



AUDIO, VIDEO AND HOME  
AUTOMATION SOLUTIONS



AMINA | AQUAVISION | AUTONOMIC | LEA | LILIN | LUTRON | LUXUL  
NEAR | NEXUS 21 | PULSE-EIGHT | RUSSOUND | SCREEN INNOVATIONS  
TDG AUDIO | TRACKRAIL SOLUTIONS



## WHO ARE AV BENELUX?



**AV Benelux distributes an A-brand range of high-end home automation and AV solutions for the professional, residential and commercial installer, system integrator and the AV dealer.**

In addition to offering the top brands in the industry, we focus on providing a high level of service to provide our installers, integrators and AV dealers with the right tools to do their job to the satisfaction of the end user.

AV Benelux is a young, dynamic and ambitious distributor for home automation and audio / video solutions. The people within AV Benelux have a total of more than 80 years of experience in the national and international home automation industry so they totally understand the needs of the customer.



## OUR BRANDS

AMINA invisible loudspeakers

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AQUAVISION in wall and waterproof TVs

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AUTONOMIC digital media servers and networked matrix amps

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LEA professional amplifiers

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LILIN high resolution IP cameras

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LUTRON lighting control

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LUXUL network switches

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NEAR outdoor audiophile loudspeakers

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NEXUS 21 motorized TV lifts

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PULSE-EIGHT audio and video distribution

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RUSSOUND multi-channel amplifiers and streamers

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SCREEN INNOVATIONS fixed and motorized projector screens

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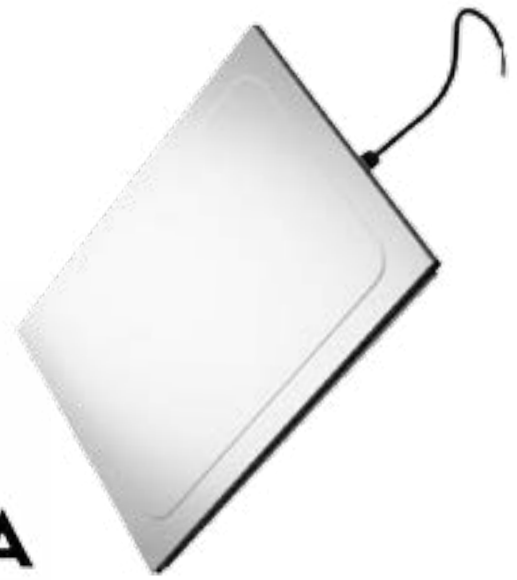
TDG AUDIO in wall, in ceiling architectural loudspeakers

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TRACKRAIL SOLUTIONS 3-phase rail audio adapter

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# THE INNOVATORS OF INVISIBLE SOUND



Based in Cambridgeshire UK, Amina Technologies Ltd is a privately owned British company and the world's market-leading designer and manufacturer of invisible loudspeaker solutions. Their unique, patented products are specified by top designers and architects worldwide for use in prestigious family homes, apartments, state palaces and historic houses through to commercial spaces such as exclusive hotels, stylish retail stores, restaurants, museums and spa complexes.

## WHY INVISIBLE?

The increasing demand for integrated lifestyle-technology, combined with the associated 'aesthetic-clutter' that comes with it, has led to a rise in demand for hidden technology solutions. Due to the constraints of traditional loudspeaker technology, regular speakers are often bulky and unattractive and are often conspicuous in elegant, design inspired spaces. That's where Amina excels – offering high quality audio products that are built into walls and ceilings and that are literally invisible, thus giving the home or business the 'look' that the designer wants and delivers great sound too.

## HOW DOES IT WORK?



DML SPEAKERS (180° DISPERSION)

CONVENTIONAL SPEAKERS

With the invention of DML (distributed mode loudspeaker), Amina has been able to take the common loudspeaker design and replace the cone with a flat panel. Instead of moving forwards and backwards visibly like a typical cone design, a DML panel uses microscopic vibrations to generate sound, which can be heard, but not seen. This allows for seamless integration of a loudspeaker into any wall, ceiling, or flat decorative panel with zero visual impact.

## WHAT DOES 'INVISIBLE' ACTUALLY MEAN?

Amina speakers are built into the wall or ceiling (or can even in some cases be built into other furniture or cabinetry too). There is no grille or cover, and depending on the model, the product can be completely plastered over and painted - so it is indistinguishable from the wall/ceiling. It can also be covered with a thin wood veneer, or with wallpaper or fabric. So when we say invisible, that's exactly what we mean!

## FREEDOM TO CREATE

While Amina is known for plaster-over loudspeakers, our fully-covered loudspeakers can often be integrated into a number of finishes other than just plaster.

The flexibility offered by the range of finishing options is unmatched by any other loudspeaker available. Combined with the incredible high-frequency dispersion offered by Amina DML loudspeakers, this can help to provide a completely invisible and incredibly immersive sound solution.

Typical covering materials used for Amina speakers include, but are not limited to: wood, leather, high pressure laminate, natural stone veneer, gold gilt, synthetic stone and of course a range of plaster finishes.

## COVERING MATERIALS

Amina loudspeakers can be bonded to the rear surface of most sheet material measuring 1-3mm in thickness (dependent on material).

Common covering materials include:

1. Wet plaster skim
2. Wood
3. Leather
4. Stone

### WET PLASTER SKIM

Installed in-line with the surface of the plasterboard and covered with a 2-3mm skim coat of wet plaster. Not just limited to conventional multi-finish plaster, great success has been achieved installing speakers with traditional or specialist plaster finishes. These include lime-based plaster, polished plaster, acoustic plaster and waterproof structural plasters such as Tadelakt.

### WOOD

Wood provides a highly flexible solution for a design-led installation. Whether traditional ornate wooden panelling has been used, machined board such as MDF, or a natural wood veneer applied to backing board, as long as the wood is less than 3mm thick, the loudspeaker can be bonded directly to the rear of the surface. Where boards are thicker than 3mm, they can be machined down to the appropriate thickness.

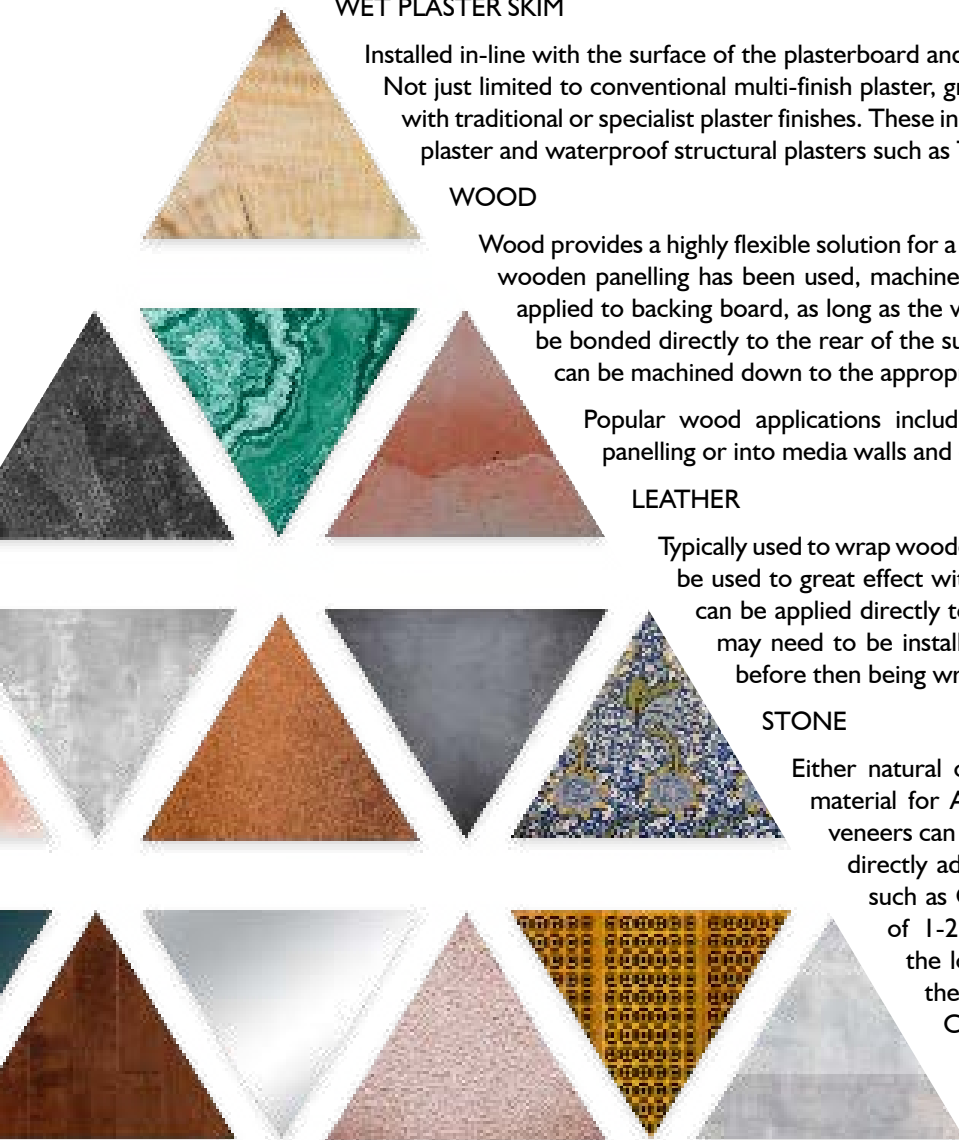
Popular wood applications include building speakers into furniture, feature-wall panelling or into media walls and conference tables.

### LEATHER

Typically used to wrap wooden-panelling, both natural or synthetic leathers can be used to great effect with Amina loudspeakers. Thick or heavier leathers can be applied directly to the front of the loudspeaker; very thin leathers may need to be installed into wooden-panelling which is 1-2mm thick before then being wrapped in the leather.

### STONE

Either natural or synthetic stone may be used as the finishing material for Amina fully-covered loudspeakers. Natural stone veneers can be used, either pre-applied to a backing board, or directly adhered to the loudspeaker itself. Synthetic stone, such as Corian, should be machined down to a thickness of 1-2mm at the loudspeaker's location. This allows the loudspeaker to be bonded directly to the rear of the material and ensures optimum performance. Care should be taken when machining synthetic stone, especially if it contains a large decorative aggregate.



## FREEDOM TO CREATE



### DESIGN & INSTALL FLEXIBILITY

With a range of different construction methods and finishing techniques globally, Amina makes use of two core finishing techniques to allow integration of invisible loudspeakers into any room.

### ACOUSTIC BENEFITS

There are a number of acoustic benefits to using a DML Loudspeaker over a traditional cone design. DML loudspeakers provide full-bandwidth 180° dispersion and generate what is known as an incoherent-phase waveform. These dispersion characteristics allow the loudspeaker to produce smooth, high fidelity room-filling sound across the entire listening position. Whether used for low level background music, noise masking, foreground listening or home theatre application, Amina has a range of high fidelity invisible loudspeakers to match any scenario.

### CONSTRUCTION BENEFITS

Consisting of a flat radiating panel and a low-profile exciter system, Amina loudspeakers provide the opportunity to integrate seamlessly with the design of the property. The flat section of a wall, ceiling, or piece of furniture can be used to generate room-filling sound while becoming completely invisible once installed.

Part loudspeaker and part construction material, Amina Invisible Loudspeakers are designed to be just as much a rugged building material as they are a precise acoustic device.

## ALWAYS INVISIBLE

### DRYWALL LOUDSPEAKERS

With cavity walls and ceilings being a staple of the construction industry globally, Edge Series loudspeakers provide a high performance solution in a lightweight and easy to install package where cavity walls and ceilings have been used.

Designed to replace a small section of plasterboard/drywall, Edge Series loudspeakers have their perimeter filled, taped and feathered in the same way that tapered-board is installed and finished. The entire wall/ceiling can then be painted and decorated, allowing the loudspeaker to become fully invisible.

The loudspeaker is only ever attached to the plasterboard itself and not the studwork, meaning that no special framing is required.

### FULLY COVERED LOUDSPEAKERS

Mobius Series loudspeakers provide our most flexible sound solution for a range of design-led finishes.

Engineered to work with the covering material, Mobius loudspeakers can be installed into a number of different materials or with a variety of finish options. These include, but are not limited to, wood, leather, Marble, wet plaster skim (cavity or solid block installation) or specialist finish such as acoustic or polished plaster.

Amina also manufactures products for special applications, along with wall mounting accessories and back boxes to make installation even easier.

