



Product Catalogue

Simple. Reliable. Profitable.



AMG

HəTcH

Catalogue Design & Production
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www.hatchcreations.co.uk

An Introduction to AMC Baltic

Wherever you go, whatever public facility you visit,
a good, reliable sound system is essential.

OUR CREDO

With over 10 years of experience, AMC Baltic® provides the best possible solutions and redefines the benchmark for affordable commercial sound equipment. Specializing in Public Address and other commercial audio applications, the AMC product range covers the needs of even the most demanding of users and applications.

Simplicity

All of our products are easy to install and use. Because of the flexibility of our housings, loudspeakers can be quickly and easily installed into ceilings or walls. Many of our devices (such as loudspeakers, amplifiers and preamplifiers) use Phoenix connectors which makes it easy to connect our equipment, without any special tools and this saves on installation time. Our products blend into a wide variety of contemporary interiors and become an integral part of the architecture. For simplicity, the main controls of the electronic equipment are located in the front panel and are marked by clearly understandable symbols, while the control elements for professional use are located in the rear. We help installers by printing the main technical parameters on the product box and label, making selection and installation easier and avoids mistakes. Our professional audio music players will play files from USB flash and SD memory media.

Reliability

Our products will give consistently great results, even if used 24/7. Simplicity of design, using only premium suppliers for our minimum moving part components, gives our product range the edge in reliability. Loudspeaker enclosures are produced from high quality ABS plastic. Amplifiers and players are extremely resistant to dust and high temperatures and overload protection circuits are built into almost every device. All of this, combined with a rarely called-upon guarantee, gives the consumer total peace of mind. Our 10 years experience of providing professional engineering solutions enables us to deliver the most reliable devices to the audio industry. Our products are equally comfortable inside or outside a building; they are capable of being driven hard anywhere. We know this because we constantly test them in the lab and in the real world.

Profitability

We are able to maintain an exceptional price-to-quality ratio by selling in large quantities, thus enabling our costs to be more competitive when compared to our rivals. Because of this sales structure, together with a fantastic product range that offers a complete solution, we are more attractive to big installation and construction companies. Ultimately, we save our customers money. For the dynamically developing audio market AMC Baltic is able to offer a continuously updated portfolio of products, which provides an advantage to our distributors in the competitive marketplace.

Whilst every effort has been made to ensure that the information in this catalogue is correct, we accept no liability in respect of errors or omissions. All specifications within the AMC Product Catalogue are subject to change as products are updated.





ABOUT US

AMC Baltic started in January 2008, as a manufacturer of loudspeakers and electronics.

Since 2000, AMC had been known as a leading brand in the audio industry. It is a modern and flexible company, operating in this highly competitive international market. Our prime target is the contractor market. We provide reliable, high quality, simple and competitively priced products, and our main focus is on the public address and voice evacuation markets. These markets

demand big quantities and a fast delivery times. You can order thousands of loudspeakers from us and they will usually be in stock; immediate shipment means they reach our customers soon after. Today we sell to 30 countries worldwide, and you can see our products with the AMC logo in many prestigious buildings around the globe.

AMC Worldwide

AMC products are recognizable in many prestigious buildings around the globe.

Case Studies & Environments

We sell to 30 countries worldwide. Some of our customers are:

Abas, Audiologic, Audio Integrate, Audiovision, AVB, AVDis, AVR, BLC Turva, CSL Project, Eltek, ESistemas, Genaudio, GVI Vertriebs, Honeywell, Ignite Technologies, Imlight Showtechnic, Josawa Trading Enterprise, Karadag Elektronic, Lightek, Mediaspro, Megasound, Megavoice, Novar, Phono Media, Proeling, Promedias, Prostage, Sisme, Sound Productions Limited, Smart Audio, Sta Techniks, V.V & Sons, Zoom Tech Electronics



Hilton Garden Inn

Unified complex of buildings, with high-requirements sound system, located in the center of Vilnius, Lithuania.



Xanadu Resort Hotel

Luxurious resort on the shore of Mediterranean sea. Located in Antalya, Turkey



Zalgiris Arena

The largest 15.000 capacity Sport and Entertainment arena in the Baltic states, located in Kaunas, Lithuania.



THE BILKENT INTEGRATED HEALTHCARE CAMPUS

Europe's biggest hospital complex in Turkish capital Ankara



Thessaloniki Airport

The third-largest international airport in Greece, serving Thessaloniki



Hotel Central

Newly renovated hotel in excellent location in old city of Bucharest, Romania.



Hotel Central

Newly renovated hotel in excellent location in old city of Bucharest, Romania.



Veli Vrh

The modern new primary school in Pula, Istria, Croatia.



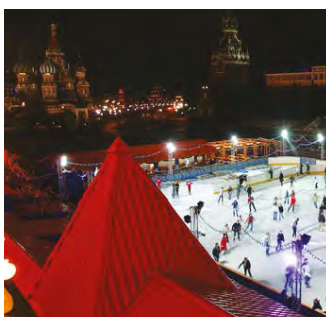
Casa Garcalian Resto Bar

Leisure place at Balayan bay shore, San Luis Batangas.



"Let'Z meet" Restaurant

"Let'Z meet" – new attraction place for food lovers in Netherlands.



Skating Rink

The king of all outdoor rinks! The ice rink covers more than 3000m² and is located in the heart of Moscow in Red Square.



Europea

The most sophisticated retail, residential, office and leisure center in Central Europe, Bratislava, Slovakia.

Our products are used across many sectors in a variety of architectural environments.

Houses of Worship

Churches, Mosques, Temples, Cathedrals and Synagogue's

Transportation Hubs

Airports, Ferry Ports, Train and Bus Terminals

Public Galleries

Museums, Aquariums, Art and Exhibition Centres

Halls of Education

Libraries, Schools, Colleges and University Campus

Retail

Outlets, Supermarkets and Shopping Centers

Food & Drink Establishments

Cafés, Pubs, Bars, Coffee Houses and Restaurants

Corporate AV

Factories, Offices, Boardrooms and Conference Facilities

Public Accomodation

Hotels, Motels, Inns and Boarding Houses

Sporting & Leisure

Stadiums, Arenas, Gyms, Rinks, Pools & Sport Centres

Entertainment

Music Venues, Theaters, Cinemas and Auditoria

Health & Beauty Insitutes

Surgeries, Hospitals, Medical Centres and Spa's

Manufacturing, Testing & Distribution

AMC products are recognizable in many prestigious building

OUR PRODUCTS

We design and produce products dedicated to the public address and voice evacuation markets. Millions of loudspeakers and thousands of electronic devices with the AMC logo are installed in locations all around the World. Their function enables voices and music to be heard clear and pure, without creating an unpleasant or invasive audio environment.



Quality of Build

We use only the highest quality components we have selected for inclusion in our build process, since we consider this to be of the greatest importance to the product, and the end user. We control and monitor assembly of the product at every stage and use high quality tools and hardware in the process.



Quality Control

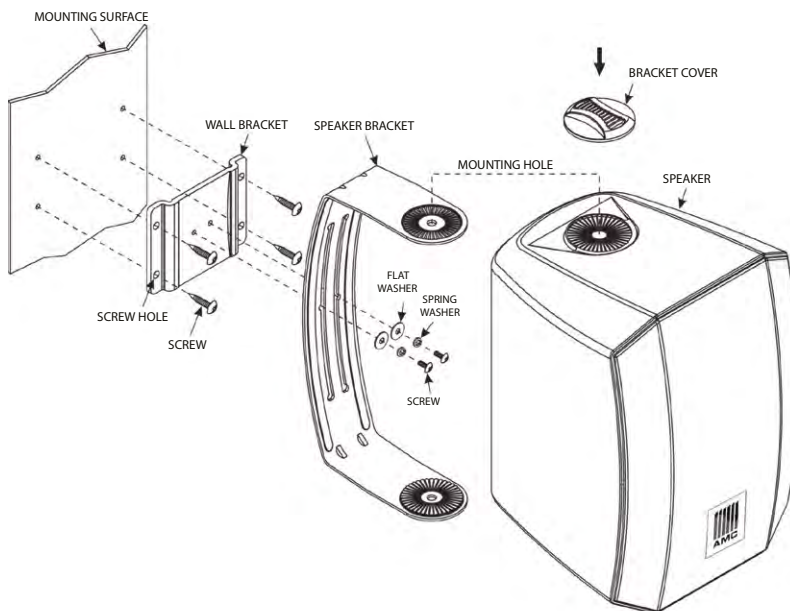
From sourcing of the raw materials to manufacture of the final products, we take special care about the product control. The materials we use in our electronic units are subject to the most stringent requirements in terms of both specification and quality. We ensure that components are ROHS compliant. Throughout the production process we examine and test the quality of our products. Then, the product is finally tested and examined through our high-spec laboratories.



Stock Control

It is most important for us that the product will be in stock, the last stage before reaching the buyer. We control incoming product quality and ensure the best storage conditions and quantity control. Our products are kept safely in a modern warehouse, where the process of paperwork and collecting the shipments is automated using a bar code control system.





Instillation

During the product development and production we always consider the installers, those who will affix and commission our products on site. We always ensure that our products are user-friendly and easy to install.

Our Range

We have a very wide range of the products across two main lines. Loudspeakers: ceiling, wall mount, horn speakers, sound projectors and spherical speakers. Electronics: preamplifiers, players, amplifiers, wireless and wired microphones.



- MUSIC PLAYERS
- INSTALLATION AMPLIFIERS
- MIXING AMPLIFIERS
- MIXING PREAMPLIFIERS
- PROFESSIONAL POWER AMPLIFIERS

AMC Products

- MICROPHONES
- WIRELESS MICROPHONES
- SPEAKER CABLES
- VOLUME CONTROLS

- HORN LOUDSPEAKERS
- SPHERICAL LOUDSPEAKERS
- CABINET LOUDSPEAKERS
- CEILING LOUDSPEAKERS
- COLUMN LOUDSPEAKERS
- CEILING LOW IMPEDANCE LOUDSPEAKERS
- PROFESSIONAL LOUDSPEAKERS
- SOUND PROJECTORS
- SUB WOOFERS





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Rooms *with a* View



Simple. Reliable. Profitable.

AMC® BALTIC Neries kr. 14A, LT-48397, Kaunas, Lithuania / (370 37) 308585 / www.amcpro.eu

EN54-24 CERTIFIED VOICE EVACUATION LOUDSPEAKERS

MC Voice Evacuation Speakers

Metal ceiling loudspeakers with ABS plastic dome, equipped with 100V transformer, ceramic terminal and thermal fuse.

MC 4EN

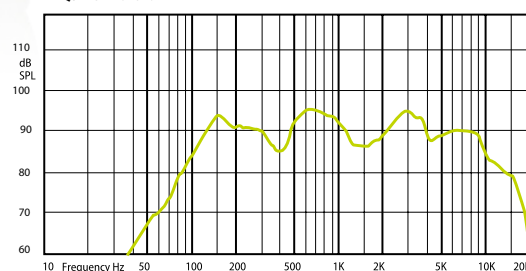
MC 4EN is designed for use in voice evacuation and voice alarm applications for clear and intelligible speech announcements. Quick fit clamps allow easy and fast installation into false ceilings. High sound pressure level SPL and optimized middle frequency sound reproduction ensures reliable operation in case of an emergency situation. Conforms EN54-24 standard.



