Cut-out (WxH)	198mm x 736mm	198mm x 736mm

## IN-WALL SPEAKERS

15"			
	<b>LCR65</b>	<b>LCR67</b>	<b>LCR69</b>
Woofer Size	6.5"	6.5"	6.5"
Woofer Material	IMG	Glass Fibre	Kevlar
Tweeter	1" Aluminium	1" Silk DPSD	1" Silk DPSD
Frequency Response	55Hz-20KHz	55Hz-20KHz	53Hz-20KHz
Impedance	6 Ω	6 Ω	6 Ω
Suggested Amp Power	25W-150W	25W-150W	25W-150W
Sensitivity	90dB ± 3dB	89dB ± 3dB	90dB ± 3dB
IP Rating	IPX6	IPX6	IPX6
Mounting System	SpringLock	SpringLock	SpringLock
Depth*	95mm	95mm	95mm
Cut-out (WxH)	168mm x 364mm	168mm x 364mm	168mm x 364mm

## IN-WALL SPEAKERS

12"				
	<b>C63</b>	<b>C65</b>	<b>C67</b>	<b>C69</b>
Woofer Size	4" x 8"	4" x 8"	4" x 8"	4" x 8"
Woofer Material	Polypropylene	IMG	Glass Fibre	Kevlar
Tweeter	1" Aluminium	1" Aluminium	1" Silk DPSD	1" Silk DPSD
Frequency Response	45Hz-20KHz	45Hz-20KHz	43Hz-20KHz	40Hz-20KHz
Impedance	6 Ω	6 Ω	6 Ω	6 Ω
Suggested Amp Power	25W-110W	25W-110W	25W-125W	25W-140W
Sensitivity	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB	89dB ± 3dB
IP Rating	IPX6	IPX6	IPX6	IPX6
Mounting System	SpringLock	SpringLock	SpringLock	SpringLock
Depth*	95mm	95mm	95mm	95mm
Cut-out (WxH)	118mm x 278mm	118mm x 278mm	118mm x 278mm	118mm x 278mm






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## IN-WALL SPEAKERS

10"	 LCR37	 LCR39
Woofer Size	3.5"	3.5"
Woofer Material	Glass Fibre	Kevlar
Tweeter	1" Silk DPSD	1" Silk DPSD
Frequency Response	70Hz-20KHz	70Hz-20KHz
Impedance	6 Ω	6 Ω
Suggested Amp Power	25W-80W	25W-80W
Sensitivity	90dB ± 3dB	89dB ± 3dB
IP Rating	IPX6	IPX6
Mounting System	SpringLock	SpringLock
Depth*	95mm	95mm
Cut-out (WxH)	112mm x 240mm	112mm x 240mm

## B&O PALATIAL COLLECTION

 B&O	 SWBOP15600	 SWBOP30600
Woofer Size	2 x 6.5"	4 x 6.5"
Woofer Material	Glass Fibre	Glass Fibre
Tweeter	1" Silk DPSD	1" Silk DPSD
Frequency Response	55Hz-20KHz	40Hz-20KHz
Impedance	6 Ω	6 Ω
Suggested Amp Power	25W-150W	10W-200W
Sensitivity	89dB ± 3dB	92dB ± 3dB
IP Rating	IPX6	IPX6
Mounting System	SpringLock	SpringLock
Depth*	95mm	96mm
Cut-out (WxH)	190mm x 386mm	198mm x 736mm

## IN-WALL SUBWOOFER

COMPOSERS SUBWOOFERS	 CSUB10NCE	 CSUB10N	 CSUB10R
Woofer Size	N/A	10"	10"
Woofer Material	N/A	Aluminium	Aluminium
Frequency Response	N/A	30Hz - 250Hz	30Hz - 250Hz
Impedance	N/A	8 Ω	8 Ω
Suggested Amp Power	N/A	10W-500W	50W-250W
Depth*	N/A	89mm	89mm
Cut-out (WxH)	N/A	268mm x 268mm	325mm x 325mm