There are also four models of powerful hidden subwoofers available to add extra bass to a system.



## EDGEi SERIES

Building on the success of the award winning Edge series, the Edge*i* provides significant acoustic upgrades with the addition of a proprietary high frequency transducer and Amina's new ToneRelief™ technology. The Edge*i* fully concealed loudspeaker is designed for drywall installation where there is no wet plaster skim coat. The Edge*i* high performance loudspeaker has increased sensitivity, low frequency extension and maximum SPL.

	Edge3	Edge5i	Edge7i
<b>Power Handling (100 hr continuous/peak)</b>	30W / 60W (8 Ohms)	50W / 100W (4 Ohms)	75W / 150W (4 Ohms)
<b>Sensitivity (1m / 2.83Vrms)</b>	86dB SPL	90dB SPL	90dB SPL
<b>Frequency Response (- 6dB)</b>	80Hz - 20kHz	60Hz - 26kHz	50Hz - 27kHz
<b>Dimensions</b>	400mm x 300mm x 36mm	450mm x 345mm x 36mm	450mm x 345mm x 36mm
<b>Weight</b>	1Kg	1.3Kg	1.8Kg
<b>Warranty (residential/commercial)</b>	10 Year / 5 Year	10 Year / 5 Year	10 Year / 5 Year



## MOBIUSi SERIES

A fully covered invisible loudspeaker. The Mobius*i* range takes highly-refined acoustic performance to new heights. With the development of proprietary high frequency transducers and in combination with Amina's patented Optidrive®, Opti-damping® and Reduced Resonance Exciter® technology, Mobius*i* speakers continue to perform well into the ultrasonic region and now provide significantly higher sensitivity and increased low frequency extension, giving an even more open and prominent sound in the vocal range and ultimately providing more linear performance throughout the frequency range.

	Mobius3	Mobius5i	Mobius7i
<b>Power Handling (100 hour continuous/peak)</b>	30W / 60W (8 Ohms)	50W / 100W (4 Ohms)	75W / 150W (4 Ohms)
<b>Sensitivity (1m / 2.83Vrms)</b>	84dB SPL	86dB SPL	87dB
<b>Frequency Response (- 6dB)</b>	112Hz - 20kHz	75Hz - 29kHz (-6db)	70Hz - 29kHz (-6db)
<b>Dimensions</b>	400mm x 300mm x 35mm	450mm x 345mm x 33mm	450mm x 345mm x 33mm
<b>Weight</b>	1.1Kg	1.4Kg	1.8Kg
<b>Warranty (residential / commercial)</b>	10 Year / 5 Year	10 Year / 5 Year	10 Year / 5 Year



## EN54

All Amina invisible speakers are available in in 100v line format with EN54 certification to allow use in voice evacuation systems. Perfect for ultra-high design commercial developments.

## INTRODUCING ALF100SM

The ALF100SM in-wall-on-stud subwoofer marks the arrival of a new category of Amina subwoofer designs that are aimed at providing extremely discreet and powerful vented subwoofers that take up zero floorspace. The ALF100SM sports a completely unobtrusive 20mm x 309mm vent that is easily hidden within skirting boards, baseboards, drywall, or cabinetry. Utilizing a powerful 10-inch woofer in a vented, 4th order, void-free Baltic Birch Plywood cabinet design, it produces solid sounding, deep bass, void of any chuffing or port noise.

This virtually invisible subwoofer is receiving rave reviews from industry professionals, describing it as a 'gamechanger'. Suitable for use in complete audio systems based around conventional or invisible speaker technology, the ALF100SM is externally powered by any suitable DSP enabled amplifier, allowing system crossover and optimization to suit specific room acoustics and musical taste.

What sets the ALF100SM design apart is its slim, compact size. Designed to fit within a standard 100mm deep, 400mm wide stud or joist construction without any extra framing, its 12.5mm deep flanged front face enables solid fixing directly to the studwork. Installation is much like a drywall repair in retrofit, or is essentially a drywall section within new construction and comes with all hardware required. Ideal for high-performance audio applications and for the most enthralling and magical home cinemas, the ALF100SM is yet another mind-blowing and ear-pleasing invisible addition to the Amina family of sound solutions.





**Discrete, specialist televisions manufactured in Britain since 1997**



**Aquavision televisions are class leaders in quality, ingenuity, and reliability.**

In 1997 we changed people's perception of the conventional way of watching television in the home forever by pioneering in-wall and waterproof televisions. We have always believed that the television should be an intrinsic part of the overall design of any living space and enjoyed in any room, regardless of environmental challenges.

You can count on Aquavision to last with our future-proof technology and innovation. We are a team of dedicated professionals, passionate about the products we create.



- We are a specialist factory in the UK that designs, builds & tests all our own products in-house
- Aquavision's products are verified by the "Made in Britain" marque, an independent trade body
- We offer a 2 year return to base warranty
- We guarantee to support all our products and offer unique upgrade solutions for existing products up to 15 years. We boast a "Fit and Forget" mantra, assuring complete peace of mind
- All our LCD's provide the best possible viewing angles (178° x 178°) available to give you the best viewing experience
- We carry stocks of all parts for at least 5 years after any television has ceased production



# INDOOR TELEVISIONS



All Aquavision Indoor Televisions are waterproof to IP66 rating, have an anti-mist heated screen and our signature 178° x 178° viewing angles, as well as compatibility with the world's leading control systems.

Screen	Resolution	Control	Sizes	Audio Outputs	FreeView HD & DVB-C Tuner	Built-in Amplifier	Android Smart TV
Genesis	2K	Discrete IR RS232	16-32"	L/R Channels Digital Coax 3.5mm Jack Plug	✓	✓	X
Nexus	2K	Discrete IR IP	16"-32"	L/R Channels Digital Coax 3.5mm Jack Plug	✓	✓	X
Pinnacle	4K	Discrete IR IP	43-100"	L/R Channels Digital Coax 3.5mm Jack Plug	✓	✓	✓
Elite	4K	Discrete IR IP	43-100"	L/R Channels, Digital Coax 3.5mm Jack Plug	X	✓	X



Frameless:

This design utilises a slimline, galvanised metal box that fits flush into the wall with a polished edge glass fitting tight on to the wall surface, protruding by 6mm.



Classic:

This option provides a fully flush in-wall appearance, utilising a polished stainless steel bezel, enabling the television to protrude from the wall by just 1.2mm.



Flush Bezel:

This option provides a fully flush in-wall appearance, combining features of both our in-wall designs enabling the television to lie completely flush with the wall.



Silhouette:

This offers a retrofit, surface-mount solution. It uses sleek lines and an ultra-thin profile that cleverly hides the mounting frame. Protrudes between 25-70mm.



Black



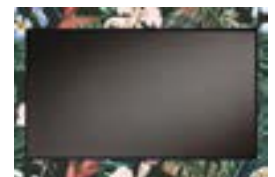
Polar White



MirrorVision®



MirrorVision+®



Custom Print/Colour

## UPGRADE KITS

At Aquavision, we understand that making a hole in the wall for our product is a long term commitment...a commitment that may actually last longer than the television or its related technology, so you may have the need to upgrade to a newer model in the future.

As a responsible manufacturer who cares about its customers, we offer upgrade kits for every size television we have ever made. All upgrade kits come with our signature 2 year warranty\*. For our customers, this means that the hole made in the wall will never be obsolete.

# OUTDOOR TELEVISIONS



Exquisitely designed, these outdoor televisions are guaranteed to enhance your swimming pool, patio, garden, boat, and any other outdoor area: whether you are in the residential, commercial, or hospitality sector. Keeping you, your guests and your clients completely entertained.

Based on our Pinnacle Smart TV range and packed with features such as 1080p and 2160p inputs, IP Control, DVB-T2/S2 receivers, 2 HDMI sockets and USB inputs, this fully IP66 rated television provides the ultimate protection against water, dust, sand & moisture.

Panel Size	43"	55"	65"	75"	86"	100"
Overall Dimensions (mm)	1062 x 675 x 135	1340 x 819 x 135	1594 x 974 x 135	1817 x 1096 x 135	2070 x 1243 x 135	2378 x 1407 x 150
Weight (kg)	50kg	65kg	80kg	130kg	150kg	180kg
VESA Mounts	600 x 400 800 x 400	800 x 600	800 x 600	800 x 600 1000 x 600	800 x 600 1000 x 600	800 x 600 1000 x 600
Resolution	4K	4K	4K	4K	4K	4K
Operating Temperature	-40°C to 110°C -40°F to 230°F	-40°C to 110°C -40°F to 230°F	-40°C to 110°C -40°F to 230°F	-40°C to 110°C -40°F to 230°F	-40°C to 110°C -40°F to 230°F	-40°C to 110°C -40°F to 230°F
Brightness	2000 cd/m <sup>2</sup>	2000 cd/m <sup>2</sup>	2000 cd/m <sup>2</sup>	2000 cd/m <sup>2</sup>	2000 cd/m <sup>2</sup>	1500 cd/m <sup>2</sup>

## All Aquavision High Brightness Horizon screens come with the following features:

### Advanced Daylight Sensing Technology:

Constantly monitors and adjusts screen brightness to ambient light level to enhance your viewing experience and prolong the life of your Aquavision.

### Comprehensive Thermal Management:

Constantly monitoring humidity and temperature, and adjusts where necessary through the use of both internal heaters and fans.

### Optional Accessory Module:

This can be for Balans, DM receivers, etc. Enabling total integration with proprietary band operating systems whilst still retaining waterproof qualities.



Our latest range of Horizon products can be built to standard Marine Specification, including the use of 316L Grade Stainless Steel, 'Tefgel' in the threads, and ruggedised to withstand the constant pounding of the sea. Our standard range of bathroom and residential products is also completely at home in the interior spaces of your vessel and can also be specified to adhere to Marine Specifications if required.



# BESPOKE TELEVISIONS

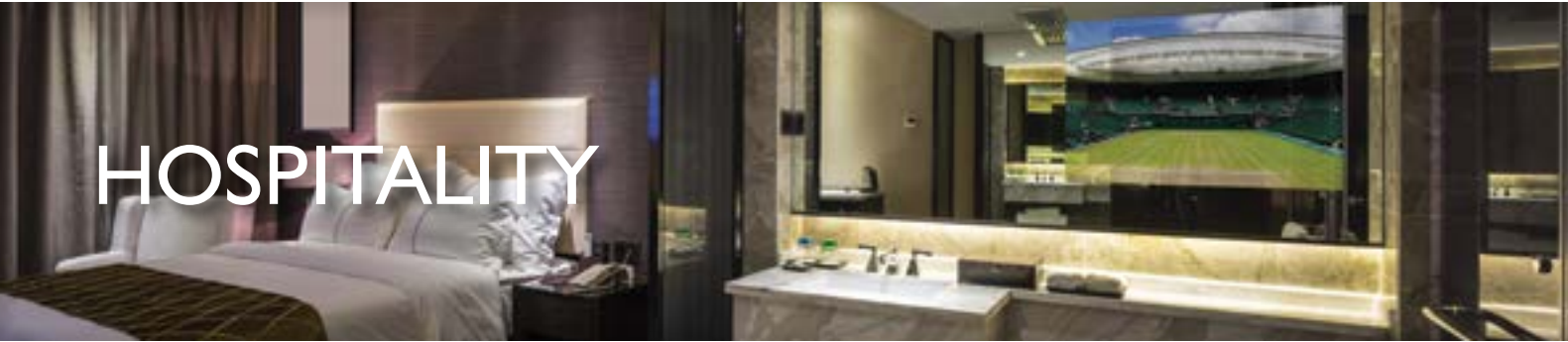


Specialists in the design of audio visual systems, Aquavision offers a unique bespoke service, incorporating any size and model of Aquavision screen (from 12" to 100") concealed within glass sections of up to 3.1m x 2m, providing endless design solutions.

Where discrete and luxury meet. Aquavision's MirrorVision+ technology allows the screen to be completely hidden within what appears to be a perfect mirror, with no visible signs of a screen when the television is switched off and a perfectly clear image when switched on. Where there is a requirement for discrete, seamless television installation, Aquavision's MirrorVision+ is the solution.



# HOSPITALITY



For over two decades, we have been passionately committed to engineering eye-catchingly elegant, discrete televisions in the UK. We are the originators who took a once regarded "inconceivable" idea and were the first to turn it into a reality. We are extremely proud that our televisions are currently being used to enhance guest experiences at some of the biggest hotel names worldwide.