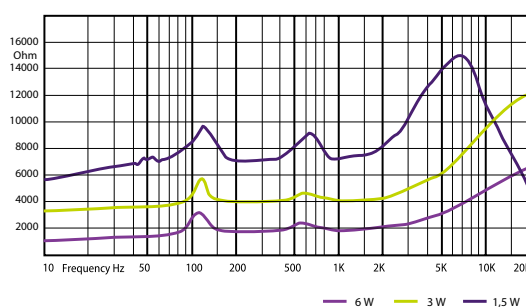
| Technical Specifications | SP 10EN |
|--------------------------|-----------------------------|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W - 1,5 W |
| Transformer impedance | 1,67 kΩ - 3,33 kΩ - 6,66 kΩ |
| Sensitivity | 77 dB (1W / 4 m) |
| Maximum SPL | 84 dB (Pmax / 4m) |
| Frequency response | 110 Hz - 15 kHz |
| Dispersion at 500 Hz | 180° conical |
| Dispersion at 1000 Hz | 180° conical |
| Dispersion at 2000 Hz | 150° conical |
| Dispersion at 4000 Hz | 100° conical |
| Driver dimensions | 4" (100 mm) |
| Dimensions | ø181 mm x 67,5 mm |
| Weight | 0,76 kg |
| Material | Steel |
| Colour | White (RAL 9016) |

* Active Equalizer Applied: NO. All SPL tests are performed in a anechoic chamber.

FREQUENCY RESPONSE



IMPEDANCE



EN54-24 CERTIFIED VOICE EVACUATION LOUDSPEAKERS

iSpeak Surface Mount Plastic Loudspeakers

Plastic enclosure surface mount loudspeaker with built-in 100V line transformer.

iSpeak 5EN

iSpeak 5EN ABS plastic cabinet loudspeaker for constant voltage speaker installation systems. Effortless mounting on any surface: walls or ceilings. Modern, simple and compact form design cabinet loudspeaker with integrated 5" full range driver.

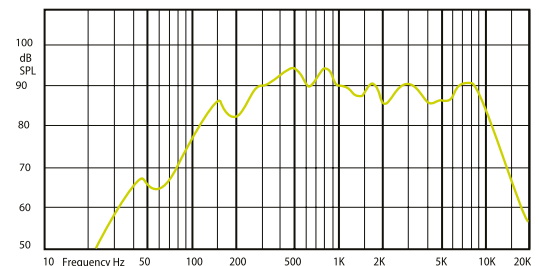
This Loudspeaker produces clear intelligible sound and is good for speech and background music applications. Especially suitable for places where loudspeakers should not make any influence to interior. Conforms EN54-24 standard.



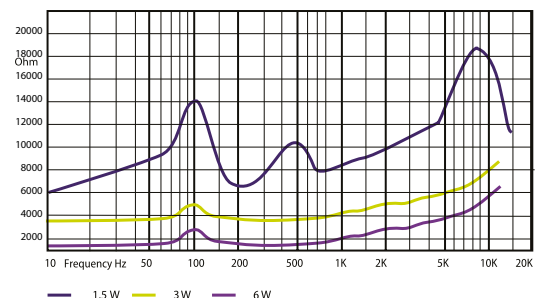
| Technical Specifications | iSpeak 5EN |
|--------------------------|--|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W - 1,5 W |
| Transformer impedance | 1,6 kΩ - 3,3 kΩ - 6,6 kΩ |
| Sensitivity | 79 dB (1W / 4 m) |
| Maximum SPL | 87 dB (Pmax / 4m) |
| Frequency response | 200 Hz - 12 kHz |
| Dispersion at 500 Hz | 230° (H), 230° (V) |
| Dispersion at 1000 Hz | 180° (H), 173° (V) |
| Dispersion at 2000 Hz | 113° (H), 115° (V) |
| Dispersion at 4000 Hz | 75° (H), 75° (V) |
| Driver dimensions | 5" (127 mm) |
| Dimensions | 265 mm x 165 mm x 72 mm |
| Weight | 1,2 kg |
| Material | High impact polystyrene plastic, steel grill |
| Colour | White (RAL 9016) |

* Active Equalizer Applied: NO. All SPL tests are performed in a anechoic chamber.

FREQUENCY RESPONSE



IMPEDANCE



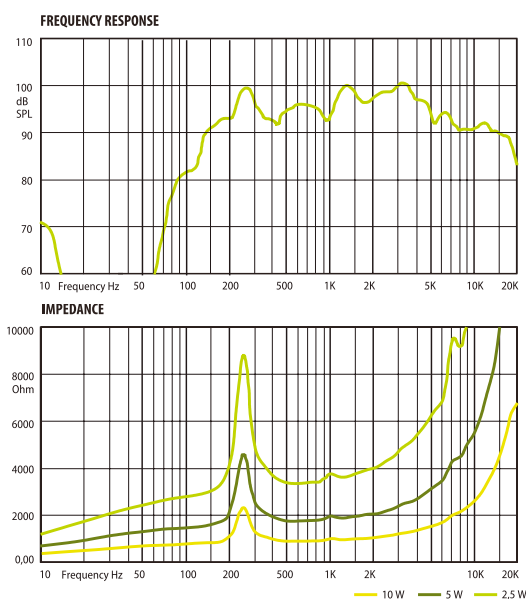
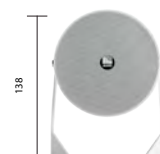
EN54-24 CERTIFIED VOICE EVACUATION LOUDSPEAKERS

SP Plastic Body Sound Projectors

Advanced design sound projectors with built-in 100V line transformer.

SP 10EN

SP 10EN is a plastic body sound projector used to provide high quality sound reproduction for music and speech, IP55 rated for heavy environmental conditions. For use in supermarkets, warehouses, factory buildings, railway stations, car parking areas and pools, wherever clear, high quality directional sound is required. Conforms EN54-24 standard.



| Technical Specifications | SP 10EN |
|--------------------------|--|
| Rated power | 10 W |
| Transformer power taps | 10 W - 5 W - 2,5 W |
| Transformer impedance | 1 k Ω - 2 k Ω - 4 k Ω |
| Sensitivity | 80 dB (1W / 4 m) |
| Maximum SPL | 89 dB (Pmax / 4m) |
| Frequency response | 150 Hz - 16 kHz |
| Dispersion at 500 Hz | 360° conical |
| Dispersion at 1000 Hz | 220° conical |
| Dispersion at 2000 Hz | 121° conical |
| Dispersion at 4000 Hz | 60° conical |
| Protection | IP 55 according CTS testing report |
| Dimensions | \varnothing 138 mm x 202 mm |
| Weight | 1,6 kg |
| Material | ABS plastic, stainless U bracket |
| Colour | White (RAL 9016) |

* Active Equalizer Applied: NO. All SPL tests are performed in a anechoic chamber.

EN54-24 CERTIFIED VOICE EVACUATION LOUDSPEAKERS

HQ Voice Evacuation Plastic Horn Loudspeakers

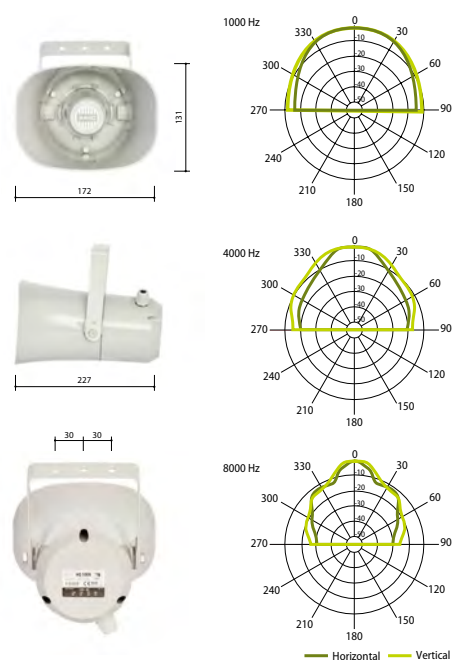
HQ 10EN robust high SPL outdoor horn loudspeaker certified according to EN54-24 standard.

HQ 10EN

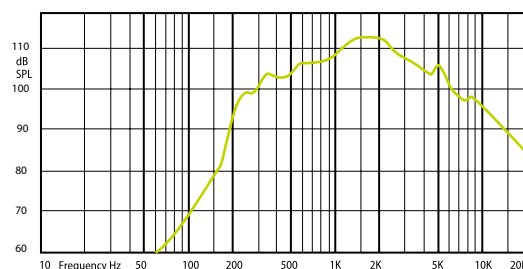
HQ 10EN is designed for use in voice evacuation and voice alarm applications for clear and intelligible voice announcements. 105 dB sensitivity allows to use these horn speakers in noisy and large environments. Built-in ceramic terminal and thermal fuse ensuring faultless operation in case of an emergency situation. Horn speaker is certified by Intertek.



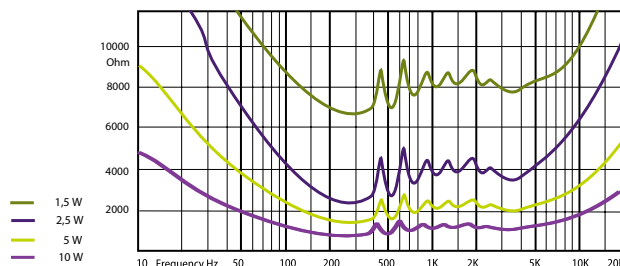
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | HQ 10EN |
|--------------------------|------------------------------------|
| Rated power | 10 W |
| Transformer power taps | 10 W - 5 W - 2,5 W - 1,25 W |
| Sensitivity | 105 dB (1 W/1 m) |
| Maximum SPL | 115 dB (Pmax/1 m) at 1 kHz |
| Frequency response | 340 Hz – 16 kHz |
| Dispersion at 1000 Hz | 80° (H) x 105° (V) |
| Protection | IP 33 |
| Dimensions | 172 mm x 131 mm x 227 mm |
| Weight | 1,6 kg |
| Material | Plastic horn, U type steel bracket |
| Colour | Light grey (RAL 7035) |

EN54-24 CERTIFIED VOICE EVACUATION LOUDSPEAKERS

HQ Voice Evacuation Plastic Horn Loudspeakers

HQ 10EN robust high SPL outdoor horn loudspeaker certified according to EN54-24 standard.

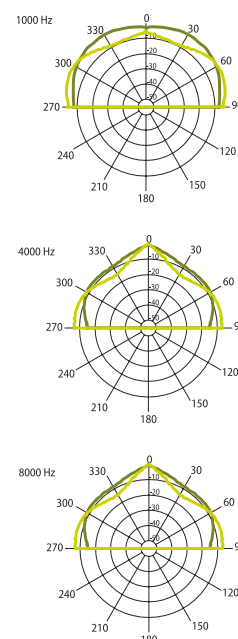
HQ 15EN

HQ 15EN improved quality plastic horn speakers with extremely high SPL and a powerful middle range frequency response. Well suited for indoor and outdoor installation. For voice evacuation and paging systems.

With U-mounting bracket. Conforms EN54-24 standard.