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## DEEP SUBWOOFERS

DEEP SUBWOOFERS	COMING SOON			
	SUBDD12EQ	SUBD12EQ	SUBD10EQ	SUBD8EQ
Driver	2x12"	12"	10"	8"
Class-D Power	1200W	1000W	600W	300W
Low Frequency	19Hz	22Hz	26Hz	31Hz
Bluetooth App Control	Y	Y	Y	Y
Dimensions (W x H x D)	TBC	431.8mm x 431.8mm x 431.8mm	368mm x 368mm x 368mm	292mm x 292mm x 292mm
Finish	Woven Cloth with Aluminium Top	Woven Cloth with Aluminium Top	Woven Cloth with Aluminium Top	Woven Cloth with Aluminium Top

## SOUNDBAR COLLECTION

SOUNDBAR COLLECTION			
	SB3	SB1	SB05
Channels	3 (L,C,R)	1	1
Woofer	4 x 3.5"	2 x 3.5"	1 x 3.5"
Woofer Material	Glass Fibre	Glass Fibre	Glass Fibre
Tweeter	3 x 1" Silk DPSD	1" Silk DPSD	1" Silk DPSD
Sensitivity	90dB ± 3dB	90dB ± 3dB	90dB ± 3dB
Frequency Response	65Hz - 20kHz	65Hz - 20kHz	67Hz - 20kHz
Impedance	8 Ω	8 Ω	8 Ω
Desktop Stand	Y	Y	Y
Wall Mountable	Y	Y	Y





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## SEASONS COLLECTION

SEASONS COLLECTION	 <b>OS55</b>	 <b>OS57</b>	 <b>OS65</b>	 <b>OS67</b>	 <b>OS55DT</b>	 <b>OS65DT</b>
Tweeter	0.75" Aluminium	0.75" Aluminium	1" Aluminium	1" Aluminium	Dual 0.75" Aluminium	Dual 1" Aluminium
Woofer	5.25" IMG	5.25" Glass Fibre	4" x 8" IMG	4" x 8" Glass Fibre	5.25" IMG	4" x 8" IMG
Frequency Response	63Hz - 20 KHz	63Hz - 20 KHz	60Hz - 20 KHz	52Hz - 20 KHz	68Hz - 20 KHz	60Hz - 20 KHz
Impedance	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
IP Rating	IPX7	IPX7	IPX7	IPX7	IPX7	IPX7
Suggested Amp Power	5W - 60W	5W - 70W	5W - 70W	5W - 80W	5W - 80W	5W - 100W
Sensitivity	88dB ± 3dB	88dB ± 3dB	88dB ± 3dB	88dB ± 3dB	90dB ± 3dB	90dB ± 3dB
Dimensions (W x H x D)	178mm x 266mm x 178mm	178mm x 266mm x 178mm	178mm x 330mm x 178mm	178mm x 330mm x 178mm	178mm x 266mm x 178mm	178mm x 330mm x 178mm
Finish	Black or White	Black or White	Black or White	Black or White	Black or White	Black or White

## LANDSCAPE COLLECTION

LANDSCAPE COLLECTION	 <b>LS44</b>	 <b>LS64</b>	 <b>OSUB8</b>	 <b>OSUB10</b>	 <b>OSUB12</b>	 <b>OSUB10P</b>
Tweeter	0.75" Titanium	0.75" Titanium	-	-	-	-
Woofer	4.5" Polypropylene	6" Polypropylene	8" Polypropylene	10" Polypropylene	12" Polypropylene	8" Polypropylene
Frequency Response	80Hz - 20 KHz ± 3dB	60Hz - 20 KHz ± 3dB	39Hz - 100 KHz ± 3dB	32Hz - 100 KHz ± 3dB	23Hz - 100 KHz ± 3dB	35Hz - 100 KHz ± 3dB
Impedance	70V or 8 Ω	70V or 8 Ω	70V or 8 Ω	70V or 8 Ω	70V or 8 Ω	70V or 8 Ω
Suggested Amp Power	5W - 150W	5W - 150W	100W	300W	300W	300W
Dimensions (W x H x D)	134mm x 221mm x 210mm	179mm x 255mm x 280mm	315mm x 538mm x 315mm	400mm x 543mm x 400mm	450mm x 598mm x 450mm	400mm x 286mm