BELMOND

BROWN'S HOTEL  
LONDON

FIRTHDALE HOTELS  
LONDON & NEW YORK

Hilton  
HOTELS & RESORTS

HYATT

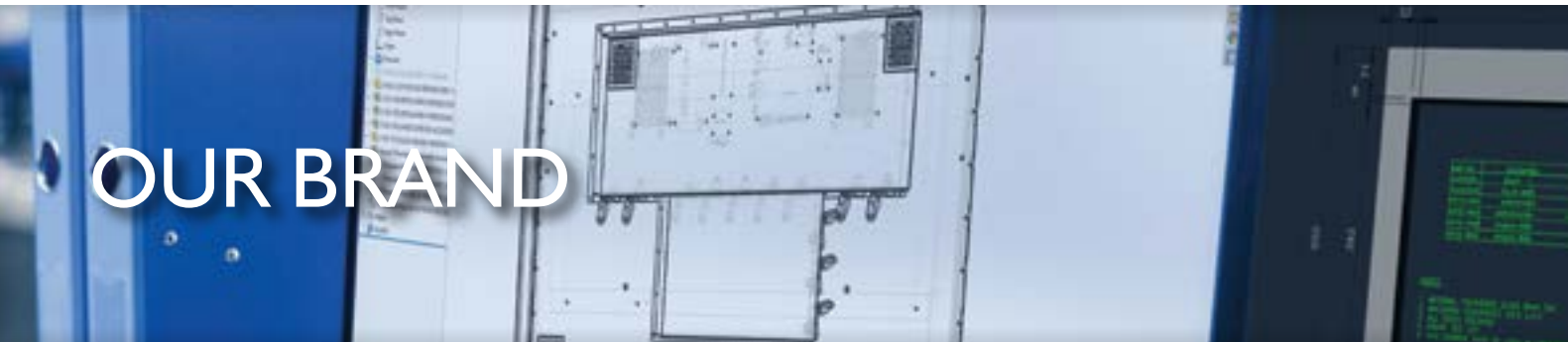
IHG  
InterContinental  
Hotels Group

SHANGRI-LA  
HOTELS & RESORTS

Marriott  
HOTELS & RESORTS

SHANGRI-LA  
HOTELS & RESORTS

# OUR BRAND



**Aquavision televisions are class leaders in quality, ingenuity, and reliability.**



At the heart of every single Aquavision product is a team of professionals, tech-engineers and passionate people who are committed to making sure Aquavision is the best of the best. We are committed to quality and the processes we use are continually improving, helping to make sure the products we create meet the high standards of all our customers from the tech enthusiasts to the homeowner looking to add something extra. **We'd love to show you our manufacturing facility and showroom, email [sales@aquavision](mailto:sales@aquavision) to arrange a visit.**

# STEP INTO MUSIC WITHOUT LIMITS



Autonomic specializes in smart and flexible multi-room audio solutions with its award-winning lineup of digital media servers and networked matrix amplifiers. Our vast range of music streaming products are engineered for custom whole-home and commercial audio installations as standalone music systems or integrated with popular third-party automation systems.

## AWARD-WINNING MUSIC SERVERS



The award-winning Mirage Media Server (MMS) product line offers state-of-the-art, high resolution audio with the convenience of accessing all local audio content and streaming music services within a single device.

- Robust native Streaming Support
- Reliable Control System Integration
- Local Library & NAS Support
- High-Res 24-bit/192kHz Digital Output



## FLEXIBLE MATRIX NETWORKED AMPLIFIERS

The Mirage Amplifiers are cutting-edge, IP controllable matrix multi-room amplifiers with some of the highest performance specifications in its class. Boasting up to 50 watts per channel into an 8-ohm load, our amplifiers have the power to drive higher end architectural or floor standing speakers.

Their IP controllability makes it the perfect choice in a controlled environment, and coax and TOSLINK digital connectors on all inputs ensure clean and pure sonic performance in every room.

- Seamless integration with MMS
- Standalone 2-way driver support
- Networked Audio (eAudioCast)
- 7 Band Parametric EQ and DSP
- Scalable up to 96 Zones and 32 Sources



# Native Support of Streaming Services



## ADVANCED MUSIC BRIDGE

The Advanced Music Bridge (AMB) works with all eSeries MMS models to unlock the features available through Mirage OS 7.0+ featuring Apple Music and more! Simple plug & play operation adds this to a system in a snap.



## WHOLE-HOME AMPLIFICATION WITH eAudioCast™

Bring digital entertainment to the most challenging-to-reach zones using our proprietary audio-over-IP technology to deliver hi-res audio over the home's network with no special equipment required.

Configure a complete, decentralized whole-home audio system that resides solely on the network. Proprietary eAudioCast technology allows network streams to be transmitted, received, and distributed across zones on each eSeries amplifier.

Integrate Mirage amplifiers seamlessly with MMS and Streamers to create a harmonious and modern audio system featuring all the most popular streaming music services and richest digital music files.

- Hi-Res Networked Audio Transport (24-bit/96kHz)
- No special hardware requirements
- Plug and Play setup
- Highly scalable

## STANDALONE CONTROL

### TUNEBRIDGE APP

An intuitive, feature-rich application allows users to browse and search their local music libraries and streaming services to play in any zone. Independent and group volume controls and zone grouping create the right setting in any room. Seamlessly save favorites and scenes to jump right back into your favorite music programs.

### IN-WALL DECORA STYLE KEYPADS

Our decora style in-wall KP-6 keypad provides a tactile control experience for high trafficked rooms. Simple power and transport controls combined with user programmable presets bring music into a room at the push of a button.



## INTEGRATED CONTROLS

Add a feature-rich music experience to any control system with full, two-way feedback and controls for the Mirage Media Server and Amplifiers. Full browsing and search functionality of the popular streaming services and local music libraries deliver an immersive experience available through the control system user interface.



## DEALER RESOURCES AUTONOMIC DEALER ZONE

Manage and troubleshoot deployed systems with the Autonomic Dealer Zone. Push firmware updates, make changes to the system configuration, and track service notes all from the comfort of your office.



# MULTI-ROOM AUDIO FOR THE PROFESSIONAL INSTALLER

FOR EVERY FACET OF  
YOUR BUSINESS



## FOR THE BUSINESS OWNER

Profitable music solution &  
white-glove support



## FOR THE SALESPERSON

Fulfill the demands of any  
client request



## FOR THE SYSTEM DESIGNER

Flexible, scalable, powerful  
solutions



## FOR THE SERVICE DEPARTMENT

Remote management via  
Dealer Zone



## FOR THE INSTALLER

Large scale systems with  
small-scale wiring



## FOR THE END USER

Great sound,  
simple control



# LEA

PROFESSIONAL

## About Us

LEA Professional was founded in January of 2019 with a drive to introduce technology, not yet seen in the audio industry. We committed ourselves to power, performance, advanced connectivity, and bold, compelling design.

Motivated to merge pro audio with new and innovative technologies, our CEO Blake Augsburger shared his ideas with several former industry engineers and executives and was met with overwhelmingly positive feedback. Not long after, they joined together in South Bend, Indiana – a famous cradle of amplifier innovation – and LEA was created.

Since then, LEA Professional has rapidly moved from startup to a major industry player. The core of the business lies in merging IoT technology with pro audio amplifiers while delivering Amazon-like transactional experiences for dealers and customers.

While others in our industry are making phone calls, filling out paperwork, waiting for follow up calls, and feeling bogged down by legacy processes – LEA is providing fast online transactions, instant order confirmation and tracking, 24 hour access to view and manage order and account information and industry-changing technology that can help integrators create monthly recurring revenue models with their customers.

### The LEA Way®

The LEA Way is our differentiator – it's the way we do business. We're not confused about who our customer is and we are driven by one goal – to make our customers successful. That goal drives every aspect of our business from bold audio technologies to delivering a sound transaction and support experience. After decades of experience in the audio industry we know that it will take a bold, transparent and fun new approach to deliver a product and a service that our customers are excited about. And that's exactly how we plan to do business – that's The LEA Way.





Remotely configure, control, and monitor your **CONNECTSERIES** amplifiers using the LEA Cloud Platform, powered and secured by Amazon Web Services' IoT Core.



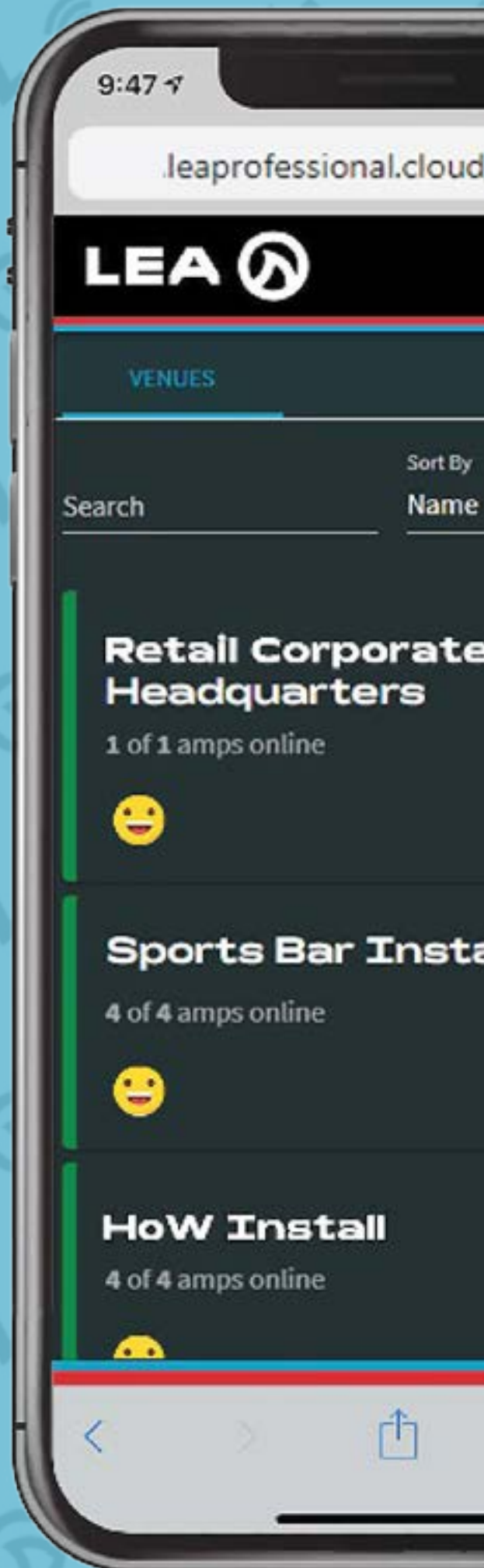
Control any **CONNECTSERIES** amplifier over the local area network with our Web UI by simply typing the amp's IP Address into any web browser from any device (phone, tablet, PC).

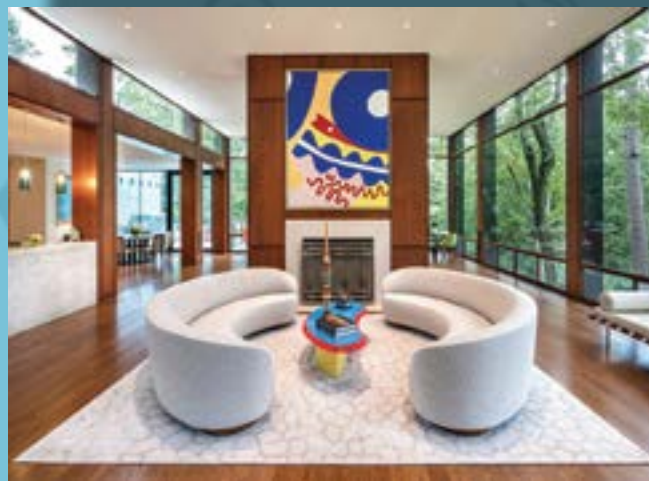


3rd Party Control plugins are available for free to integrate **CONNECTSERIES** amplifiers into systems using Crestron, Extron, Q-Sys, Altona Velocity, Utelogy, and RTI. Websocket and TCP open API documentation is also available for any custom programming applications.



Instantly configure your LEA amps to optimal performance for select speakers from Speakercraft, Amina, TDG Audio, JBL, Bose, Sonance, Martin Audio, Audac, Community, Danley, Yamaha, James Loudspeaker, D.A.S., and more using our free speaker tuning files.