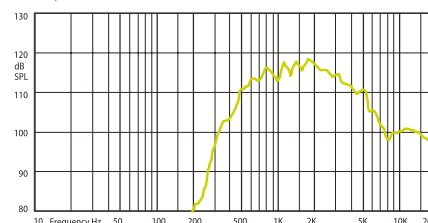
HORIZONTAL / VERTICAL POLAR DIAGRAMS



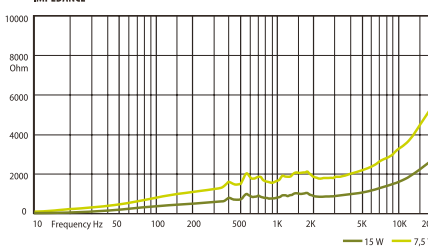
| Technical Specifications | HQ 15EN |
|--------------------------|-----------------------------------|
| Rated power | 15 W |
| Transformer power taps | 15 W - 7,5 W |
| Transformer impedance | 666 Ω - 1.3 kΩ |
| Sensitivity | 89 dB (1W / 4 m) |
| Maximum SPL | 100 dB (Pmax / 4m) |
| Frequency response | 380 Hz - 10 kHz |
| Dispersion at 500 Hz | 360° (H), 360° (V) |
| Dispersion at 1000 Hz | 150° (H), 135° (V) |
| Dispersion at 2000 Hz | 83° (H), 64° (V) |
| Dispersion at 4000 Hz | 40° (H), 41° (V) |
| Protection | IP 66 |
| Dimensions | 232 mm x 222 mm x 163 mm |
| Weight | 1,42 kg |
| Material | ABS plastic, U type steel bracket |
| Colour | White (RAL 9016) |



FREQUENCY RESPONSE



IMPEDANCE



* Active Equalizer Applied: YES. All SPL tests are performed in a anechoic chamber.

| | | | | | |
|--------|--------|---------|---------|---------|----------|
| 630 Hz | 800 Hz | 5000 Hz | 6300 Hz | 8000 Hz | 10000 Hz |
| +8 dB | +3 dB | +3 dB | +3 dB | +12 dB | +6 dB |

CABINET LOUDSPEAKERS

iPlay Wall Mount Loudspeakers

Plastic enclosure wall mount aluminium grill cabinet loudspeakers.

iPLAY 4T, 5T & 6

iPlay is one of our most popular lines, a good sound quality and a very keen price structure means they have many applications and are used in large quantities. The range includes 4", 5" and 6" loudspeakers with corresponding tweeters. iPlay 6 is designed only for low impedance speaker lines.

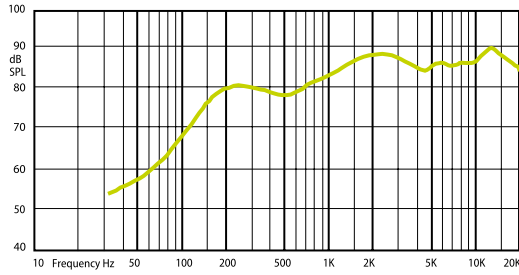
Available in black and white.



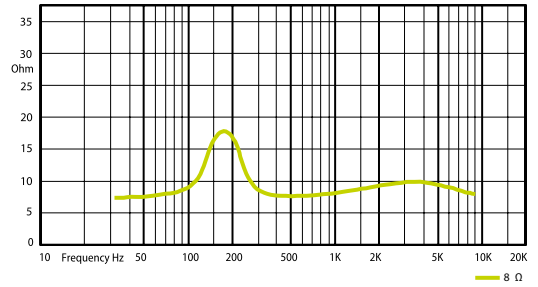
| Technical Specifications | iPlay 4T | iPlay 5T | iPlay 6 |
|--------------------------|--|--|--|
| Rated power | 30 W (8 Ω) | 35 W (8 Ω) | 90 W (8 Ω) |
| Transformer power taps | 16 W - 8 W - 4 W - 2 W - 8 Ω | 30 W - 16 W - 8 W - 4 W - 8 Ω | |
| Sensitivity | 87 dB (1 W/1 m) | 89 dB (1 W/1 m) | 87 dB (1 W/1 m) |
| Maximum SPL | 103 dB (Pmax/1 m) at 8137 Hz | 109 dB (Pmax/1 m) at 5573 Hz | 110 dB (Pmax/1 m) at 4711 Hz |
| Frequency response | 110 Hz – 20 kHz | 120 Hz – 20 kHz | 70 Hz – 20 kHz |
| Dispersion at 1000 Hz | 180° (H), 160° (V) | 180° (H), 160° (V) | 165° (H), 133° (V) |
| Driver dimensions | 4" (101 mm) woofer, 1" (25 mm) tweeter | 5" (127 mm) woofer, 1" (25 mm) tweeter | 6" (152 mm) woofer, 1,5" (38 mm) tweeter |
| Dimensions | 220 mm x 135 mm x 135 mm | 240 mm x 165 mm x 160 mm | 285 mm x 195 mm x 200 mm |
| Weight | 1,6 kg | 2,2 kg | 3,2 kg |
| Material | Polypropylene housing with aluminum grill, U-bracket – steel | Polypropylene housing with aluminum grill, U-bracket – steel | Polypropylene housing with aluminum grill, U-bracket – steel |
| Colour | Papyrus white (RAL 9018) or Black (RAL 9017) | Papyrus white (RAL 9018) or Black (RAL 9017) | Papyrus white (RAL 9018) or Black (RAL 9017) |

iPlay 4T

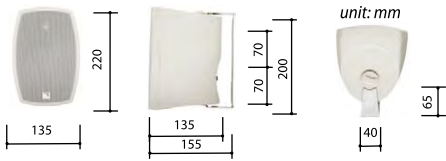
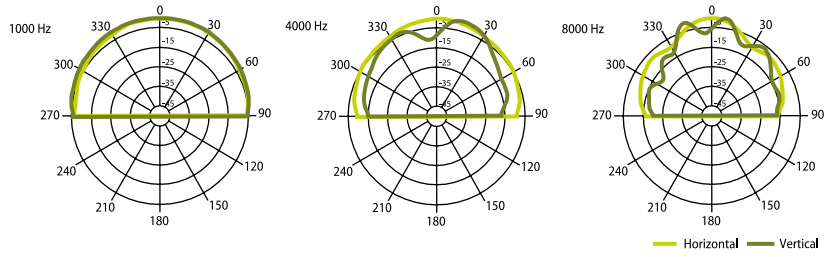
FREQUENCY RESPONSE



IMPEDANCE

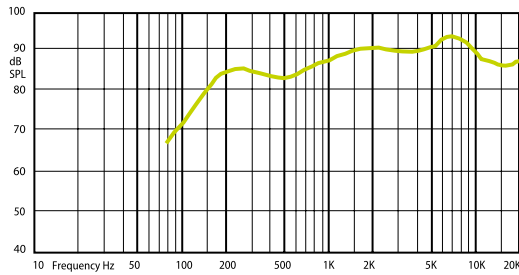


HORIZONTAL / VERTICAL POLAR DIAGRAMS

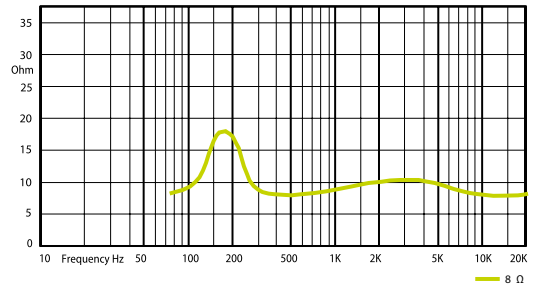


iPlay 5T

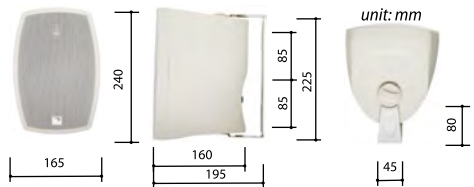
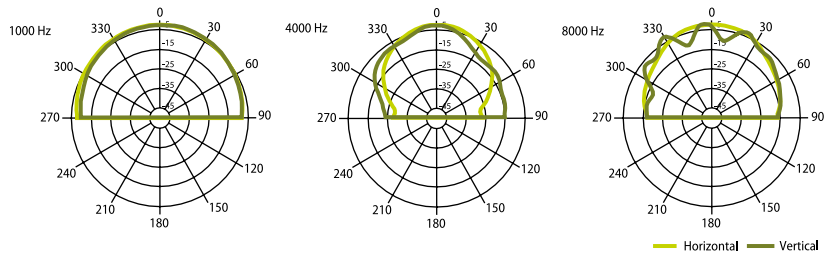
FREQUENCY RESPONSE



IMPEDANCE

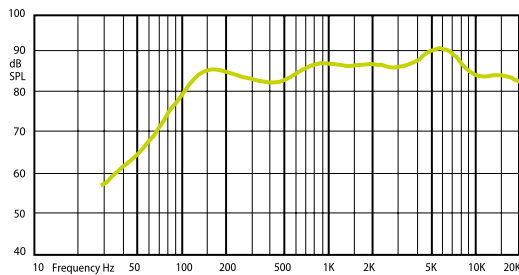


HORIZONTAL / VERTICAL POLAR DIAGRAMS

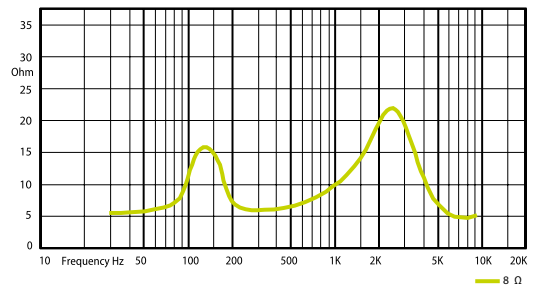


iPlay 6

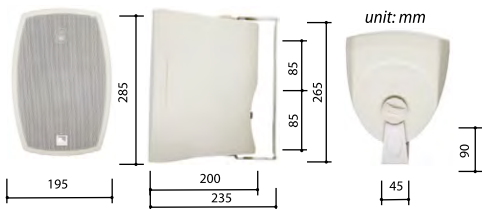
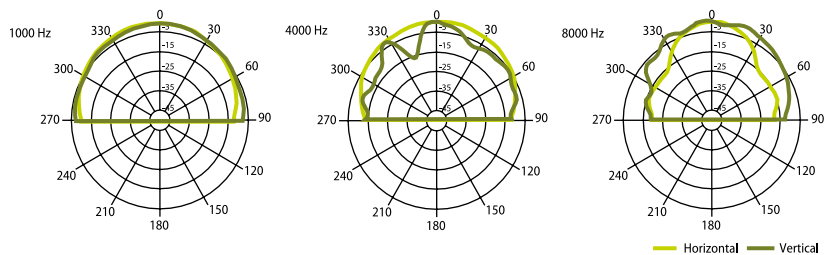
FREQUENCY RESPONSE



IMPEDANCE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



CABINET LOUDSPEAKERS

iSpeak Surface Mount Plastic Loudspeakers

Plastic enclosure surface mount loudspeaker with built-in 100V line transformer.

iSpeak 5 & iSpeak 5R

iSpeak ABS plastic cabinet loudspeakers for constant voltage speaker installation systems. Effortless mounting on any surface: walls or ceilings. Modern, simple and compact form design cabinet loudspeaker with integrated 5" full range driver.