## ACOUSTIC LANDSCAPE COLLECTION

ACOUSTIC LANDSCAPE	 <b>AS41</b>	 <b>AS4SAT</b>
Description	4 x A4SAT Satellite Speakers & 1 x A8SUB In Ground Subwoofer	2 x A4SAT Satellite Speakers



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## SEASONS LANDSCAPE AMPLIFIER

### SEASONS LANDSCAPE AMPLIFIER



#### DSP3700

Channels	3
Power per Channel at 8 Ω	4
Power	8 Ω or 70V
Rack Size	2U
DSP	Y
Dimensions (W x H x D)	432mm x 58mm x 279mm

## 4 ZONE DOT AMPLIFIER

### 4 ZONE DOT AMPLIFIER



#### AV850

Power	8 x 50W at 8 Ω
Alexa Zones	4
Frequency Response	20Hz - 20kHz
Loop Through	Y
12V Trigger	Y
Dimensions (W x H x D)	432mm x 58mm x 279mm

## 4 ZONE DOT KIT

### 4 ZONE DOT KIT



#### DOTKIT68



#### DOTKIT5

Description	Echo Dot Kit (6"/8" Speaker Cutout) x4	Echo Dot Kit (5" Speaker Cutout) x4
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## DESIGNER AMPLIFIER

### DESIGNER AMPLIFIER



#### A2150



#### A1250



#### SUBA150






#### SUBA500








No. Of Channels	2	12	1	1
Power per Channel at 8 Ω	150W	58W	150W	500W
S/N Ratio	89dB	83dB	104dB	100dB
Auto Off	20 Mins	20 Mins	12 Mins	5-30 Mins
Low-Pass Filter Freq.	N/A	N/A	50Hz - 160Hz	40Hz - 160Hz
Low-Pass Filter Slope	N/A	N/A	12dB / Oct	12dB / Oct

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## FULL-RANGE HOME CINEMA LOUDSPEAKERS

FULL - RANGE HOME CINEMA LOUDSPEAKER	 <b>P860</b>	 <b>P815</b>	 <b>P610</b>
Impedance	Mid/HF: 4 Ω nominal Low: 2 Inputs each at 4 Ω nominal	Mid/HF: 8 Ω nominal Low: 8 Ω nominal	8 Ω nominal
Amplification Req	Mid/HF: 1 Channel at 1200W Low: 2 Channels at 1200W	Mid/HF: 600W Low: 600W	Mid/HF: 600W Low: 600W
Sensitivity	95dB	96dB	92dB
Max SPL	128dB	122dB	116dB
Frequency Response	40Hz - 20KHz	40Hz - 20KHz	40Hz - 20KHz
Dispersion Pattern	Constant Directivity 80°H x 50°V from 1.0KHz	Constant Directivity 80°H x 50°V from 1.5KHz	Constant Directivity 90°H x 60°V from 2.0KHz
Dimensions (H x W x D)	1720mm x 670mm x 300mm	1030mm x 480mm x 280mm	700mm x 540mm x 150mm