Product Used: CONNECTSERIES CS168 (qty 5), CS702 (qty 1), CS354 (qty 1)

## Houston Smart Home



CONNECTSERIES CS354



CONNECTSERIES CS702



CONNECTSERIES CS168

# Install Spotlight



CONNECTSERIES CS354D



CONNECTSERIES 704D

## Hard Rock Cafe: Verona, Italy

Product Used: CONNECTSERIES CS354D & CONNECTSERIES 704D





# Power By Model



MODEL	CH	2 Ω	4 Ω	8 Ω	25V / 70V / 100V
Connect 88 / 88 D	8	40W	80W	80W	80W
Connect 168 / 168D	8	80W	160W	160W	160W
Connect 84 / 84D	4	40W	80W	80W	80W
Connect 164 / 164 D	4	80W	160W	160W	160W
Connect 354 / 354 D	4	175W	350W	350W	350W
Connect 704/ 704D	4	350W	700W	700W	700W
Connect 352 / 352D	2	175W	350W	350W	350W
Connect 702 / 702D	2	350W	700W	700W	700W
Connect 1504 / 1504D	4	1500W	1500W	1500W	1500W



## Our History & Values

All LILIN products are designed, developed, and manufactured at our Taiwanese Head Office - and have been since we were established over 40 years ago.

We're proud to offer a full range of NDAA compliant products, from cameras to multi-site VMS projects, in 1080P to 4K resolution, including specialist ranges spanning NEMA 4X and Marine Grade stainless steel domes to the latest Edge AI cameras.



## Integration

LILIN have always been at the forefront of pushing security integration into the custom install market, developing cutting edge technology, and changing the traditional design of security products to better fit into the market. LILIN removed all control buttons from the front of our NVRs, instead housing them in sleek, high gloss black units.

Camera designs moved from large, bulky silver units to smaller, compact chassis available in both black and white - providing the same excellent video quality in a form that is more aesthetically suited to high-end residential properties.

This has allowed us to develop longstanding relationships within the industry. We work very closely with the leading home automation manufacturers to develop and maintain the drivers that enable the deepest possible integration of our products within these systems.

CEDIA MEMBER



## Cyber Security

LILIN advocate for strong cyber-security policies and have partnered with companies including Deloitte to develop a rigorous, continual testing process, which allows us to provide our customers with the comfort of knowing their surveillance system is secure.



Discover

Analyze

Prioritize

Remediate & Track



Creativity  
Progress &  
Excellence

www.meritlilin.com

## 5 Series Range



LILIN's 5 Series range offers 2MP-5MP resolution IP cameras, in a variety of chassis forms to suit different installation requirements. These H.265 compatible cameras come with either a fixed 2.8mm wide angle lens (P5) or a 2.8mm-12mm varifocal lens with auto-zoom/focus function (Z5). This allows you to remotely adjust the camera view via NVR, app or web browser for an easier installation. Z5 bullet and turret cameras are also available in black chassis for no additional cost.

### Plug-and-Play PoE NVRs

LILIN's range of PoE NVRs includes 4, 8 and 16 channel models with integrated PoE switches. These NVR's are plug-and-play-capable of configuring the IP addresses of connected cameras automatically; saving valuable time and installation costs. With a free P2P connection included for secure remote viewing, these units provide a cost effective and convenient recording solution.

All PoE NVRs offer full 4K recording resolution in a sleek, high gloss black design with no front panel controls.



Designed for the Custom Install market, LILINHome presents a new, user friendly GUI and a host of new features, including:

- Multi-channel playback
- Customisable views
- Filter alarm/event log
- Download recordings to your mobile device

Watch live footage, receive push notifications and play back recordings, even download them to your device with this sleek app. Remotely control your PTZ cameras and adjust the field of view of Z series cameras with the auto zoom and focus function.

### LILINHome



## STARVIS



LILIN's 2 and 3 series camera ranges feature Sony STARVIS sensors, which uses back-illuminated pixel technology to provide clear, high quality colour images in low-light environments in either 2MP or 5MP resolution.

Even in well lit areas with multiple light sources, STARVIS cameras can provide a clearer image than their non-STARVIS counterparts, and adapt quickly to changing light and weather conditions.

LILIN's 2 series range includes more model variants, including larger bullet camera models like the 40M IR, narrower 7mm-22mm lens Z2R8122X2-P, or the Z2R8052X25, with an incredible 25X zoom and 100M IR distance.

The STARVIS medium bullets and varifocal domes also feature a P-iris lens for greater clarity of depth of field.



## IVS2.2

Upgrading a LILIN STARVIS camera with IVS2.2 will eliminate false motion alarms with the introduction of Human and Vehicle detection, which can be used independently or simultaneously.

Gone are the days of spiders, foxes or trees creating motion alarms - with IVS2.2 only creating an alarm when a human or vehicle moves through the scene. Keep your LILINHome notifications on, knowing that if you receive an alert, it won't be a mistake.

IVS 2.2 can be configured in multiple ways, providing the client with plenty of flexibility to customise the solution to their requirements. Impose further restrictions on when alarms are received by using lines to create zones in your scene, or integrate with your home automation system to only receive alerts between scheduled times.



### P2R6822E2

Our microdomes are a popular choice, with features including a built-in microphone packed into this tennis ball sized camera.



SCAN ME



## AI Tracking PTZ

LILIN's new S7, AI PTZ camera range offers a more refined tracking function. Using the available filters, choose a classification object to track - whether this be a person, vehicle or even a vessel!

Once the object has been selected you can create further restrictions, by setting the cameras field of view and imposing a limit on zoom distance, specifying the tracking speed, and how the camera decides what to follow - the largest object or the first object in the scene.



## EdgeAI Camera with YOLO

### Home Security



Human, Bicycle, Car, Motorbike, Bus, Truck, Van, SUV, Fire Engine, Ambulance

### Construction Safety



Helmet, No Helmet, Safety Vest

### ANPR



### Car Make & Model



### Fire & Smoke



### Animal



Bear, Cat, Dog, Duck, Horse, Bull, Chicken, Pig, Deer, Sheep.

### Vessel



Cargo, Cruise, Ferry, Freight, Yacht, Gondola, Inflatable, Kayak, Sailboat, Warship, Fishing.

### Mask Detection



Mask, No Mask, Improper Mask

### Pantograph Detection



Our Edge AI camera range is the only one of its kind on the market, offering a high level of flexibility and customisation.

Clients can choose which camera chassis they prefer, and what behaviours they want to detect- from a wide variety of available AI engine options- and if the outcome they want isn't available on a standard license, they can now also easily create their own AI engine using our Self+AI Cloud Service.

Customers simply upload their own images to our online web server and create a personalised firmware that can be uploaded to our cameras.



**RA2**  
Lighting control

 **LUTRON**  
PERFECT LIGHT

Whole home lighting control made simple





# RA2 Select by Lutron

Lutron RA2 Select provides personalised smart lighting and shade control for any home and any budget.

## Why RA2 Select?

Simple. App-based setup, control, and monitoring; no training or PC required.

Reliable. Like all Lutron products, RA2 Select is 100% end-of-line tested before it leaves our facilities.

Affordable. Easy installation (no cutting holes or chasing cable) and automatic programming means completing an entire job in one visit.



# Create a RA2 System in 3 Simple Steps

## Step 1

Add the main repeater

Contractor setup in the Lutron App means you can bypass the homeowner registration process and quickly configure the system.



Repeater

### Repeaters

Model number	Options	Description
RRK-SEL-REP2-BL	Main repeater	Allows for setup, control, and monitoring of multiple devices
LK-REPPRO-BL	Wireless repeater	Use up to four to extend the RF range

## Step 2

Add dimmer/switches and control the lights

Install in-line dimmer/switch in the ceiling void at the start of the lighting circuit or in a cupboard (to suit your project) for each light or group of lights to be controlled together. For table and floor lamps, simply plug the dimmer into a 13A socket.



Dimmers and switches

Plug-in lamp dimmer

### Dimmers and switches

Model number	Options
RRK-R25NE-240	1A/150W LED in-line RF dimmer 250W INC/HAL/ELV
RRK-R6ANS-240	6 A in-line RF switch
LMK-15R-DV-B	15 A relay module
LMK-5T-DV-B	0-10 V dimming module
RRK-P20-240G-BL	1A/150W plug-in lamp dimmer 200W INC/HAL

## Step 3

Choose wireless remotes for personal control

You can mount a Pico remote on a wall (without cutting holes/chasing cable) or place it on a tabletop.



2-button scene keypads



4-button scene keypads



1-column wallplate



Pico remote pedestal

## Pico wireless controls

Model number	Options
PK2-2B-TAW-P01	Entry scene keypad
PK2-2B-TAW-P02	Bedside scene keypad
PK2-4B-TAW-P01	Living room scene keypad
PK2-4B-TAW-P02	Kitchen scene keypad
PK2-4B-TAW-P03	Any room scene keypad
PK2-2B-TAW-L01	On/off zone remote
PK2-3BRL-TAW-L01	On/off with raise lower zone remote
PK2-3BRL-TAW-L01	3-Button with raise lower zone remote
PK2-4B-TAW-L01	4-Button zone control zone remote

## Accessories

Model number	Options
LPFP-S1-TAW	1-column wallplate
LPFP-S2-TAW	2-column wallplate
L-PED1-WH	Pedestal for one pico remote
L-PED2-WH	Pedestal for two pico remotes

## Integration partners



**Honeywell**  
Home





LUXUL®

## NETWORK SWITCHES

Luxul switches are designed to handle anything from a small conference room to the most demanding AV over IP installations. With a wide variety of switches available, complete with SFP/SFP+ modules for expansion, you're sure to find a switch that meets the needs of your application.



### LUXUL POE AV SWITCHES OFFER THESE BENEFITS:

- AV over IP ready – for easy integration with leading AV over IP systems
- Ideal AV distribution platform for retail, meeting rooms, corporations and campuses
- Generous PoE+ power budgets – 130W to 740W
- Silent operation
- Ports on the back for a clean rack installation
- Self-Healing Capabilities – PoE auto-recovery and power scheduling
- Three year warranty



## 4 PORT / 8 PORT UNMANAGED POE+ SWITCH

The SW-100-04P is a compact Gigabit PoE Plus switch that provides four PoE Plus capable ports of Gb Ethernet connectivity with a total power budget of 58 watts. It is an excellent choice for expanding your network when using PoE-enabled devices such as IP cameras, wireless access points, AV over IP devices, control panels and easily fits into the widest range of environments. The durable metal case includes rubber feet and keyhole features for surface mounting options.

SW-100-04P 4 PORT UNMANAGED POE+ SWITCH

SW-100-08P 8 PORT UNMANAGED POE+ SWITCH

## 5 PORT UNMANAGED POE+ SWITCH WITH POE PASSTHROUGH

The SW-100-05PD is a 5 port PoE Plus powered switch that is powered from a PoE Plus switch or injector powered uplink and provides an additional four ports of Gb Ethernet connectivity. One of the Gb Ethernet ports allows the powering of a PoE 802.3af device (pass through port) such as a camera, control system interface, or AV over IP receiver. The durable metal enclosure includes detachable wing brackets for mounting and attachable magnet feet for easy mounting to metal surfaces.

SW-100-05PD



## PROWATCH LEGRAND REMOTE MANAGEMENT TOOL

Cloud management solutions. Your client's networks host more connected devices than ever before, and their expectations for them all to work seamlessly are higher than ever. With Luxul ProWatch, monitor and manage every device on the network to proactively respond to issues while avoiding truck rolls for simple system management tasks. With the following features, enjoy peace of mind, knowing your clients' systems will be accessible at any time from anywhere:

- Receive notifications when devices fall offline
- Perform firmware updates on select Luxul routers and access points
- Customizable alerts
- Site-level status indicators for offline devices and firmware updates
- Access sites in map or list views
- Configure devices remotely via web user interfaces
- Remotely power cycle PDUs and PoE switches



## 24-PORT GB POE+ L2 L3 MANAGED SWITCH W/ 4 SFP+

The new SW-615-24P-R is a 24 port PoE+ rear facing single space rackmount Gigabit switch with 4 SFP+ 10Gb ports (aggregable up to 40Gbps) and a total PoE power budget of 370W. Each of the SFP+ ports can be used alone or aggregated together to allow 20 or 40Gbps throughput to another switch. This L2/L3 switch with 128Gbps switching capacity provides VLAN, QoS and other powerful management features.

Variable speed fans for quiet operation. ProWatch Integrated for support of remote monitoring and management.