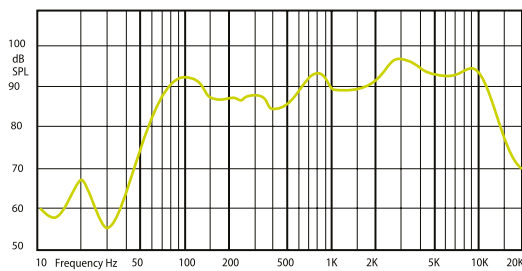
These loudspeakers produces clear intelligible sound and is great for speech and background music applications.

Especially suitable for places where loudspeakers should not make any influence to interior.

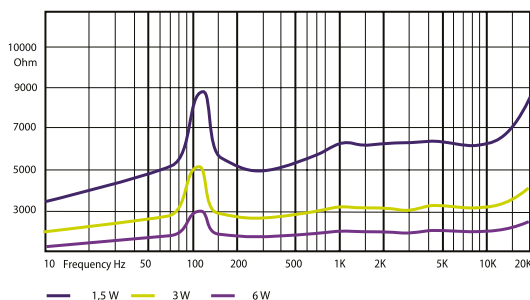
iSpeak 5R has integrated volume attenuator. It can be used in 3 wire audio systems in order to automatically eliminate volume attenuator in emergency situations .

| Technical Specifications | iSpeak 5 |
|--------------------------|--|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W - 1,5 W |
| Sensitivity | 90 dB (1 W/1 m) |
| Maximum SPL | 102 dB (Pmax/1 m at 2834 Hz) |
| Frequency response | 70 Hz – 18 kHz |
| Dispersion at 1000 Hz | 180° (H) x 140° (V) |
| Driver dimensions | 5" (127 mm) |
| Dimensions | 265 mm x 165 mm x 72 mm |
| Weight | 1,2 kg |
| Material | High impact polystyrene plastic, steel grill |
| Colour | White (RAL 9016) |

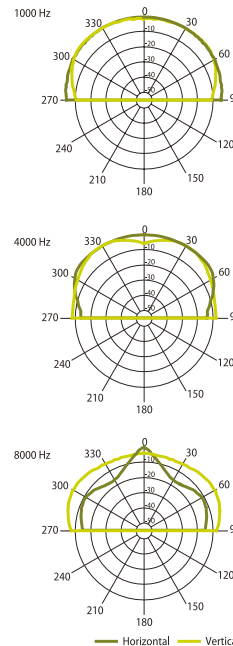
FREQUENCY RESPONSE



IMPEDANCE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



iSpeak 5



iSpeak 5R



CABINET LOUDSPEAKERS

iSpeak Surface Mount Plastic Loudspeakers

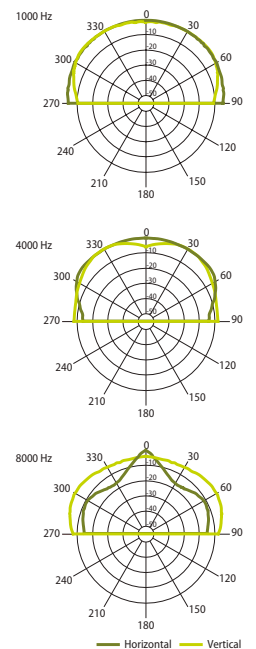
Plastic enclosure surface mount loudspeakers with built-in 100V line transformer.

iSPEAK 6

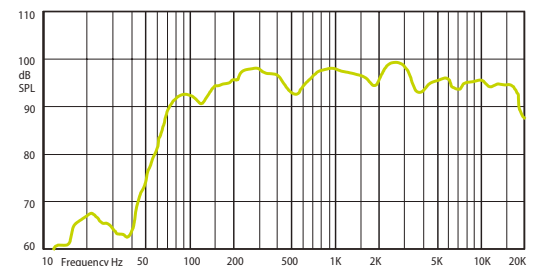
Designed to be easily and quickly mounted on any flat surface, horizontally or vertically. The enclosure features a full range speaker giving excellent speech intelligibility and is ideal for background music reproduction. It is also particularly good for applications with sensitive interiors. Available in two white shades, RAL9016 and RAL 9018.



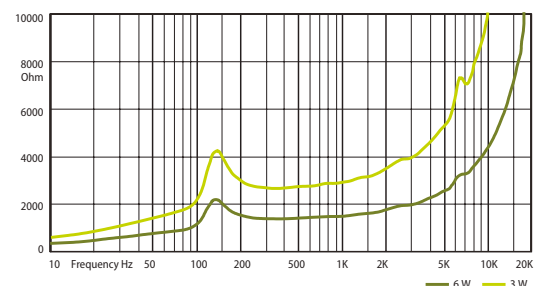
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | iSpeak 6 |
|--------------------------|--|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W |
| Sensitivity | 92 dB (1 W/1 m) |
| Maximum SPL | 99 dB (Pmax/1 m) at 2491 Hz |
| Frequency response | 130 Hz – 17 kHz |
| Dispersion at 1000 Hz | 180° (H), 140° (V) |
| Driver size | 5,5" (139 mm) |
| Dimensions | 166 mm x 267 mm x 80 mm |
| Weight | 1 kg |
| Material | High impact polystyrene plastic, steel grill |
| Colour | Papyrus white (RAL 9018), white (RAL 9016) |

CABINET LOUDSPEAKERS

PS Plastic cabinet Speakers

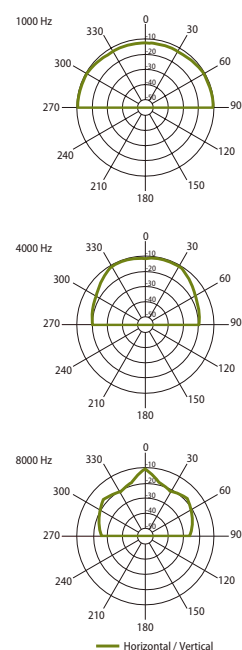
Plastic enclosure loudspeakers with built-in 100V line transformer.

PS 6

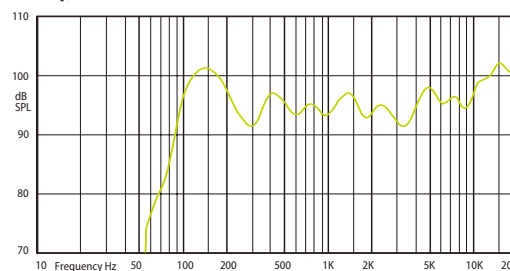
Neutral design round plastic enclosure cabinet loudspeaker with steel grill.
 Built-in 100V transformer. Designed for mounting on horizontal or vertical surface.
 Excellent speech intelligibility and background music reproduction.



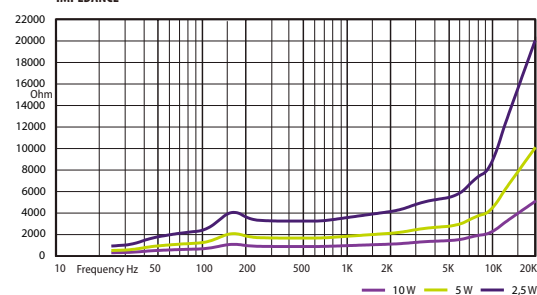
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | PS 6 |
|--------------------------|--------------------------------|
| Rated power | 10 W |
| Transformer power taps | 10 W - 5 W - 2,5 W |
| Sensitivity | 93 dB (1W / 1m) |
| Maximum SPL | 114 dB (Pmax / 1m) at 1425 kHz |
| Frequency response | 80 Hz - 18 kHz |
| Dispersion at 1000 Hz | 180° Conical |
| Driver dimensions | 6" (152 mm) |
| Dimensions | ø 255 mm x 80 mm |
| Weight | 1,3 kg |
| Material | ABS plastic |
| Colour | White (RAL 9016) |

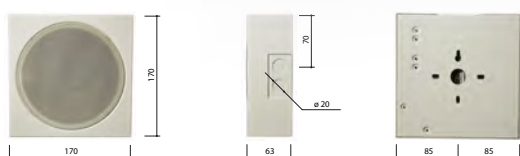
CABINET LOUDSPEAKERS

EVACW Surface Mount Voice Evacuation Loudspeakers

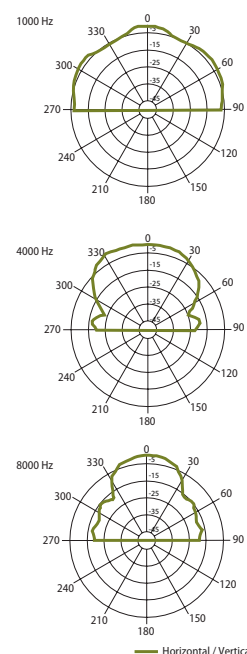
Metal wall mounted loudspeakers for voice evacuation systems.

EVACW 5

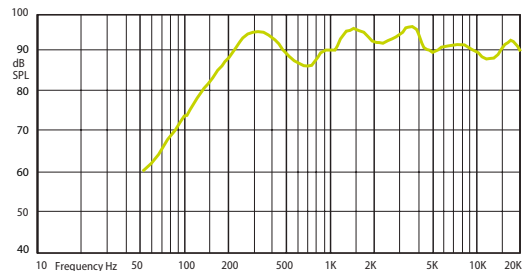
EVACW 5 metal enclosure loudspeakers with built-in 100V transformer. EVACW speakers are mainly used in voice evacuation systems. Thermal fuse and ceramic wire terminal are integrated to be compliant with EN54-24 standard. Full range speaker has very good medium frequency response to produce clear and intelligible speech. Simple installation on any flat surface, horizontally or vertically.



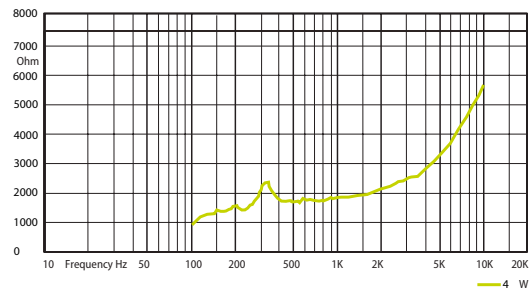
HORIZONTAL / VERTICAL POLAR DIAGRAMS



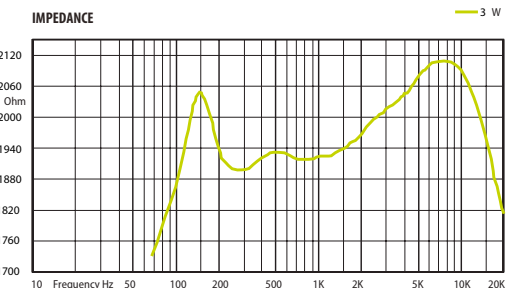
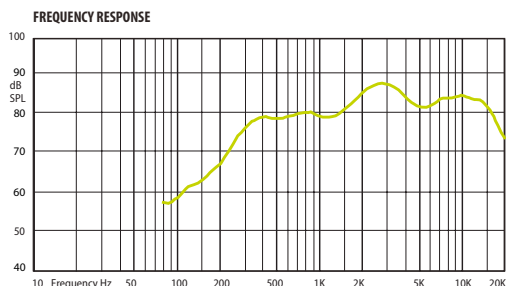
FREQUENCY RESPONSE