## HOME CINEMA LOUDSPEAKERS

HOME CINEMA LOUDSPEAKER	 <b>P5</b>	 <b>P5v</b>	 <b>P5iw</b>	 <b>P6</b>	 <b>P6v</b>	 <b>P8</b>	 <b>P28</b>
Impedance	8 Ω nominal Phase angles less than 45°	8 Ω nominal Phase angles less than 45°	8 Ω nominal Phase angles less than 45°	8 Ω nominal Above 10 Ω in working range, phase angles less than 30°	8 Ω nominal Above 10 Ω in working range, phase angles less than 30°	8 Ω nominal Above 12 Ω in working range, phase angles less than 30°	4 Ω nominal Above 6 Ω in working range, phase angles less than 30°
Power	Continuous 75W Peak 250W	Continuous 75W Peak 250W	Continuous 75W Peak 250W	Continuous 100W Peak 300W	Continuous 100W Peak 300W	Continuous 250W Peak 1000W	Continuous 500W Peak 1000W
Max SPL	Freestanding: 107dB cont. 113dB peak In-wall: 113dB cont. 119dB peak	Freestanding: 107dB cont. 113dB peak In-wall: 113dB cont. 119dB peak	113dB cont. 119dB peak	Freestanding: 110dB cont. 116dB peak In-wall: 116dB cont. 122dB peak	Freestanding: 110dB cont. 116dB peak In-wall: 116dB cont. 122dB peak	Freestanding: 116dB cont. 122dB peak In-Baffle: 122dB cont. 126dB peak	Freestanding: 116dB cont. 122dB peak In-Baffle: 122dB cont. 126dB peak
Frequency Range	90Hz - 20KHz	90Hz - 20KHz	90Hz - 20KHz	70Hz - 20KHz	70Hz - 20KHz	80Hz - 20KHz	75Hz - 20KHz
Dispersion Pattern	Constant Directivity 80°H x 50°V from 1.0KHz	Constant Directivity 80°H x 50°V from 1.5KHz	Constant Directivity 90°H x 60°V from 2.0KHz	Constant Directivity 90°H x 60°V from 2.0KHz	Constant Directivity 90°H x 60°V from 2.0KHz	Constant Directivity 80°H x 50°V from 1.5KHz	Constant Directivity 80°H x 35°V from 1.5KHz
Finish	White semi-matte or Black semi-matte	White semi-matte or Black semi-matte	White semi-matte or Black semi-matte	Black Semi-matte	Black Semi-matte	Black Semi-matte	Black Semi-matte
Dimensions (H x W x D)	304mm x 190mm x 170mm	600mm x 295mm x 200mm	470mm x 300mm x 115mm	290mm x 470mm x 125mm	470mm x 290mm x 125mm	410mm x 450mm x 200mm	620mm x 450mm x 190mm

## HOME CINEMA SUBWOOFERS

HOME CINEMA SUBWOOFERS	 <b>P15A</b>	 <b>P15FP</b>	 <b>P15 AMP</b>	 <b>P18</b>	 <b>V18</b>
Max SPL	116dB at 50Hz	125dB at 50Hz	125dB at 50Hz	133dB continuous 139dB peak	137dB continuous 143dB peak
Sensitivity	96dB	96dB	96dB	102dB	105dB
Power Handling	Built-in 350W Class-D Amplifier.	2 x 700W continuous 2 x 1500W peak	2 x 350W Built-In 350W Class-D Amplifier	2 x 1200W continuous 2 x 3000W peak	2 x 1200W continuous 2 x 3000W peak
Frequency Response	25Hz	22Hz	22Hz	21Hz	18Hz
Dimensions (H x W x D)	700mm x 505mm x 230mm	570mm x 930mm x 220mm	570mm x 930mm x 220mm	670mm x 1050mm x 300mm	520mm x 1050mm x 670mm

## UPGRADE SUBWOOFERS


UPGRADE SUBWOOFERS	 <b>P10si</b>	 <b>P15si</b>	 <b>V6</b>
Max SPL	113dB at 50Hz	119dB	133dB Continuous at 50Hz 137dB Peak at 50Hz
Sensitivity	92dB	96dB	99dB
Power Handling	50W Continuous 1000W Peak	700W continuous 1500W peak	18Hz
Impedance	12 $\Omega$	8 $\Omega$	2 x 4 $\Omega$
Frequency Response	26Hz	22Hz	700W minimum > 4KW maximum per input
Dimensions (H x W x D)	365mm x 540mm x 150mm	570mm x 930mm x 220mm	1060mm x 530mm x 360mm