- PoE Self-Healing with auto-recovery and power scheduling
- 24 PoE+ Gigabit Ports
- 370 Watt total PoE budget
- Rear-facing ports
- 4 SFP+ Ports
- Aggregable up to 40Gbps
- Rack Mountable

SW-615-24P-R-E

# NEAR

## The NEAR Difference | 30 Years of Outdoor Tough

### Durability

Withstands Extreme Weather, Salt fog, UV Rays, Dirt, Chlorine

### Audiophile Sound Quality

Wide Dispersion, Low Distortion, Consistent Sonic Signature

### Exceptional Build Quality

Color-Through Mica-Polymer Enclosure, Numerous Patents

### Flexibility

Mounting Options, 8 Ohm or 70/100V Switchable

### Warranty

Up to 12 Years Warranty, Less Than 1% Failure Rate

## Built for Extreme Durability and Premium Sound

NEAR designs and manufactures only professional grade DSP Amplifiers and Outdoor Speaker solutions; delivering the highest quality, outstanding performance, exceptional support, and reliable ease of use.

All of the NEAR products are designed to deliver our end-user customers peace of mind knowing that their Speaker system will provide them with years of enjoyment by the professionals who installed them. All NEAR speakers were meticulously engineered to improve the outdoor music listening experience, while also withstanding extreme climate and weather conditions, in residential and commercial environments all over the globe.

**“The NEAR IG6 and IGS12 combo is one of the best speaker systems I’ve ever heard - for either an exterior or interior design. Music comes alive wherever you are in the yard.”**

*Fred Harding, Sound & Vision*

# Why NEAR Is Different



Liquid Magnetic Suspension Driver

## Audiophile Sound Quality

Many claim it, but none deliver true audiophile-grade sound as consistently as NEAR. Numerous patented technological innovations developed over a 30-year history have made NEAR the gold standard for outdoor sound quality, even under extreme weather conditions.

## Exceptional Built Quality

All enclosures of NEAR speakers are made with color-through mica infused polymer. This robust material lasts forever and the color of the enclosure doesn't fade. The oval shaped holes in the grille from sun exposure. All grilles are powder-coated aluminum or stainless steel with oval shaped holes that let the rain run through. Last but not least, the speaker connectors are IP67 and can be even submerged in water.



## Flexibility

Can be used in either 8 ohm or 100 V/70 V configurations to take advantage of line. NEAR's IG Series speakers offer a 360 degree radiating pattern, and sound unlike anything on the market.



# The NEAR Product Families

## IG Series Speakers

NEAR in-ground/on-ground IG speakers and subwoofers combine the rugged durability of commercial audio components with the refined sonic performance of audiophile-grade indoor speakers. Advanced technologies and omnidirectional dispersion ensure that everyone on the patio or deck will enjoy life-like sound quality at every volume level, without fatigue.



## LB Series Speakers

NEAR's LB series models deliver high fidelity performance in even the most extreme environments. Superior materials such as rust proof hardware and UV resistant enclosures make them ultra-durable. Advanced NEAR audio technologies such as Magnetic Liquid Suspension drivers and metal alloy MDT cones imbue LB speakers with the smooth, highly detailed and lifelike sonic performance of fine indoor speakers. The LB Series Speakers are available in black or white in each model.



## VM Series Speakers

NEAR's VM series models deliver high fidelity performance in even the most extreme environments. Superior materials such as rust proof hardware and UV resistant enclosures make them ultra-durable. Advanced NEAR audio technologies such as Magnetic Liquid Suspension drivers and metal alloy MDT cones imbue VM speakers with the smooth, highly detailed and lifelike sonic performance of fine indoor speakers.





# The NEAR Product Families



## NEARScapes

NEARSCAPES™ systems are convenient and cost effective ways to get unobtrusive, super high performance sound into your outdoor living spaces. These “satellite/sub-woofer” systems boast high clarity at any volume, deep articulate bass, and ultra-low distortion.

## Award-Winning Solutions



# NEXUS 21

## MOTORIZED MOUNTING SOLUTIONS

### THE HIGHEST QUALITY MOTORIZED SOLUTIONS TO PUT YOUR TECHNOLOGY IN MOTION

Nexus 21 is the leader in reliable, ultra-quiet, motorized solutions that put technology in motion. From television pop-up and ceiling lifts, to projector and storage concealment mechanisms, to motorized wall mounts, we break down the barriers of conventional design and room orientation with covert integrations for any space.

Our products are the quietest, most reliable and easiest to install on the market. Based in the United States, we back every motorized system with the industry's longest and most comprehensive warranty, making our solutions the perfect choice for professionals and homeowners alike.



## COMMON APPLICATIONS

### RESIDENTIAL

Nexus 21 lifts are used to break down the barriers of conventional design and room orientation to preserve the flow of any space.

### COMMERCIAL

From office desks to restaurants, concealing and revealing screens, projectors and other components allows for endless design possibilities in commercial spaces.

### OUTDOOR

Nexus 21 lifts add a new dimension of luxury to outdoor living. Every solution features a powder-coat finish and stainless steel hardware for protection from the elements.

### MARINE

Nexus 21 lifts are perfectly suited for yachts and other watercrafts, where every inch of space counts and luxurious presentation is a must.

### HOSPITALITY

Hotels around the world pleasantly surprise guests with the luxurious amenity of a hidden TV, maximizing function while maintaining a sleek room design.

### EDUCATION

Nexus 21 lifts revolutionize technology in the classroom, revealing screens with a functional design for highly interactive engagement and concealing as teaching methods shift.

# NEXUS<sub>21</sub>

## MOTORIZED TV WALL MOUNTS

### EXTEND & SWIVEL

The Apex Motorized TV Mount revolutionizes positioning technology with a seamless blend of high function and sleek aesthetics. Nearly gapless in-wall mounting, a simple, three-step installation, and instantaneous drive release for ultimate safety make this mount a standout.



## PROJECTOR LIFTS

### ECLIPSE SERIES PROJECTOR DROP-DOWN LIFTS

The Eclipse Series is the ultimate in stealth concealment for residential projectors, featuring the most innovative installation features on the market and a sleek presentation. Accommodates 500+ projector models.



# NEXUS 21

## THE NEXUS21 ADVANTAGE

Our precision-engineered, motorized systems are made to last. Designed and engineered in America, we back every unit with the industry's longest warranty and offer lifetime technical assistance. Every Nexus 21 TV lift is designed with both professionals and homeowners in mind, to provide the most comprehensive, innovative solutions available.

All of this, combined with industry leading customer service and virtually no lead time on orders, make us the #1 choice for professionals across the world.

## TV LIFTS

### POP-UP & POP-UP SWIVEL TV LIFTS

Our pop-up TV lifts can be built into cabinets, beds and other furniture - or even under the floor - to maximize and preserve the balance of a space. Available with or without swivel, our pop-up TV lifts accommodate screens from 17" to 90"+.

### SPECIALITY POP-UP TV LIFTS

To handle less common applications, we offer enclosure, dual-screen, heavyweight and extended-travel TV lifts. You can add an aesthetic cover to conceal the back of the TV, lift multiple screens at once, accommodate specialty televisions or lift a screen from beneath the floor.



# NEXUS 21

## TV CEILING MOUNTS

### DROP-DOWN & FLIP-DOWN TV LIFTS

Technology can emerge from anywhere in the home - including the ceiling. Whether you need to preserve an incredible view, or simply prefer the minimalist aesthetic, the possibilities are endless with drop-down and flip-down TV lifts.

#### DROP-DOWN TV LIFTS

Our drop-down TV lifts accommodate screens from 17" to 75", allowing them to descend from the ceiling with the touch of a button, and hide away when not in use.



#### FLIP-DOWN TV LIFTS

Our flip-down TV lift features ultra-slim installation depth requirements and folds a screen flat into the ceiling for 100% concealment at the touch of a button.



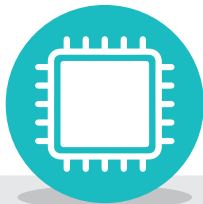
# PULSEEIGHT

 **MADE IN  
BRITAIN**

## THE MASTERS OF AUDIO AND VISUAL DISTRIBUTION

Founded in 2010, our vision is quite simple: To enhance our customer's AV experience by creating products that "just work", using the latest, innovative technology.

### PASSION FOR TECH



Utilising a carefully selected team of passionate engineering and manufacturing staff means that all products have been designed and built to the very best standard.

### UP TO 5 YEARS WARRANTY



We understand that not everything always works out as planned. Therefore, you'll always receive a warranty with your product so you can rest assured that should anything go wrong, we'll get you back on the right track.

### ALL IN-HOUSE



We are proud to host our own R&D department situated above our factory floor. Our passionate engineers are experts in their field, all with different and valuable backgrounds.

# neo:X<sup>3</sup>

The evolution of the technology you already know and use. We are proud to introduce HDBaseT3.

Alongside all of the benefits offered by the previous generation of neo matrices, the neo:X3 allows for completely uncompressed 4K@60Hz :4:4. With native support for Dolby Vision, you can guarantee the best transmission without any compression of the original source.

Available as Kit or Chassis Only.

## Key Features

- 8x HDMI Inputs
- 8x HDBaseT3 Outputs
- 2x Switchable HDMI Outputs
- 10x Audio Output Zones with Dolby Downmix
- 4x Audio Input Zones
- 8x neo:Ultra PoH Receivers Included in Kit
- Built In Britain



BIT PERFECT UNCOMPRESSED



NEW DISTANCES FOR FULL 4K



NATIVE SUPPORT FOR DOLBY VISION



CLOUD MONITORING



5 YEAR WARRANTY

## neo



The new neo:8a features the added benefit of a dedicated audio breakout from each HDMI source at no additional cost. The perfect solution for extending into audio distribution and amplifier products.

Also available as Chassis Only.

Extend 1080p 70m

Extend 4K 40m

Monitor

10 Video Outputs

8 Audio Outputs

## neo



Our flagship 4x4 HDBaseT matrix with 2 mirrored HDMI ports, includes 4 HDBaseT 70m Class B PoH receivers. Designed to deliver an experience that's both effortless and exciting.

Also available as Chassis Only.

Extend 1080p 70m

Extend 4K 40m

Monitor

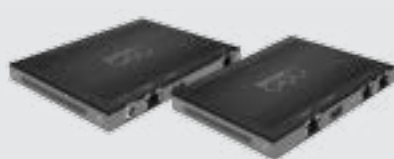
6 Video Outputs

## HDMI EXTENDER SETS



### neo:Ultra

Extend 4K@60Hz or 1080p up to 100 meters with POE, bi-directional IR, Ethernet Passthrough and HDMI Audio Return.



### neo:Pro

Extend 4K up to 70m, 1080p up to 100 meters with POE, bi-directional IR, Ethernet Passthrough and HDMI Audio Return.

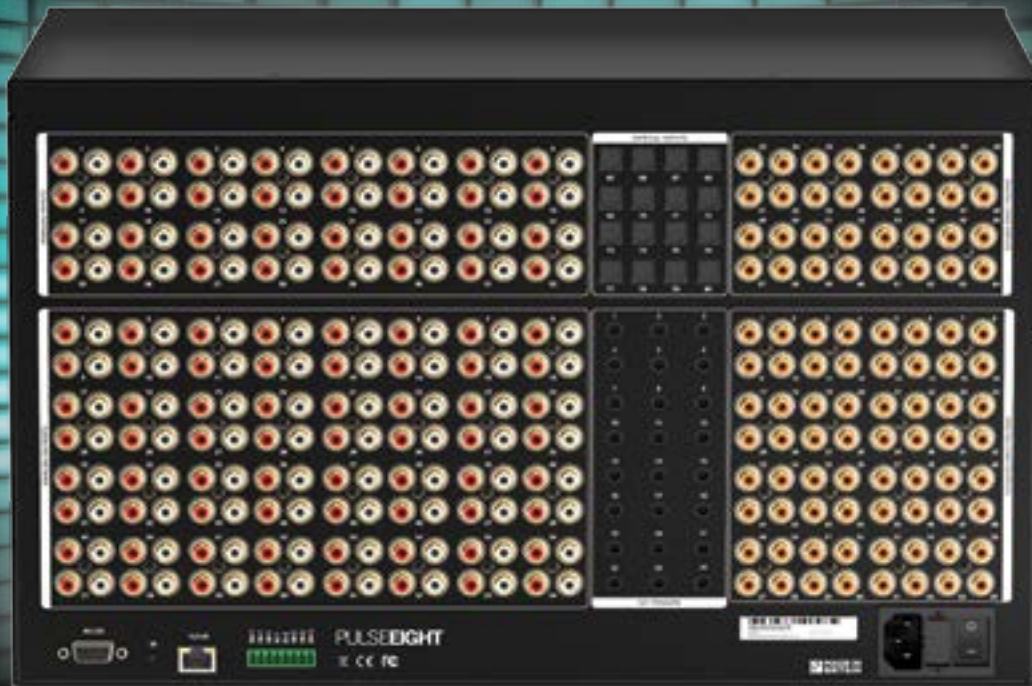


### neo:Lite

Extend 4K up to 40 meters, 1080p up to 70 meters with POE and bi-directional IR.