IMPEDANCE

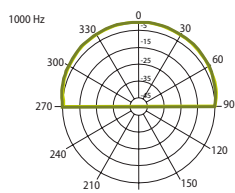


| Technical Specifications | EVACW 5 |
|--------------------------|--|
| Rated power | 6 W (8 Ω) |
| Transformer power taps | 6 W – 4 W – 2 W – 1 W – 0,5 W – 0,25 W |
| Sensitivity | 92 dB (1 W/1 m) |
| Maximum SPL | 100 dB (Pmax/1 m) at 3620 Hz |
| Frequency response | 150 Hz – 20 kHz |
| Dispersion at 1000 Hz | 120° (H), 120° (V) |
| Driver dimensions | 5" (127 mm) |
| Dimensions | 170 mm x 170 mm x 63 mm |
| Weight | 1,4 kg |
| Material | Steel |
| Colour | White (RAL 9016) |

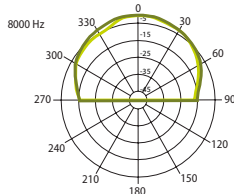
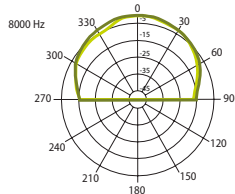
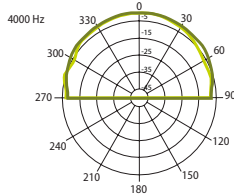
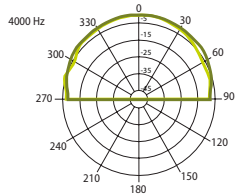
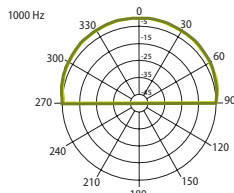


W3

HORIZONTAL / VERTICAL POLAR DIAGRAMS

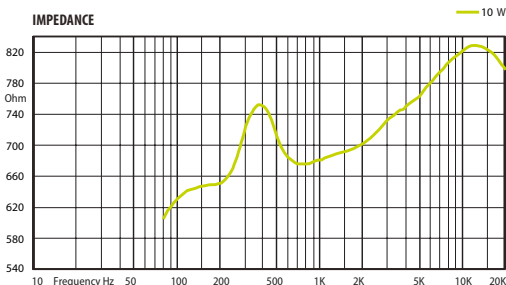
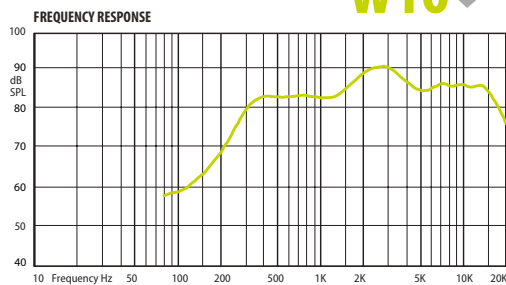


HORIZONTAL / VERTICAL POLAR DIAGRAMS



— Horizontal — Vertical

W10



CABINET LOUDSPEAKERS

W Wall Mount Loudspeakers

W series wall mount loudspeakers.

W3 & W10

These loudspeakers are designed for use in public address and background music situations, where cost is a consideration. Small size high quality plastic cabinets with a 4" speaker and transformer inside. Good for use in hotel bathrooms, service rooms, parking areas and corridors.

| Technical Specifications | W3 | W10 |
|--------------------------|-----------------------------|------------------------------|
| Rated power | 3 W | 10 W |
| Transformer power taps | 3 W - 1,5 W - 0,75 W | 10 W - 5 W - 2,5 W |
| Sensitivity | 84 dB (1 W/1 m) | 87 dB (1 W/1 m) |
| Maximum SPL | 93 dB (Pmax/1 m) at 1860 Hz | 101 dB (Pmax/1 m) at 1815 Hz |
| Frequency response | 200 Hz – 15 kHz | 200 Hz – 15 kHz |
| Dispersion at 1000 Hz | 180° (H), 180° (V) | 180° (H), 180° (V) |
| Driver dimensions | 4" (101 mm) | 4" (101 mm) |
| Dimensions | 185 mm x 190 mm x 90 mm | 185 mm x 190 mm x 90 mm |
| Weight | 0,6 kg | 0,7 kg |
| Material | ABS plastic | ABS plastic |
| Colour | White (RAL 9016) | White (RAL 9016) |



CABINET LOUDSPEAKERS

VIVA Wall Mount Plastic Loudspeakers

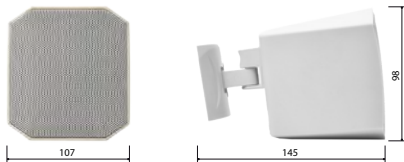
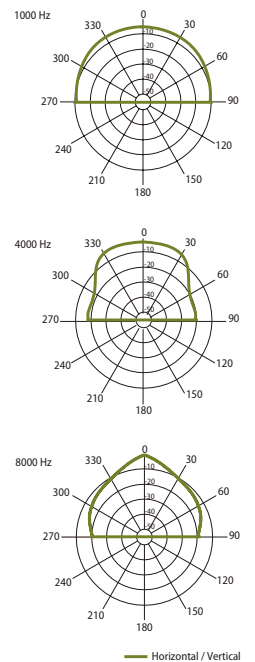
Latest design powerful speakers for background music.

VIVA 3

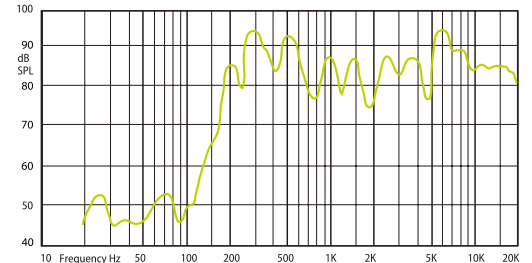
Our newest high profile loudspeaker VIVA 3 combines best design and great sound. VIVA 3 is our smallest loudspeaker with elegant mounting bracket. It has built-in high quality 3-inch precision coaxial driver with excellent sound reproduction. For those who will design 100V systems, can install this speaker directly in, the loudspeaker has built in 100V transformer. For low impedance speaker lines – 16 Ω speaker input can be selected. This allows to use more speakers in one chain. VIVA 3 was equipped with professional input and output Phoenix connectors to make installation simple and easy. Speakers are designed for use in upscale shops, restaurants, bars and other places, where high quality background music is required. In combination with our subwoofer SUB 100V, sound can be enhanced with low frequencies.



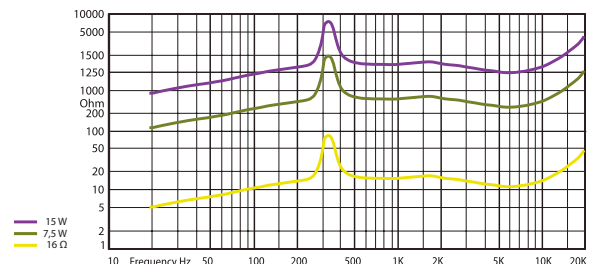
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | | VIVA 3 |
|--------------------------|--|---|
| Rated power | | 15W |
| Transformer power taps | | 15W - 7,5W - 16Ω |
| Sensitivity | | 86dB (1W/1m) |
| Maximum SPL | | 98dB (Pmax/1m) at 1000Hz |
| Frequency response | | 200Hz - 20kHz |
| Dispersion at 1000 Hz | | 180° conical |
| Driver dimensions | | 3" (72mm) woofer, 1" (25,4mm) tweeter |
| Dimensions | | 145 mm x 107 mm x 98 mm |
| Weight | | 0,9 kg |
| Material | | Housing - plastic, grill - aluminum and U-bracket - steel |
| Colour | | White (RAL 9016), black (RAL 9017) |

CABINET LOUDSPEAKERS

VIVA Wall Mount Plastic Loudspeakers

Latest design powerful speakers for background music.

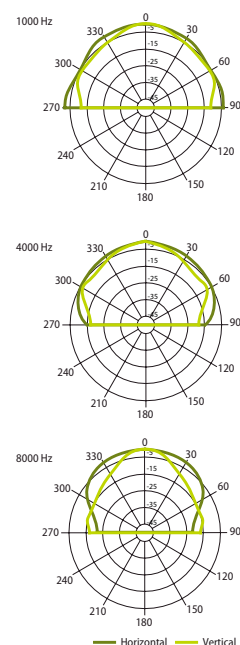
VIVA 4

VIVA 4 elegant contemporary design, smooth cabinet surface and mild grill. Classic shape with its advanced twist that lets the loudspeaker to adapt easily in a wide variety of contemporary interiors and become an integral part of the architecture.

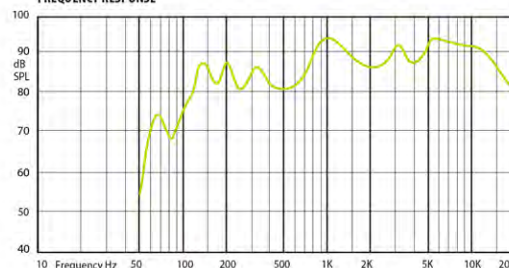
Rotating AMC logo, semi-circle U-bracket enables a wide array of mounting possibilities. Power adjustment of the speaker is very simple. The ultra thin and flat power selector looks very elegant. Integrated Phoenix connectors show advanced design of the loudspeaker. Two colour choice. Two-way loudspeaker with 4 inch low frequency and 1 inch silk tweeter inside.



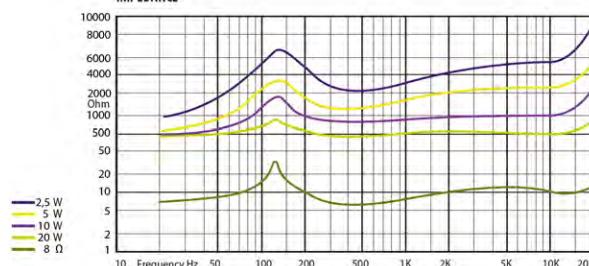
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | VIVA 4 |
|--------------------------|--|
| Rated power | 20 W |
| Transformer power taps | 20 W - 10 W - 5 W - 2,5 W - 8 Ω |
| Sensitivity | 89 dB (1W / 1m) |
| Maximum SPL | 102 dB (Pmax / 1m) at 3254 Hz |
| Frequency response | 90 Hz - 20 kHz |
| Dispersion at 1000 Hz | 150° (H), 120° (V) |
| Driver dimensions | 4" (101 mm) woofer, 1" (25 mm) tweeter |
| Dimensions | 205 mm x 188 mm x 132 mm |
| Weight | 2,1 kg |
| Material | Housing – plastic, grill and U-bracket – steel |
| Colour | White (RAL 9016), Black (RAL 9017) |

CABINET LOUDSPEAKERS

VIVA Wall Mount Plastic Loudspeakers

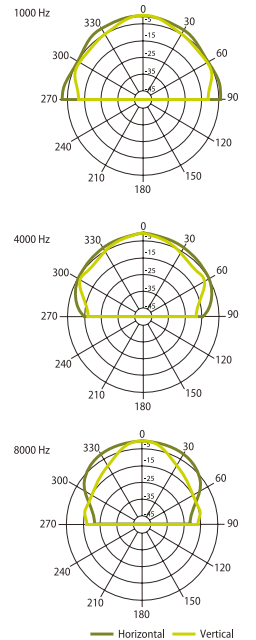
Latest design background music loudspeaker for indoor and outdoor use.