## ALTITUDE32 PRE-AMPLIFIER

ALTITUDE32 AV PROCESSOR				
	ALTITUDE32 8-8	ALTITUDE32 8-16	ALTITUDE32 16-24	ALTITUDE32 16-32
Power Consumption	90W Max	90W Max	90W Max	90W Max
3D Audio Codescs	N/A	Optional extra Dolby Atmos: Auro-3D; DTS:X	Optional extra Dolby Atmos: Auro-3D; DTS:X	Optional extra Dolby Atmos: Auro-3D; DTS:X
Channel Support	Up to 8	Up to 16	Up to 24	Up to 32
Rack Size	4U	4U	4U	4U
Dimensions (H x W x D)	165mm x 442mm x 445mm	165mm x 442mm x 445mm	165mm x 442mm x 445mm	165mm x 442mm x 445mm


## ALTITUDE16 AV PROCESSOR

ALTITUDE16 AV PROCESSOR	
	ALTITUDE16
Analogue Outputs	16 x XLR balanced
HDMI	7 In, 2 Out
Network Audio Connectors	2
Dimensions (H x W x D)	150mm x 432mm x 394mm
Rack Size	3.5U

## AMPLITUDE8 POWER AMPLIFIER

ALTITUDE8 POWER AMPLIFIER	
	AMPLITUDE8
Power	225W per Channel at 8 $\Omega$
Frequency Response	$\pm 0.5$ dB from 0Hz to 20KHz
Signal to Noise Ratio	125 dB
Rack Size	4.5U
No of Channels	8
Dimensions (H x W x D)	186mm x 443mm x 502mm

## AMPLITUDE8M POWER AMPLIFIER


ALTITUDE8M POWER AMPLIFIER	
	AMPLITUDE8M
Power	200W per Channel at 8 $\Omega$
Frequency Response	$\pm 0.5$ dB from 0Hz to 20KHz
Signal to Noise Ratio	123dB
Rack Size	3.5U
No of Channels	8
Dimensions (H x W x D)	150mm x 432mm x 394mm



## MAGNITUDE32 ROOM/SPEAKER OPTIMISER

MAGNITUDE32 SPEAKER OPTIMISER					
	MAGNITUDE32 8-8	MAGNITUDE32 12-12	MAGNITUDE32 16-16	MAGNITUDE32 16-24	MAGNITUDE32 16-32
Power Consumption	90W Max	90W Max	90W Max	90W Max	90W Max
Resolution/ Sampling Rate	24 bits/ 96KHz	24 bits/ 96KHz	24 bits/ 96KHz	24 bits/ 96KHz	24 bits/ 96KHz
Signal to noise Ratio	119dB (A-weighted)	119dB (A-weighted)	119dB (A-weighted)	119dB (A-weighted)	119dB (A-weighted)
Analogue Inputs	Ports 1-8 XLR	Ports 1-8 XLR + Ports 9-16 SUBD-25	Ports 1-8 XLR + Ports 9-16 SUBD-25	Ports 1-8 XLR + Ports 9-16 SUBD-25	Ports 1-8 XLR + Ports 9-16 SUBD-25
Analogue Outputs	Ports 1-8 XLR + Ports 1-8 SUBD-25	Above + Ports 9-16 SUBD-25	Above + Ports 9-16 SUBD-25	Above + Ports 16-24 SUBD-25	Above + Ports 24-32 SUBD-25
Dimensions (H x W x D)	97mm x 441mm x 420mm	97mm x 441mm x 420mm	97mm x 441mm x 420mm	97mm x 441mm x 420mm	97mm x 441mm x 420mm