# ProAudio

## BY PULSEEIGHT



Pulse-Eight's ProAudio™ range of DSP pre-amp audio matrices offer innovative features and unmatched capabilities within the range. Designed exclusively by our own engineering team, the ProAudio systems are a versatile and cost-effective multi-zone audio system.

### KEY FEATURES

- Full DSP Management
- Volume, Balance, Bass, Treble and 5 Band Equalizer-control of analogue and digital audio
- Volume range: +24dB to -99.5dB, and full mute (-115dB), with 0.5dB step resolution
- Master volume to control all zones simultaneously (+24dB to -99.5dB), and full mute
- Tone / EQ ranges: +20dB to -20dB, with 0.5dB step resolution
- Gain settings (+/-24dB) for all analogue and digital inputs
- Zone gain settings (+/-24dB) for each zone
- Lip sync delay from 0 to 170ms, per zone and/or per input
- Audio format conversion: Digital inputs are automatically converted to analogue audio
- Both analogue and digital audio is available simultaneously on the outputs
- Controlled through TCP/IP and/or Bi-directional RS-232. The TCP/IP and RS-232 share a simple ASCII protocol. Drivers available for all major control systems. The easy to use protocol makes writing new drivers a breeze

### MODELS

#### ProAudio I 6

16 Analogue and 32 Digital Inputs  
16 Analogue and 16 Digital Outputs

#### ProAudio I 632

16 Analogue and 24 Digital Inputs  
32 Analogue and 32 Digital Outputs

#### ProAudio32

32 Analogue and 48 Digital Inputs  
32 Analogue and 32 Digital Outputs

#### ProAudio3248

32 Analogue and 48 Digital Inputs  
48 Analogue and 48 Digital Outputs

#### ProAudio3264

32 Analogue and 48 Digital Inputs  
64 Analogue and 64 Digital Outputs



## DIGITAL AUDIO OVER CAT5e/6 EXTENDER



### Key Features

- Supports coaxial or S/PDIF digital audio signals
- Supports Stereo and Multichannel digital audio
- Supports 2ch PCM audio inputs
- 5.1 Compressed audio supported
- Extension length up to 200m
- Extends via a single CAT5e or CAT6 cable

## DOLBY DIGITAL DOWNMIXER DAC



### Key Features

- Both inputs and outputs for coaxial and optical connections
- Ensures a reliable transition from modern digital source devices
- Decodes connected digital S/PDIF coaxial or TOSLINK optical digital audio sources to standard analogue stereo L/R audio

## HDMI DOWNMIXER DAC



### Key Features

- In line downmix of incoming Dolby Digital to stereo PCM audio over HDMI
- 3.5mm audio breakout
- Downscale 4K > 1080p, to enable 1080p screens to view 4K sources through a video matrix
- Upscale 1080/24p > 4K/30p, for 4K screens

## AUDIO DELAY DEVICE



### Key Features

- The perfect solution to lip sync problems
- 20~ millisecond increments from its 16-way selector
- Delay the audio from 20-340ms
- Simple L/R phono input and output connection
- Compact design

# ..... TECH TOOLS ..... BY PULSEEIGHT



## TECH TOOLS 1-2 HDMI SPLITTER

1x HDMI in and 2x HDMI out with EDID management, audio de-embedding and downscaling option



## OPTICAL HDMI CABLES

EU CPR Certified, LSZH (Low Smoke Zero Halogen)  
4K and 8K options available up to 50m

a sound relationship  
**Russound**



## A legacy of Quality, Trust and Innovation

In 1967 in a quiet town in rustic New England, Russound was founded based on a desire to make the finest audio accessories on the market. Russound's early products included hi-fi solutions such as speaker selectors, tape monitor switches and volume controls. The name Russound became synonymous for high-quality volume controls and the company soon developed a reputation for their reliable products. Over the years, Russound developed a wider range of products for the custom installation market and increasingly became known for quality, reliability and service. That vision continues on today, as exciting new technologies are being implemented to create modern solutions for their customers' needs. With its products now sold in over 80+ countries, the Russound name has become synonymous with audio quality not only in the USA, but also around the world.

Based in Newmarket, New Hampshire, Russound continues to design and manufacture innovative products that sound great, are easy to install and simple to use, and that offer great value. Russound delivers a complete range of multiroom audio systems, source equipment, volume controls, amplifiers, loudspeakers and intercom systems. They believe their products are the finest of their kind on the market and remain dedicated as ever to providing their customers with the right products for the job.

Russound will always be:

Honest

Responsive

Positive

Consistent

Accountable

Loyal

## Professional Multi-Channel Amplifiers



### D1650 Sixteen-Channel Digital Amplifier

- High efficiency, cool running digital amplification
- 50W/ch @8ohm, 80W/ch @4ohm
- Bridgeable: 160W mono @8ohm
- Global bus input, independent inputs per zone
- Trim level adjustment per channel
- Global trigger input/output
- Independent trigger input/output per zone
- Audio sensing per zone
- Auto-switching delay settings per zone
- Rackmountable

Dimensions:  
19.125" W (with rack ears)  
x 16.81" D x 3.875" H  
(45.6 x 42.7 x 9.9 cm)

Shipping Weight:  
28.8 lbs (13.1 kg)

2800-536229 D1650  
2800-536380 D1650i



### D850 Eight-Channel Digital Amplifier

- High efficiency, cool running digital amplification
- 50W/ch @8ohm, 80W/ch @4ohm
- Bridgeable: 160W mono @8ohm
- Global bus input, independent inputs per zone
- Trim level adjustment per channel
- Global trigger input/output
- Independent trigger input/output per zone
- Audio sensing per zone
- Auto-switching delay settings per zone
- Rackmountable

Dimensions:  
19.125" W (with rack ears)  
x 16.81" D x 3.875" H  
(45.6 x 42.7 x 9.9 cm)

Shipping Weight:  
24.6 lbs (11.2 kg)

2800-536236 D850  
2800-536397 D850i



## Professional Two-Channel Amplifiers



### D250LS 2-Channel Digital Amplifier

Auto-sensing enables localized speaker override for a connected peripheral, such as a TV or PC. Rated 50W/channel RMS at 8 ohms or 75W/channel RMS at 4 ohms. The bridgeable power setting combines channel power for 125W into a single 8-ohm load, 1U 1/2 rack chassis has three mounting options (included).

Dimensions:  
8.5" W x 10.5" D x 1.75" H  
(21.6 x 26.7 x 4.5 cm)

Shipping Weight:  
10 lbs (4.5 kg)

2800-533280 D250LS  
2800-533297 D250LS-EU/UK



### A2100 Digital Amplifier

The powerful 100W/channel class D amplifier in the A2100 is combined with features such as 12v trigger control, audio sensing, volume gain adjustment, and a buffered line output that enables even more amplification of the same audio signal when needed. 1U 1/2 rack chassis has three mounting options (included).

Dimensions:  
8.5" W x 10.5" D x 1.75" H  
(21.6 x 26.7 x 4.5 cm)

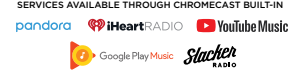
Shipping Weight:  
4.10 lbs (1.9 kg)

2800-536847 A2100  
2800-536960 A2100i

# MBX Streaming Audio Solutions

## Available where you want it, how you want it

- Works with the XTS7 and Russound App
- Easy 1-button access to your favorite music
- Works with Amazon Alexa or Google Assistant voice control
- Includes native support for both Apple AirPlay and Google Chromecast Built-in for Audio
- Mix and match MBX products for up to 32 streaming zones
- Designed to be the perfect complement to the MCA-Series of controllers in order to add hi-res streaming audio as a source or to expand a system to new rooms or possibilities, even wirelessly.
- IP Controllable - Works with 3rd party control systems
- Connects easily to a home network via Wi-Fi or a wired Ethernet connection
- Built-in Bluetooth® audio support
- Connect to any amplifier



## MBX-PRE Wi-Fi Streaming Media Player



**Designed to be the streaming audio source for an MCA-66/88 or use it in zone mode with any amplifier.**

- Frequency Response: 20Hz to 20KHz
- Audio Outputs: Analog – Stereo Audio RCA, Digital Optical
- Line Audio Output: 2V rms
- Audio Inputs: 3.5mm Analog Stereo Audio, Digital Optical, USB2.0 Media Playback
- Communication Ports: Ethernet RJ45 10/100 BaseT
- Wi-Fi: 802.11ac, dual band
- Bluetooth Audio Support: Yes
- Trigger Output: 12VDC @100mA
- Music File Formats: MP3 (CBR, VBR), WAV (8, 16-bit), OGG Vorbis, FLAC (8, 16-bit). AAC, AAC+ (supports up to 24-bit/192kHz)
- Power Requirements: 12VDC, 1.25A

### Drivers Available For



Dimensions:  
8.25"W x 7"D x 1.75"H (21 cm W x 17.8cm D x 4.5cm H)

Product Weight:  
1 lb (0.45 kg)  
4500-537226 MBX-PR

## MBX-AMP Wi-Fi Streaming Amplifier



**Designed to automatically share speakers between a TV and the home audio system**

- Frequency Response: 20Hz to 20KHz
- SLM-1 IR Sensor Included - Learns TV volume commands.
- Speaker Output: 50 Watts Per Channel @ 8ohms, 70 watts @ 4 ohms
- Audio Output Analog: Stereo Audio RCA, Digital Optical, Subwoofer Out
- Line Audio Output: 2V rms
- Audio Inputs: 3.5mm Analog Stereo Audio, Digital Optical, USB2.0 Media Playback
- Communication Ports: Ethernet RJ45 10/100 BaseT
- Wi-Fi: 802.11ac, dual band
- Bluetooth Audio Support: Yes
- Subwoofer Out Low Frequency Filter: 80Hz
- Trigger Output: 12VDC @100mA
- Music File Formats: MP3 (CBR, VBR), WAV (8, 16-bit), OGG Vorbis, FLAC (8, 16-bit), AAC, AAC+ (supports up to 24-bit/192kHz)
- Power Requirements: 12VDC, 1.25A

### Drivers Available For



Dimensions:  
8.25"W x 7"D x 1.75"H (21 cm W x 17.8cm D x 4.5cm H)

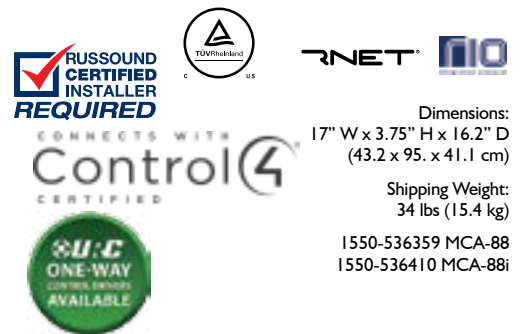
Product Weight:  
1.5 lb (0.68 kg)  
4500-537127 MBX-AMP  
4500-537110 MBX-AMPi

# MCA Advanced Multi-zone Controllers

## MCA-Series Controller Amplifiers

### MCA-88 8 Source, 8 Zone Controller Amplifier

The MCA-88 is an 8 source/8 zone controller amplifier. 8 zones of audio with adjustable bass/treble/loudness/balance with digital amplification providing 40W/channel to zones one through six, 8 source inputs with loop outputs and fixed or variable line outputs per zone, routed IR, built-in IR learning and a pre-programmed IR library, paging and system muting. Bluetooth ready.



### MCA-66 6 Source, 6 Zone Controller Amplifier

The MCA-66 is a 6 source/6 zone controller amplifier. 6 zones of audio with adjustable bass/treble/loudness/balance with analog amplifiers providing 20W/channel to all 6 zones, 6 source inputs and fixed or variable line outputs for zones 1 and 2, routed IR, built-in IR learning and a preprogrammed IR library, paging (optional source 6) and doorbell muting. Bluetooth ready.