VIVA 4IP

VIVA 4IP contemporary design cabinet loudspeaker with smooth surface. Two-way loudspeakers are equipped with 4 inch driver and 1 inch silk tweeter. The speaker is compliant with IP 55 ingress protection and can be used outdoor. Semi-circle U-mounting bracket and rotating logo enables mounting under different angles horizontally and vertically. Input power can be adjusted with selector on loudspeaker back side. In order to reach IP 55 ingress protection, wire connectors are isolated from moisture using plastic protection cover with cable gland. Available in black and white.

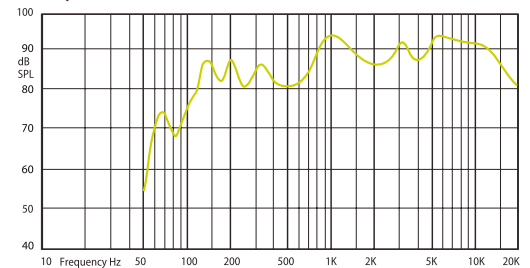


HORIZONTAL / VERTICAL POLAR DIAGRAMS

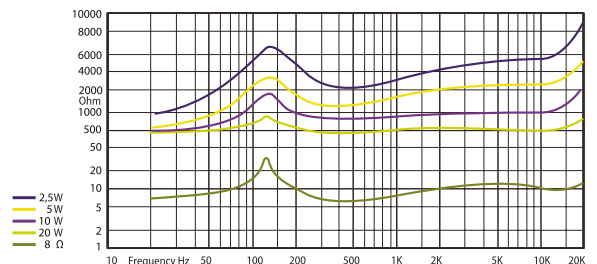


| Technical Specifications | VIVA 4 |
|--------------------------|--|
| Rated power | 20 W |
| Transformer power taps | 20 W - 10 W - 5 W - 2,5 W - 8 Ω |
| Sensitivity | 89 dB (1W / 1m) |
| Maximum SPL | 102 dB (Pmax / 1m) at 3254 Hz |
| Frequency response | 90 Hz - 20 kHz |
| Dispersion at 1000 Hz | 150° (H), 120° (V) |
| Driver dimensions | 4" (101 mm) woofer, 1" (25 mm) tweeter |
| Dimensions | 205 mm x 188 mm x 132 mm |
| Weight | 2,1 kg |
| Material | Housing – plastic, grill and U-bracket – steel |
| Colour | White (RAL 9016), Black (RAL 9017) |

FREQUENCY RESPONSE



IMPEDANCE



CABINET LOUDSPEAKERS

VIVA Wall Mount Plastic Loudspeakers

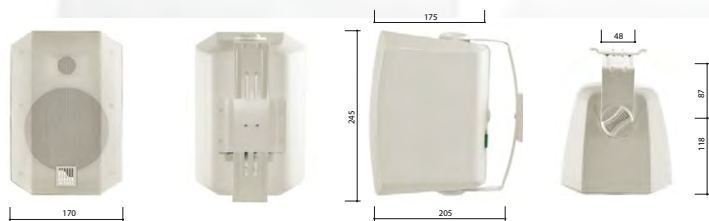
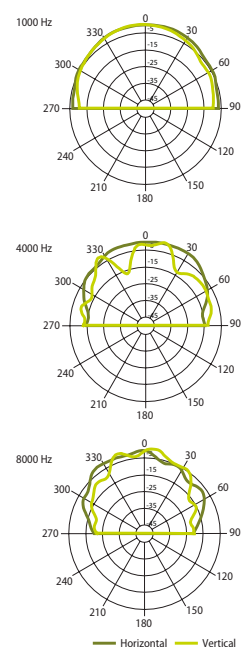
Latest design powerful speakers for background music.

VIVA 5

Elegant contemporary design, smooth cabinet surface with body coloured steel grill. Classic shape with advanced twist that lends this loudspeaker to adapt easily in a wide variety of contemporary interiors and become an integral part of the architecture. The newly designed semi-circular mounting bracket enables a wide array of mounting possibilities. It not only looks good, but also makes it easy to adjust the mounting angle within a 15 degree radius. The ultra thin and flat power selector looks very elegant, and the use of the integrated Phoenix connectors highlights the advanced design of the loudspeaker. The AMC logo rotates, available in white and black.

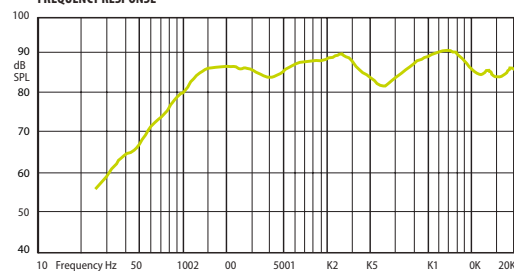


HORIZONTAL / VERTICAL POLAR DIAGRAMS

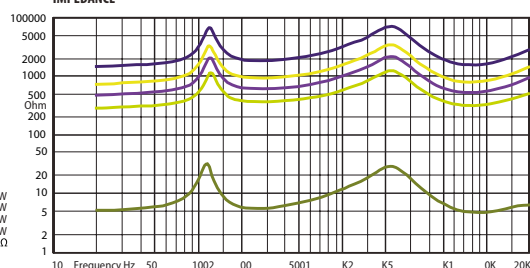


| Technical Specifications | VIVA 5 |
|--------------------------|--|
| Rated power | 30 W |
| Transformer power taps | 25 W - 15 W - 10 W - 5 W - 8 Ω |
| Sensitivity | 87 dB (1 W / 1 m) |
| Maximum SPL | 101 dB (Pmax / 1 m) at 1000 Hz |
| Frequency response | 80 Hz - 20 kHz |
| Dispersion at 1000 Hz | 150° (H), 120° (V) |
| Driver dimensions | 5" (127 mm) woofer, 1" (25,4 mm) tweeter |
| Dimensions | 245 mm x 175 mm x 170 mm |
| Weight | 2,4 kg |
| Material | Housing – plastic, grill and U-bracket – steel |
| Colour | White (RAL 9016), Black (RAL 9017) |

FREQUENCY RESPONSE



IMPEDANCE



CABINET LOUDSPEAKERS

VIVA Wall Mount Plastic Loudspeakers

Latest design powerful speakers for background music.

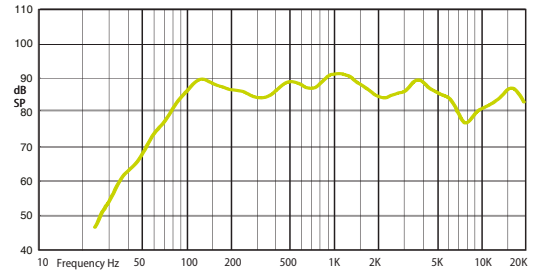
VIVA 8

Designed for background music and paging, having a very strong, clear and powerful sound. Special mounting bracket and rotating logo allows this speaker to be mounted vertically or horizontally. 8" woofer and 1" tweeter mounted in robust ABS plastic enclosure with aluminium grill. Suitable for outdoor use.

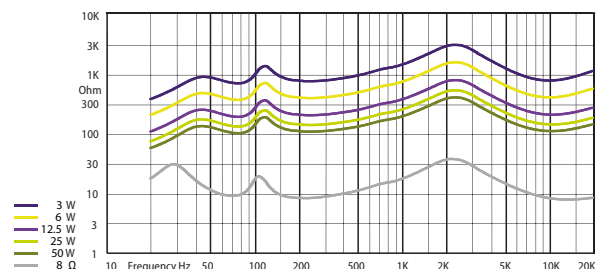


| Technical Specifications | VIVA 8 |
|--------------------------|---|
| Rated power | 60 W (8 Ω) |
| Transformer power taps | 50 W - 25 W - 12,5 W - 6 W - 3 W - 8 Ω |
| Sensitivity | 87 dB (1 W/1 m) |
| Maximum SPL | 108 dB (Pmax/1m) at 917 Hz |
| Frequency response | 60 Hz – 20 kHz |
| Dispersion at 1000 Hz | 120° (H), 120° (V) |
| Driver dimensions | 8" (203mm) woofer, 1" (25,4) tweeter |
| Dimensions | 340 mm x 220 mm x 216 mm |
| Weight | 5,28 kg |
| Material | Body - plastic, grill - aluminum, U-bracket - steel |
| Colour | White (RAL 9016), black (RAL 9017) |

FREQUENCY RESPONSE



IMPEDANCE



CABINET LOUDSPEAKERS

VIVA Wall Mount Plastic Loudspeakers

Latest design powerful speakers for background music.

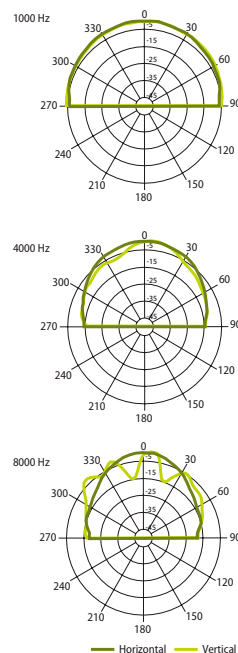
VIVA 3-302T

The legendary VIVA range of AMC cabinet loudspeakers has been in production for many years, yet is still in high demand all over the Globe. An agless cabinet design, combined with a high quality sound output makes these speakers very popular. The loudspeakers are assembled using premium components: top grade plastic parts and high quality speaker components.

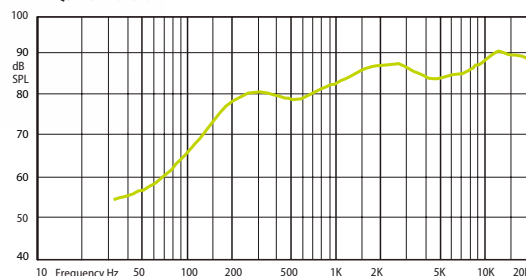
Available in black and white.



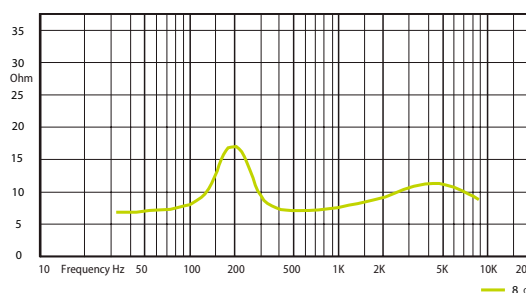
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | VIVA 3-302T |
|--------------------------|--|
| Rated power | 25 W (8 Ω) |
| Transformer power taps | 15 W - 7,5 W - 3 W - 8 Ω |
| Sensitivity | 87 dB (1W / 1m) |
| Maximum SPL | 102 dB (Pmax / 1m) at 8137 Hz |
| Frequency response | 150 Hz - 20 kHz |
| Dispersion at 1000 Hz | 170° (H), 180° (V) |
| Driver dimensions | 3" (76 mm) woofer, 1" (25 mm) tweeter |
| Dimensions | 200 mm x 113 mm x 133 mm |
| Weight | 1,5 kg |
| Material | Housing – ABS plastic, U-bracket and grill – steel |
| Colour | White (RAL 9016), Black (RAL 9017) |

CEILING LOUDSPEAKERS

MC Metal Ceiling Loudspeakers

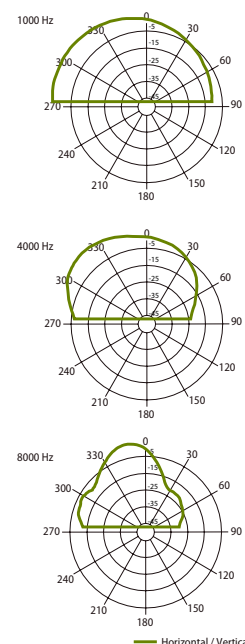
MC - metal ceiling loudspeakers with built-in 100V transformer.