## HIFI

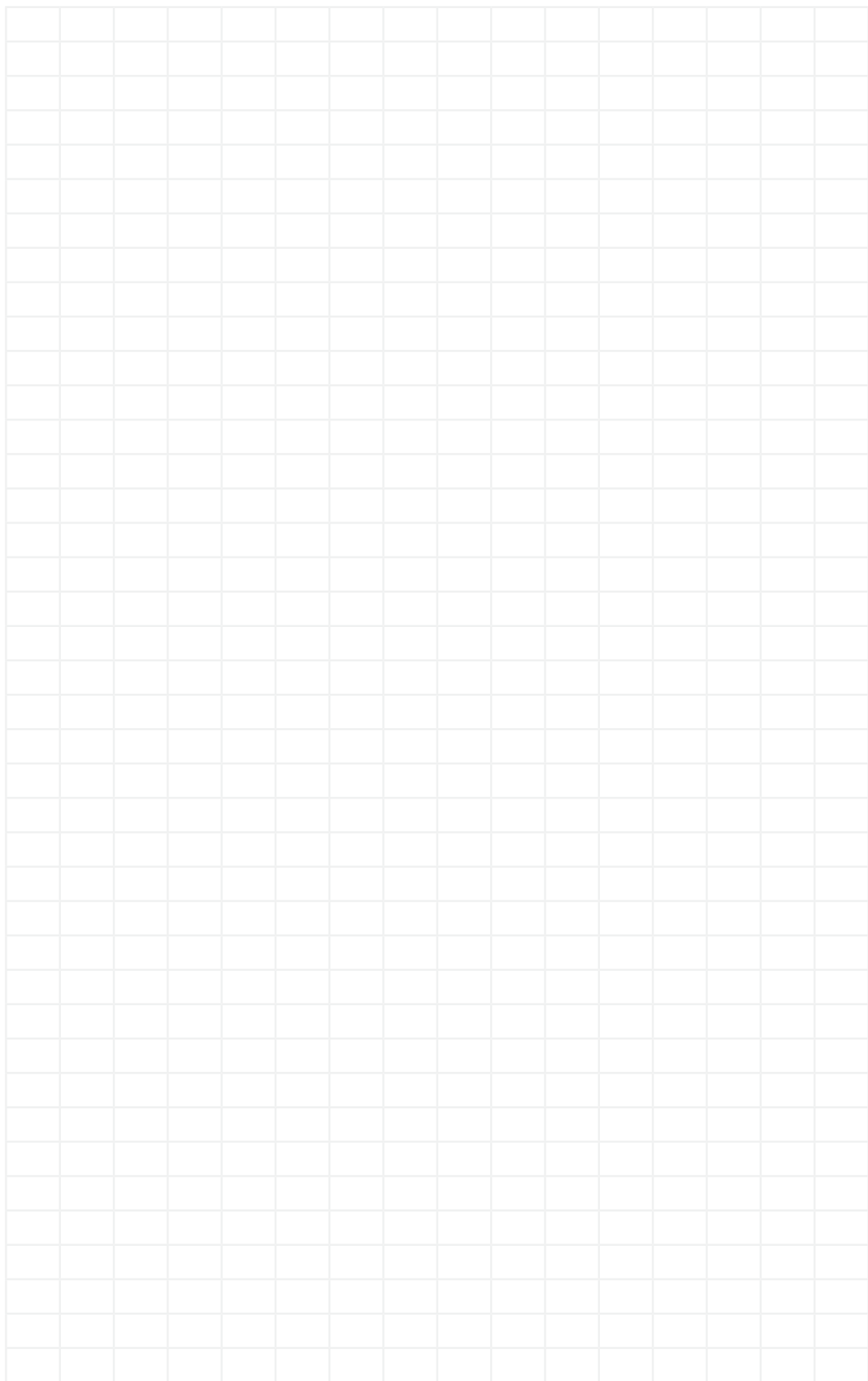
OPTIMISERS		
	Amethyst	ST2 HiFi
Pre-amp Section	Y	N
Source Inputs	11	4 x Analogue (Stereo)
DAC Resolution	24 bits/ 192kHz	24 bits/ 192kHz
Rack Size	2U	2U
Dimensions (W x H x D)	442mm x 103mm x 445mm	441mm x 97mm x 418mm