# Advanced Multi-zone System Control

## XTS7 Wall-Mounted Color Touchscreen



NEW

The XTS7 is the latest generation of XTS touchscreens from Russound and offers more features than ever before. From its gorgeous 7" screen that installs into a US 1-gang or 2-gang electrical box/p-ring or even a slim 65mm Euro box to its native Android operating system that enables you to easily add apps from the Google Play Store, the XTS7 can be your primary user interface for any smarthome device, including your Russound audio system.

- 7" (17.8cm) Touchscreen
- Elegant In-Wall Design
- Android Operating System
- Install your favorite apps from the Google Play Store
- Russound App pre-installed to work with the MBX-AMP, MBX-PRE, MCA-66 and MCA-88
- Installs in a 1-Gang or 2-Gang Box or with a low-profile P-ring
- PoE Powered (802.3af)
- Wired/Wi-Fi



Dimensions:  
8.75" W x 6" L x 2.6" H (22.2 x  
15.3 x 6.5 cm)

Shipping Weight: 2 lbs (0.9 kg)

2620-853791 XTS7



NEW

## IPK-1 Single-Gang IP Keypad

Wall-mounted keypad for the MCA-Series & MBX-Series. Simple configuration, no programming needed. Designed to provide easy access and convenient control to a room or zone for basic audio control and favorites. The IPK-1 uses a wired Ethernet connection to connect to the same network as your Russound audio system. PoE powered. Includes Black and White Decora Inserts.



Dimensions:  
1.75" W x 1.31" D x 4.19" H  
(4.4 x 3.3 x 10.6 cm)

Shipping Weight: 1 lb (454 g)

1550-853630 IPK-1



## USRC Universal System Remote Control

The USRC Remote Control is the complete solution for all of your remote control requirements. It is designed to operate source devices as well as all Russound and A-BUS audio system keypads.



Dimensions:  
2"W x 7.75"H x 1.125"D  
(5 x 19.7 x 2.9 cm)

Shipping Weight 1 lb (.45 kg)

1700-535000 USRC

# 70v/100v Commercial Audio Systems

## MIXAMP-60 60 Watt Mixer Amplifier



**NEW**

- Perfect for all light commercial applications
- The MIXAMP-60 is an all-in-one solution with built-in audio sources and support for multiple inputs, pre-amplifier and mixer power amplifier all in one unit, making it an excellent one-box solution for most typical audio installations

- Rack-mountable mixer amplifier with media player
- Built-in media player with USB/SD, FM & Bluetooth®
- Rated power output at 60W
- Speaker output of 100V, 70V, 4Ω, 8Ω, and 16Ω
- Designed for New and Retrofit Commercial Installations
- 3 x mic/line inputs, 2 x RCA line inputs, 1 x TEL input and 1 x RCA line output
- XLR input with switchable +48V phantom power
- Short-circuit, clip, overload and high temp protection
- Built-in Bluetooth audio support

Dimensions:  
17" x 14" x 5"

43.2cm x 35.5 x 12.7cm

Shipping Weight:  
18 lbs (8.2 kg)

4700-853470 MIXAMP-60



## AW70V6 70v Surface Mount Indoor/ Outdoor Speakers



Easy to install, easy to adjust, perfect for every job, indoors or out

- 1" Titanium dome tweeter
- Easily accessible rear-mounted tap setting switch
- 6.5" injection-molded polypropylene woofer with rubber surround
- Tap Settings:  
70V: 7.5W/15W/30W/60W | 100V: 15W/30W/60W | 6Ω
- Ported design for increased bass
- High quality brass connectors for long-lasting, reliable installations
- Rustproof aluminum grille
- Dual 1/4" brass posts for 3rd party mounts or security/seismic bolts
- Easy, one-handed mounting
- Available in black or white
- Sold in pairs

Dimensions:  
22.5" W x 11.25"D x 13.5"H  
(57.2 x 28.6 x 34.3 cm)

Shipping Weight:  
19 lbs (8.62 kg)

4700-537004 AW70V6 White  
4700-537011 AW70V6 Black



## ALT-70V-50 50-Watt 70V Volume Control



Ultra-reliable and designed for years of use

- 11 position rotary switch
- 50 Watts RMS
- Screw-down removable connectors accept up to 12ga wire
- Includes white, ivory, and light almond plates and knobs
- Fits standard single-gang boxes



Dimensions:  
4.6" W x 2.8"D x 3.8"H  
(11.7 x 7.1 x 9.7 cm)

Shipping Weight:  
0.7 lbs (0.3 kg)

4700-537028 ALT-70V-50

*Beautiful Lifestyle Innovations*



**Avengers: Infinity War**  
The Avengers and their allies make a  
stand against a mad Titan who will  
stop at nothing to gather the six  
Infinity Stones.



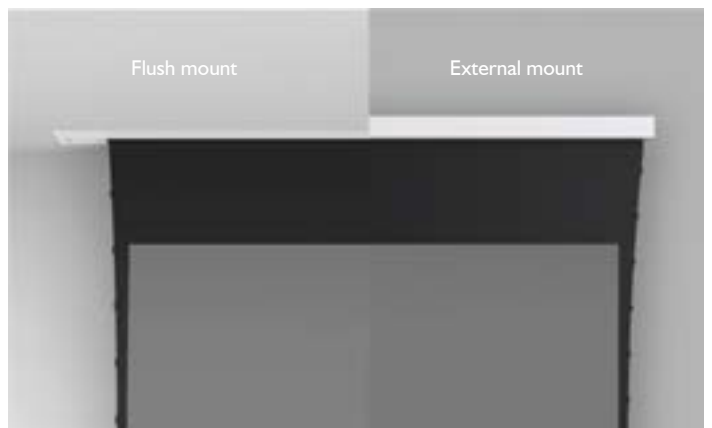
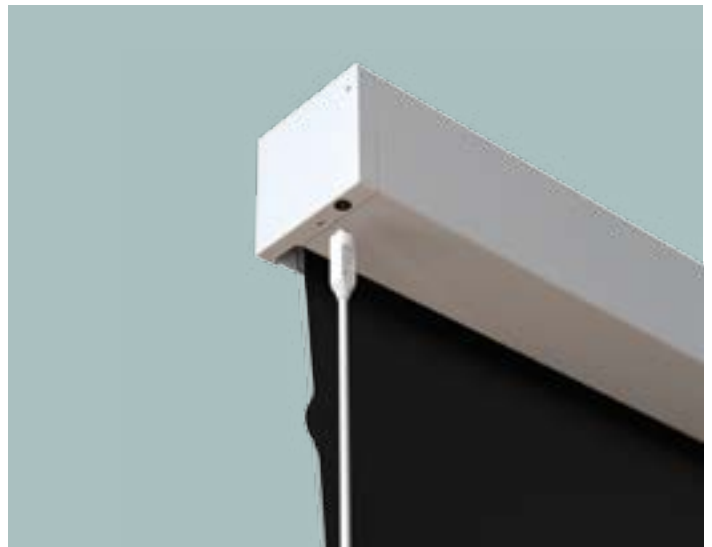


# Solo 3<sup>®</sup> Indoor

**MOTORIZED**

## Features

- Clean industrial design blends into today's modern décor, available in white and black
- Available in 9 screen material options: Slate 1.2, Slate 1.2 AT, Pure White 1.3, Pure White 1.3 AT, Pure Gray .85, Short Throw (for 375 only), Solar Gray, Solar White and 360 Rear-Pro
- CNC-cut tab tensioning ensures a flat, smooth-as-glass image
- External or Flush mountable
- New Moab Control Board-including 12v Trigger, IR, Dry Contact, IR Remote, & 485 with every Low-voltage or AC-485 motor
- Power in 3 available motor types, including patented magnetic rechargeable, 24v low-voltage, and AC power
- Max. sizes upto 200" (5080mm)
- Aspect Ratios: 16:9 | 16:10





# Zero Edge® / Pro

FIXED

## Features

- Small frame size, “Zero Edge” style bezel
- Built in LED channel for optional backlighting
- Max. sizes upto 220” (5588mm) in 16:9  
275” (6985mm) in 2.35:1
- Aspect Ratios: 16:9 | 16:10 | 2.35:1 | 2.40:1
- Different accessories like Backlight IP, IR Backlight and Flown Kit
- Velvet wrapped frame

## Materials



Black Diamond  
1.4 / .8



Short Throw .6



Unity 1.0



Slate 1.2 / .8



Slate AT 1.2



Unity AT 1.0



Pure  
White 1.3 / Gray .85



Pure AT  
White 1.3 / Gray .85



Maestro



| 0.625”

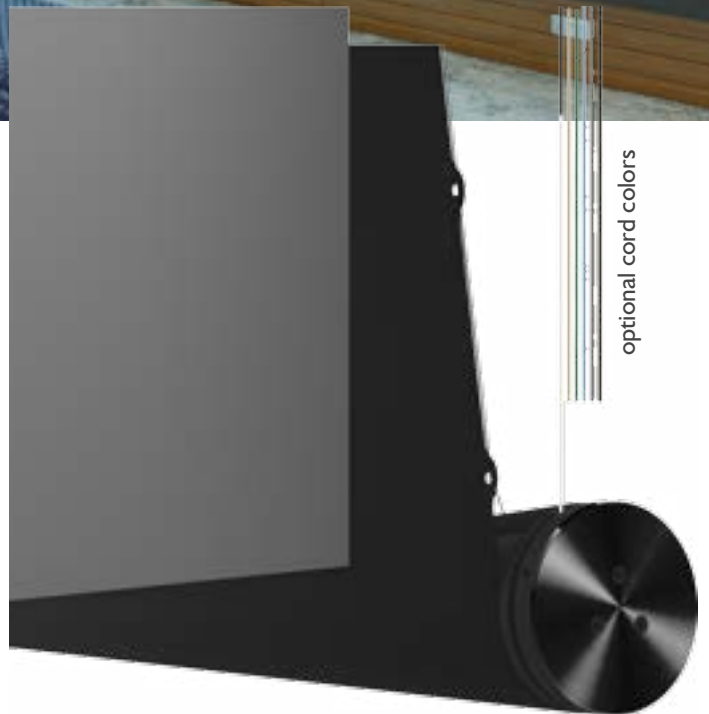




**Zero-G<sup>®</sup>**  
**MOTORIZED**

## Features

- Material roll pre-installed from the factory
- Removable upper motor lift tube with single pin release
- PCB is slide removable from the case
- Flush doors are pre-programmed from the factory
- Automatic upper limit by optical sensor
- Max. sizes upto 160" (4064mm)
- Flush mount or External case (Black or white color options) configuration
- Top side recessed electrical control cable access
- Maximum Drop: 15.8' (4816 mm)



## Materials



Slate 1.2



Slate AT 1.2



Unity 1.0



Pure White 1.3



Pure Gray .85



Pure White AT 1.3



360 Rear-Pro



## Architectural Audio Solutions

TDG Audio is part of The DaVinci Group, Inc., a Southern California company founded by a group of custom integration industry leaders, with a long history of creating many of the most iconic architectural audio products for some of the best-known brands in the industry. This, almost unrivalled level of experience, enables TDG Audio to deliver world-class engineering and innovation and provides its customers cutting-edge products that offer 'best in class' performance, without the high prices charged by many competitors.

TDG's product range offers a compact portfolio of high quality installed speakers for In-Wall and In-Ceiling Home Theatre and stereo applications plus offers industry-leading performance. The products are designed and specified to offer a better price versus performance ratio than any competitive brands – giving higher performance at more reasonable prices.

The company has 'good, better and best' solutions throughout their install line of traditional in-wall/in-ceiling solutions, but also makes a unique upscale Home Theatre 'Signature Series' for customers who want to experience the absolute best our industry has to offer. TDG's recently introduced revolutionary, and award winning, SKYBAR™ is the first in-ceiling & in-wall Soundbar capable of being paired with just two Skybar™ Satellites for an immersive 7-channel sound system - from only 3 speaker boxes. TDG also offers a selection of good quality outdoor speakers too.

TDG products are available through a very restricted network of custom install professionals, are not sold via the internet and when installed by a professional, come with a lifetime warranty.

# Skybar™ LCR and Skybar™ Satellites for an immersive 7-channel sound system



Heavy Duty Full-Range Drivers,  
Pivoting Tweeter plus  
Wave Guide Technology

## Complete 7.1 Skybar™ System

The revolutionary and innovative TDG Audio Skybar™ system is the World's First In Ceiling/In Wall Soundbar. You can use three discrete boxes – One Skybar™ LCR and two Skybar™ Satellites to implement a full seven-channel immersive sound home theatre. Flexible connections allow configuration of the Skybar™ LCR as either a complete left/right/center multi-channel setup – or the entire unit as one channel - perfect for larger listening areas.