MC 4TA

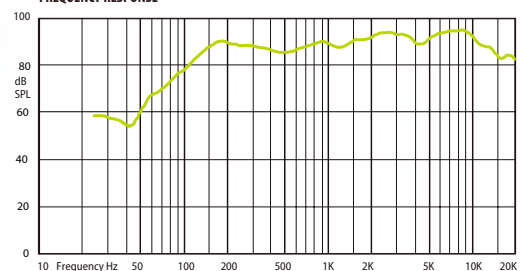
Quick fit clamps allow easy and quick mounting into false ceilings. MC loudspeakers have powerful middle frequency sound reproduction and high sound pressure level (SPL). Ultra slim design of the speakers makes them ideal for installation in low space or minimum clearance situations. The MC 4TA is perfect for speech announcements in emergency systems where public address is the main requirement.



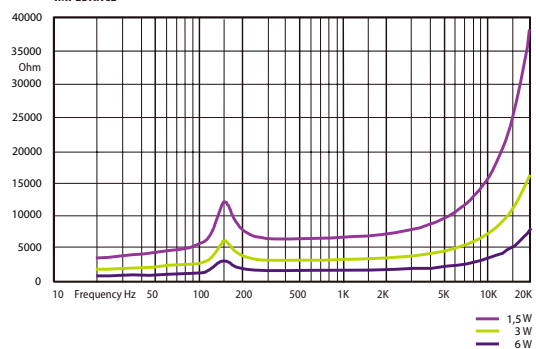
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | MC 4TA |
|--------------------------|------------------------------|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W - 1,5W |
| Sensitivity | 91 dB (1 W/1 m) |
| Maximum SPL | 104 dB (Pmax/1 m) at 6878 Hz |
| Driver impedance | 8 Ω |
| Frequency response | 110 Hz – 17 kHz |
| Dispersion at 1000 Hz | 180° conical |
| Driver dimensions | 4" (100 mm) full range |
| Dimensions | Ø 180 mm × 50 mm |
| Weight | 0,7 kg |
| Material | Steel |
| Colour | White (RAL 9016) |

CEILING LOUDSPEAKERS

MC Metal Ceiling Loudspeakers

MC - metal ceiling loudspeakers with built-in 100V transformer.

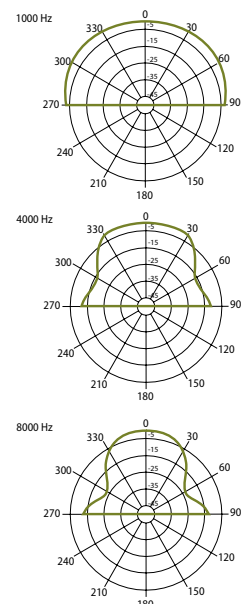
MC 6T

Cost effective metal loudspeakers. Slim loudspeaker's construction designed for low installation depth, quick fit clamps allow easy and fast installation into false ceilings.

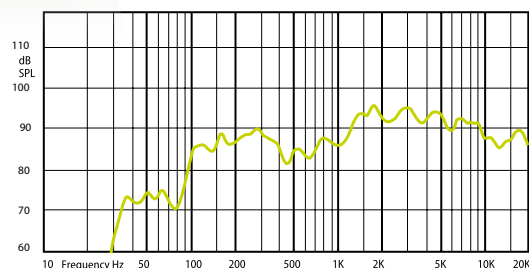
Light weight paper diaphragm and high efficiency magnet are the reasons of high performance in the middle frequency response.



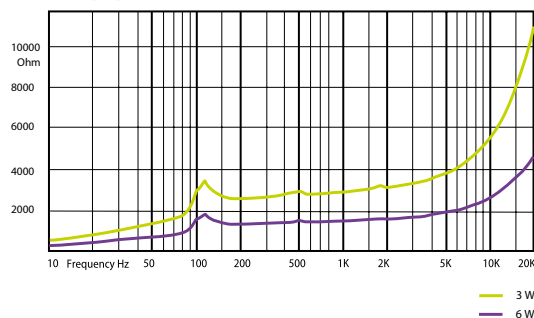
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | MC 6T |
|--------------------------|------------------------------|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W |
| Sensitivity | 92 dB (1 W/1 m) |
| Maximum SPL | 104 dB (Pmax/1 m) at 1830 Hz |
| Frequency response | 100 Hz - 18 kHz |
| Dispersion at 1000 Hz | 180° conical |
| Driver dimensions | 6" (152 mm) full range |
| Dimensions | ∅ 200 mm x 65 mm |
| Weight | 0,9 kg |
| Material | Steel |
| Colour | White (RAL 9016) |

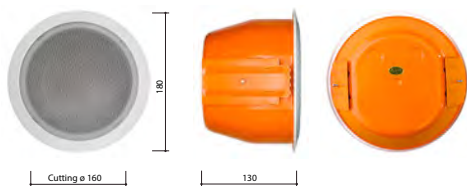
CEILING LOUDSPEAKERS

EVAC Voice Evacuation Ceiling Loudspeakers

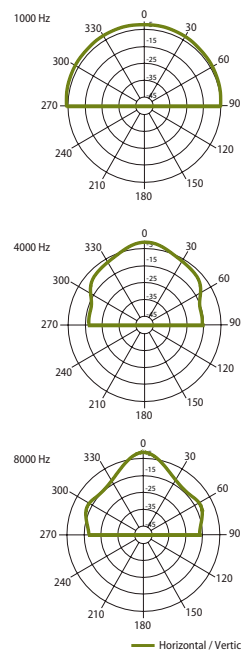
Metal ceiling loudspeakers with built-in 100V transformer. Steel grill and fire dome. Designed for easy mounting in to false ceilings

EVAC 50X

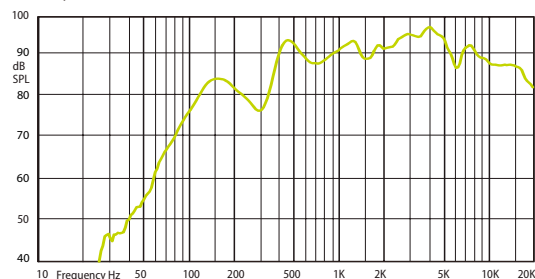
Designed to be installed in false ceilings or panels. EVAC 50X is perfect for use in a voice alarm role, for clear and intelligible speech reproduction as well as background music. In compliance with EN 54-24 standard, EVAC 50X is equipped with ceramic terminal and thermal fuse.



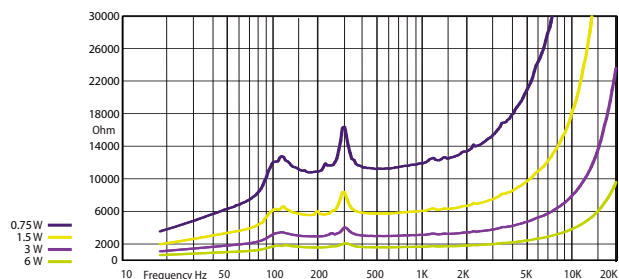
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | EVAC 50X |
|--------------------------|---|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W - 1,5 W - 0,75 W - 0,25 W |
| Sensitivity | 92 dB (1 W/1 m) |
| Maximum SPL | 104 dB (Pmax/1 m) at 3651 Hz |
| Frequency response | 150 Hz – 18 kHz |
| Dispersion at 1000 Hz | 180° conical |
| Driver dimensions | 5" (127 mm) |
| Dimensions | ø 180 mm x 130 mm |
| Weight | 1,32 kg |
| Material | Steel |
| Colour | Speaker - white (RAL 9016), fire dome - orange (RAL 2008) |

CEILING LOUDSPEAKERS

PC Low Impedance Ceiling Loudspeakers

High performance coaxial ceiling loudspeakers.

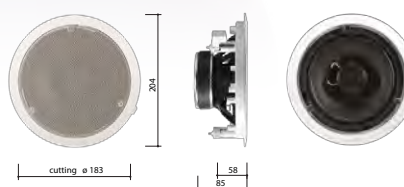
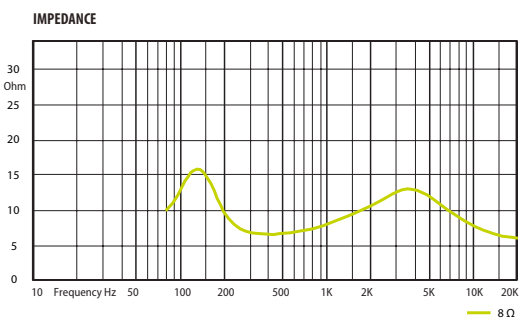
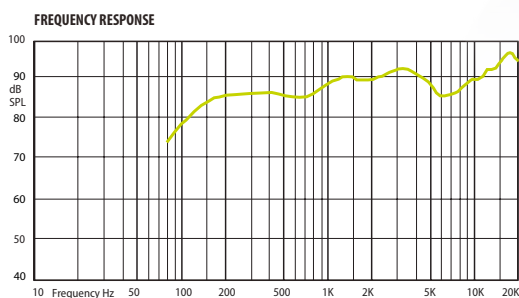
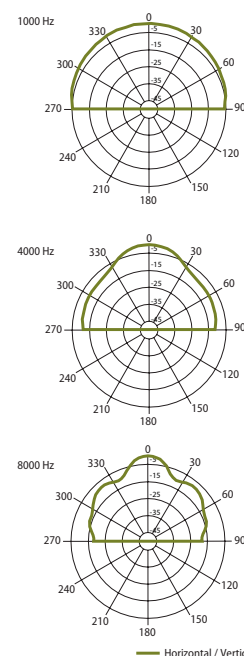
PC 6

These specially designed speakers are ideal for back ground music with a high SPL. The enclosures are assembled using high quality materials and coupled to a very high quality coaxial speaker. Used in environments where excellent sound quality and a high SPL is required: bars, restaurants, modern shops.

The clear and neutral design of this enclosure loudspeaker allows it to blend into any interior.



HORIZONTAL / VERTICAL POLAR DIAGRAMS



| Technical Specifications | PC 6 |
|--------------------------|---|
| Rated power | 50 W (8 Ω) |
| Sensitivity | 90 dB (1 W/1 m) |
| Maximum SPL | 109 dB (Pmax/1 m) at 2638 Hz |
| Frequency response | 80 Hz – 20 kHz |
| Dispersion at 1000 Hz | 180° conical |
| Driver dimensions | 6" (152mm) woofer, 1,25" (32mm) tweeter |
| Dimensions | ∅ 204 mm x 85 mm |
| Weight | 1,4 kg |
| Material | Housing - ABS plastic, grill - steel |
| Colour | White (RAL 9016) |



SERVE A RICH SOUND

PC 6HP | Speakers

A beautifully designed, rimless ceiling speaker, for superior background sound reproduction in top class establishments such as stores, hotels and offices.