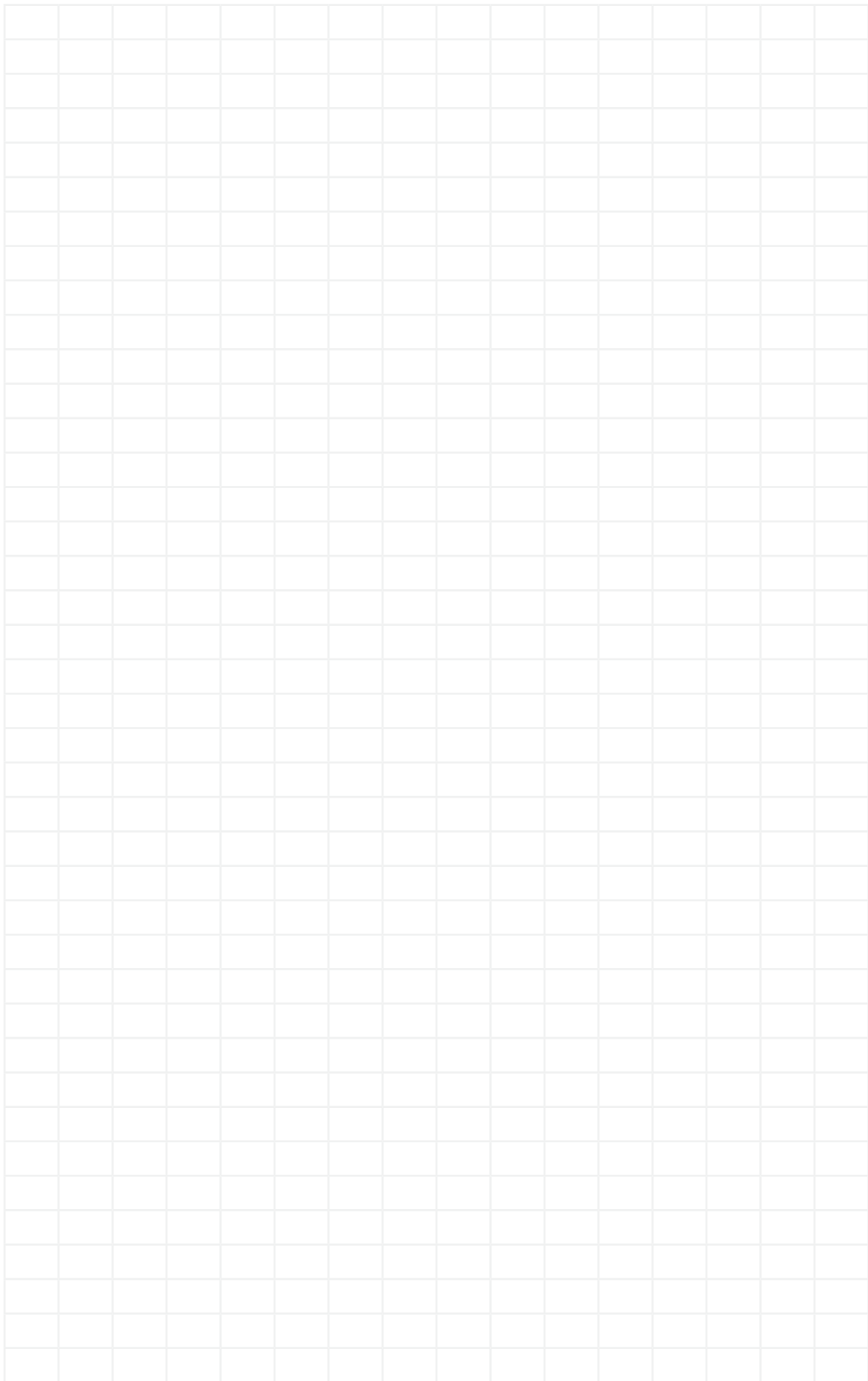
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