### KEY FEATURES

- Fully Enclosed High Performance In-Ceiling / In-Wall Soundbar
- In-Ceiling or In-Wall Installations
- User Configurable to use as Left, Center & Right Channels OR as a Single Channel (all speakers play the same signal)
- 2-Channel Reflection Surround
- One-Piece Steel Frame Construction
- Integrated Back-Box Constructed of Ultra High-Grade MDF for Performance Control
- Fully magnetic paintable metal grill (factory finish: white)





## Signature Series IWLCR-66V2

Dual 6.5" In-Wall LCR Speaker

### KEY FEATURES

- In-Wall Mounted High-Performance Dedicated Home Theater LCR Speaker
- One-Piece Steel Frame Construction
- Integrated Back-Box Constructed of Ultra High-Grade MDF for Performance Control
- Fully Magnetic Paintable Metal Grill (factory finish: white)

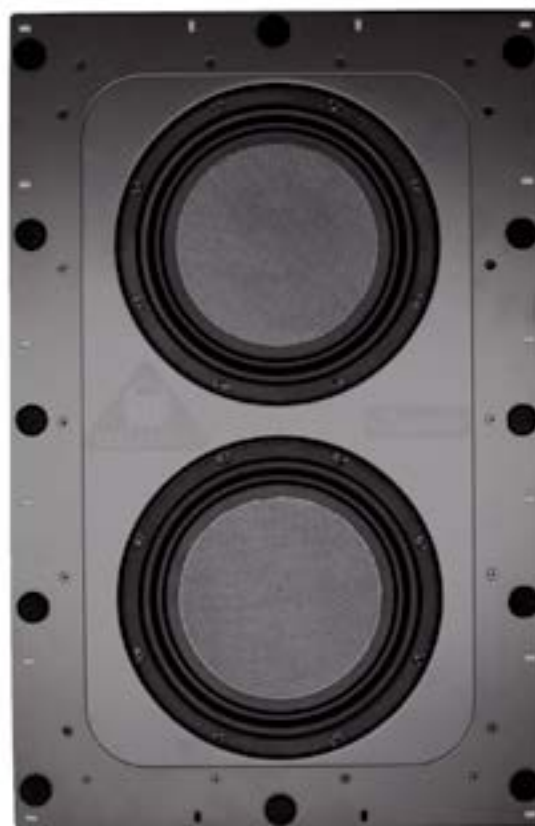


## Signature Series IWS-210

Dual 10" In-Wall Subwoofer

### KEY FEATURES

- In-Wall Mounted High-Performance Dedicated Home Theater Subwoofer
- One-Piece Steel Frame Construction
- Integrated Back-Box Constructed of Ultra High-Grade MDF for Performance Control
- Fully Magnetic Paintable Metal Grill (factory finish: white)



If you don't have the space for the twin 10" model, or simply don't need the power of a 2 x 10" sub, take a look at the new Signature Series IWS-10 single 10" model.

TDG's Signature Series is the ultimate in-wall loudspeaker system designed specifically for a dedicated home theater installation. With heavy duty drivers and industry-beating build quality, Signature Series is ready to deliver a thrilling and dynamic performance for any Hollywood blockbuster movie soundtrack or musical performance.

# In-Ceiling Speakers

## NFS-6I-5CM

NFS-6I-5CM Shallow Depth  
6.5" (165.1mm) In-Ceiling Speaker

### KEY FEATURES

- Smooth Modern Flangeless Design
- 0.5" (12.7mm) Soft Dome Tweeter
- 6.5" (165.1mm) Polypropylene Trueform™ Woofer
- Shallow 1.93" (49mm) Mounting Depth

- PRX™ Poly Resin CrossPoint Molds
- XTS™ Moisture Seal Treated Crossover
- One Piece Frame to Maximize Rigidity
- Never Rust™ Grills firmly attached with Neodymium Magnets
- PRX™ Poly Resin Dog Legs
- Extra Wide Threaded Screws for Quick Dog Leg Fastening
- Large Push Terminals
- Removable Scrim Clothe



## NFC-63

6.5" (165.1mm) In-Ceiling Speaker

### KEY FEATURES

- 1" (25.4mm) Diamond Cut Titanium Pivoting Tweeter
- 6.5" (165.1mm) Kevlar Trueform™ Woofer
- +/- 3db Tweeter & Bass Settings
- Smooth Visual Flangeless System
- XTS™ Moisture Seal Treated Crossover

- PRX™ Poly Resin CrossPoint Molds for increased rigidity
- Dog Leg Fastening
- PRX™ Poly Resin Dog Legs
- 2 Part Dog Legs For Extra Thick Ceilings
- Never Rust™ Grills firmly attached with Neodymium Magnets
- Extra Wide Threaded Screws
- Large Push Gold Plated Binding Posts
- Removable Scrim Clothe

## NFC-82M

IP66 8" (203.2mm) In-Ceiling  
MARINE Speaker

### KEY FEATURES

- IP-66 Rating for Protection against heavy sea and powerful jets of water
- Conforms to Military Standard 810 G for humidity, salt spray, temperature and UV
- Smooth Visual Flangeless System
- PRX™ Poly Resin CrossPoint Molds

- 1" (25.4mm) Aluminum HDAlloy™ Pivoting Tweeter
- 8" (203.2mm) Aluminum Trueform™ Woofer
- PRX™ Poly Resin Dog legs
- Extra Wide Threaded Screws for Quick Dog Leg Fastening
- Never Rust™ Grills firmly attached with Neodymium Magnets
- 2 Part Dog Legs For Extra Thick Ceilings
- Large Push Gold Plated Binding Posts
- Removable Scrim Clothe



## NFC-6ISTT

6.5" (165.1mm) In-Ceiling Speaker

### KEY FEATURES

- 1" (25.4mm) STT Soft Dome Pivoting Tweeter
- DVC 6.5" (165.1mm) Polypropylene Trueform™ Woofer
- Stereo Tweeter Technology
- Design Eliminates Phase Cancellation

- Smooth Visual Flangeless System
- PRX™ Poly Resin CrossPoint Molds
- Never Rust™ Grills firmly attached with Neodymium Magnets
- PRX™ Poly Resin Dog Legs
- Extra Wide Threaded Screws for Quick Dog Leg Fastening
- 2 Part Dog Legs For Extra Thick Ceilings
- Large Push Gold Plated Binding Posts
- Removable Scrim Clothe

## NFC-83A

8" (203.2mm) Angled In-Ceiling Speaker

### KEY FEATURES

- Smooth Modern Flangeless Design
- 1" (25.4mm) Titanium Pivoting Tweeter
- 8" (203.2mm) Kevlar Trueform™ Angled Woofer
- Never Rust™ Grills firmly attached with Neodymium Magnets

- XTS™ Moisture Seal Treated Crossover
- PRX™ Poly Resin CrossPoint Molds for increased rigidity
- PRX™ Poly Resin Dog Legs
- Extra Wide Threaded Screws for Quick Dog Leg Fastening
- 2 Part Dog Legs For Extra Thick Ceilings
- Large Push Terminals
- Removable Scrim Clothe





# In-Wall and Outdoor Speakers

## NFW-63

6.5" (165.1mm) In-Wall Speaker

### KEY FEATURES

- 1" (25.4mm) Diamond Cut Titanium Pivoting Tweeter
- 6.5" (165.1mm) Kevlar Trueform™ Woofer
- Smooth Visual Flangeless System
- PRX™ Poly Resin CrossPoint Molds

- PRX™ Poly Resin Dog Legs
- Never Rust™ Grills firmly attached with Neodymium Magnets
- Extra Wide Threaded Screws for Quick Dog Leg Fastening
- Large Push Gold Plated Binding Posts
- Removable Scrim Cloth



## NFW-61

6.5" (165.1mm) In-Wall Speaker

### KEY FEATURES

- 1" (25.4mm) Soft Dome Pivoting Tweeter
- 6.5" (165.1mm) Polypropylene Trueform™ Woofer
- 2-Way Reference Design In-Wall
- PRX™ Poly Resin CrossPoint Molds

- PRX™ Poly Resin Dog Legs
- Extra Wide Threaded Screws for Quick Dog Leg Fastening
- Never Rust™ Grills firmly attached with Neodymium Magnets
- Large Push Gold Plated Binding Posts
- Removable Scrim Cloth

## NFLCR-53

Dual 5" (127mm) In-Wall LCR Speaker

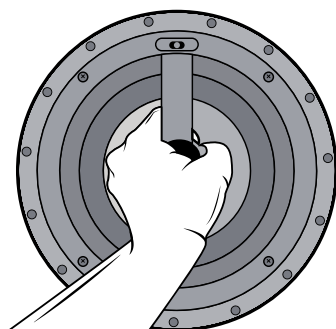
### KEY FEATURES

- 1" (25.4mm) Diamond Cut Titanium Pivoting Tweeter
- Dual 5" (127mm) Kevlar Trueform™ Woofers
- LCR In-Wall Speaker
- Smooth Visual Flangeless System
- PRX™ Poly Resin CrossPoint Molds

- PRX™ Poly Resin Dog Legs
- Never Rust™ Grills firmly attached with Neodymium Magnets
- Extra Wide Threaded Screws for Quick Dog Leg Fastening
- Large Push Gold Plated Binding Posts
- Removable Scrim Cloth



2 Part Dog Leg



EZ Hold Tweeter Bridge



## OS-82TW

8" (203.2mm) Outdoor  
8 Ohm 70V/100V  
Commercial Speaker

### KEY FEATURES

- 1" (25.4mm) Aluminum Dome Tweeter
- 8" (203.2mm) Aluminum Woofer High Excursion Driver
- 5/150 WPC Power Handling
- 89db SPL
- Impedance 8Ω/70V
- Frequency Response 50Hz – 20kHz
- Rotating and tilting mechanism
- Available in Black or White
- 70/100W transformer for commercial use



## OS-62TB

6.5" (165.1mm) Outdoor  
8 Ohm 70V/100V  
Commercial Speaker

### KEY FEATURES

- 1" (25.4mm) Aluminum Dome Tweeter
- 6.5" (165.1mm) Aluminum Cone Woofer
- 5/125 WPC Power Handling
- 88db SPL
- Impedance 8Ω/70V
- Frequency Response 55Hz – 20kHz
- Rotating and tilting mechanism
- Available in Black or White
- 70/100W transformer for commercial applications

Visit our web site to see our full range of speakers and audio equipment.

3-phase rail audio solution.

# pontis

3-phase rail audio adapter



track rail  
solutions



AV BENELUX | TRACKRAIL

[www.trackrailsolutions.com](http://www.trackrailsolutions.com)

# The ultimate way to attach your Sonos One or Sonos One SL to the 3-phase rail

Want to stream your favourite music in your store or business? This is now easier than ever. With the Pontis from Track Rail Solutions, you choose maximum flexibility, ease of use and the highest quality. Moreover, it has an elegant appearance that will impress your customers.

The 3-phase rail in your commercial building probably already provides fantastic lighting and tremendous versatility. With the Pontis, you can add another dimension to this. Simply mount your Sonos One or One SL and enjoy the music you stream. The Pontis also works with all 3-phase rails, including those from well-known brands such as Global, Powergear, Eutrack and Ivela.



pontis

## Suitable for the Sonos One and Sonos One SL speaker

The Sonos One and Sonos One SL are among the most popular streaming speakers on the market right now. That is why we developed Pontis to work seamlessly and wirelessly with these speakers.

The Pontis can be used everywhere where a 3-phase rail is or will be installed. It's perfect for rooms where you want to enjoy the music you stream, but would rather not have speakers on the wall or floor. The Pontis is popular in, for instance; catering establishments, stores, gyms and of course, the Pontis can also be used at home. The Sonos One and Sonos One SL are among the most popular streaming speakers on the market right now. That is why we developed Pontis to work seamlessly and wirelessly with these speakers.

pontis  
TRACKRAIL SOLUTIONS



# Streaming in your business has never been easier

With the rise of streaming services like Spotify and Apple Music, you have your favourite music with you practically anytime, anywhere. Thanks to smart speakers like the Sonos One and One SL, you can easily share that music with others. And the fact that Pontis allows you to attach such speakers to your 3-phase rail makes it all the more perfect.

**MOUNT IT  
CLICK IT  
PLAY IT.**




pontis



AUDIO, VIDEO AND HOME  
AUTOMATION SOLUTIONS

LET US HELP YOU

 T: +31 495 843284  
 [www.avbenelux.com](http://www.avbenelux.com)