Simple. Reliable. Profitable.

www.amcpro.eu

CEILING LOUDSPEAKERS

PC Low Impedance Ceiling Loudspeakers

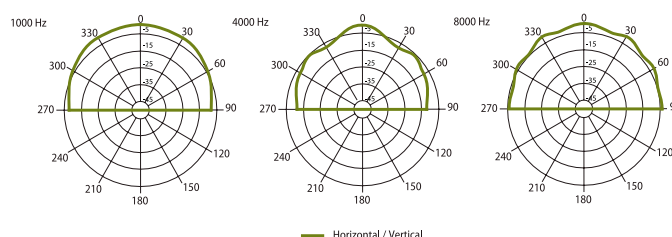
High performance coaxial ceiling loudspeakers

PC 6 HP

PC 6HP high performance 8 Ω ceiling loudspeakers for low impedance background music systems. Metall grill with magnetic fixing are specially made with extra slim plastic edge in order to make minimum intervention to interior. Adjustable silk tweeters angle allow precisely match high frequency performance in any living area and let you to choose your preferred kind of high frequency sound: directly or reflected. PC 6HP are specially made without 100V transformers for the excellent clear and dynamic sound. These 35W coaxial loudspeakers can be quickly and simply installed into false ceilings by using four points fastening system. PC 6HP is a strong and powerful sound reproduction loudspeaker that has almost unlimited applications for home background music, as well for public spaces where high quality background music needed.

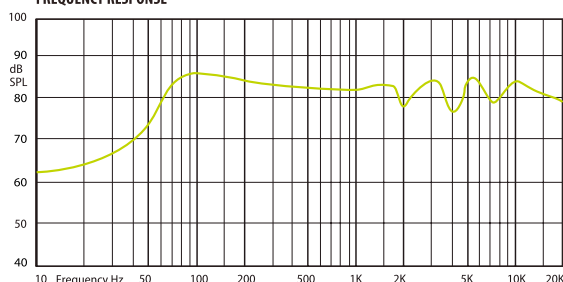


HORIZONTAL / VERTICAL POLAR DIAGRAMS

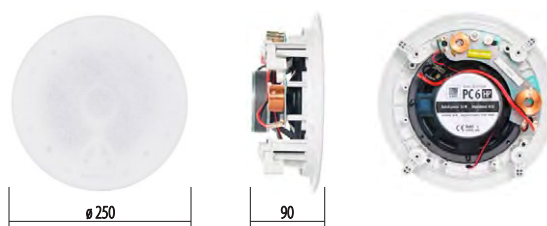
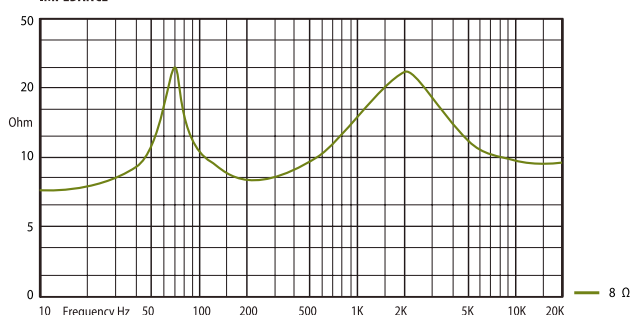


— Horizontal / Vertical

FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | PC 6 HP |
|--------------------------|----------------------------------|
| Rated power | 35 W |
| Impedance | 8 Ω |
| Sensitivity | 86 dB (1 W/1 m) |
| Maximum SPL | 102 dB (Pmax / 1m) |
| Frequency response | 75 Hz - 20 kHz |
| Dispersion at 1000 Hz | 150° conical |
| Driver dimensions | 6,5" (165 mm) |
| Dimensions | Ø 250 mm x 90 mm |
| Weight | 7 kg |
| Material | Housing - plastic, grill - steel |
| Colour | White (RAL 9016) |

CEILING LOUDSPEAKERS

PCR Rimless Plastic Ceiling Loudspeakers

ABS plastic ceiling loudspeakers for low impedance audio.

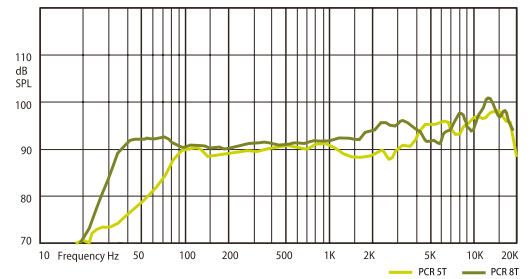
PCR 5 & PCR 8

Loudspeaker coil is specially made 16 ohm in order to use more speakers in one chain.

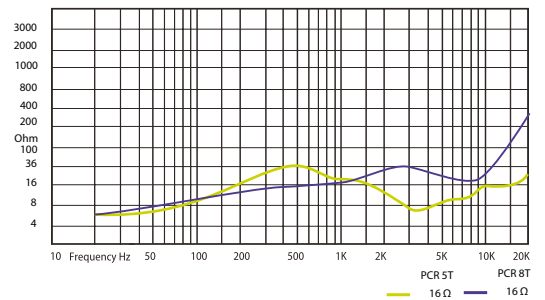
16 ohm allows connect two speakers in parallel and have 8ohm load, or connect even 4 and use system with 4ohm professional audio amplifier or stereo receiver.



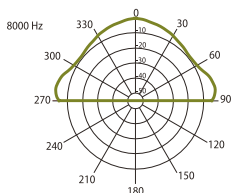
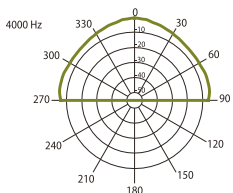
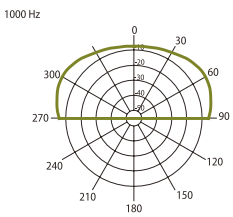
FREQUENCY RESPONSE



IMPEDANCE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



— Horizontal / Vertical



| | PCR 5 | PCR 8 |
|-----------------------|---|---|
| Rated power | 25 W (16 Ω) | 35 W (16 Ω) |
| Sensitivity | 89 dB (1W/1 m) | 90 dB (1W/1 m) |
| Maximum SPL | 101dB (Pmax/1 m) at 15694 Hz | 105 dB (Pmax/1 m) at 15249 Hz |
| Frequency response | 80 Hz – 20 kHz | 60 Hz – 20 kHz |
| Dispersion at 1000 Hz | 120° conical | 120° conical |
| Driver dimensions | 5" (130 mm) woofer, 0,5" (13 mm) tweeter, coaxial | 8" (200 mm) woofer, 0,5" (13 mm) tweeter, coaxial |
| Dimensions | Ø 200 mm × 70 mm | Ø 250 mm × 95 mm |
| Weight | 0.85 kg | 1.4 kg |
| Material | Plastic, Steel grill | Plastic, Steel grill |
| Colour | White (RAL 9016) | White (RAL 9016) |

CEILING LOUDSPEAKERS

PCR Rimless Plastic Ceiling Loudspeakers

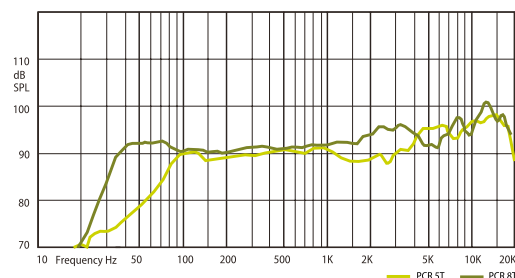
ABS plastic ceiling loudspeakers with built-in 100V transformer.

PCR 5T & PCR 8T

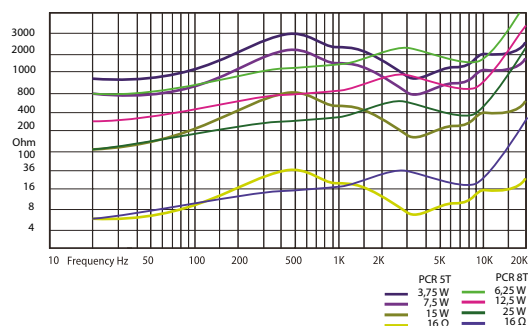
Excellent coaxial speakers for improved sound quality with new rimless enclosure design. Rimless grill with magnetic grill fixings lets easily and quickly install into false ceilings. Minimalistic design approved for sensitive interiors.



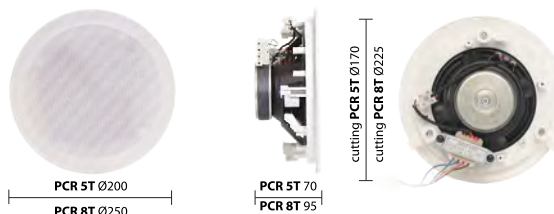
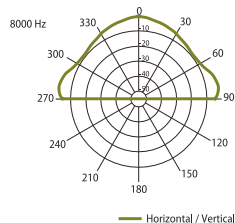
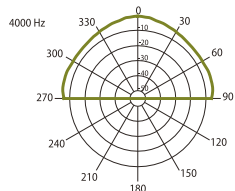
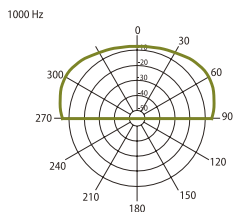
FREQUENCY RESPONSE



IMPEDANCE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



| | PCR 5T | PCR 8T |
|------------------------|---|---|
| Rated power | 25 W (16 Ω) | 35 W (16 Ω) |
| Transformer power taps | 15 W - 7,5 W - 3,75 W | 25 W - 12,5 W - 6,25 W |
| Sensitivity | 89 dB (1 W/1 m) | 90 dB (1 W/1 m) |
| Maximum SPL | 101dB (Pmax/1 m) at 15694 Hz | 105 dB (Pmax/1 m) at 15249 Hz |
| Frequency response | 80 Hz – 20 kHz | 60 Hz – 20 kHz |
| Dispersion at 1000 Hz | 120° conical | 120° conical |
| Driver dimensions | 5" (130 mm) woofer, 0,5" (13 mm) tweeter, coaxial | 8" (200 mm) woofer, 0,5" (13 mm) tweeter, coaxial |
| Dimensions | ø 200 mm × 70 mm | ø 250 mm × 95 mm |
| Weight | 1,1 kg | 1,7 kg |
| Material | Plastic, Steel grill | Plastic, Steel grill |
| Colour | White (RAL 9016) | White (RAL 9016) |

CEILING LOUDSPEAKERS

PC Plastic Ceiling Loudspeakers

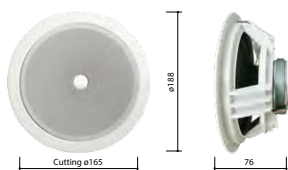
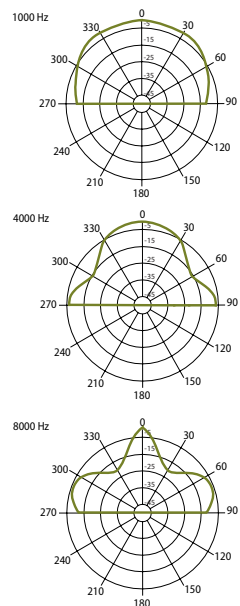
PC - plastic ceiling loudspeakers with built-in 100V transformer.

PC 6T

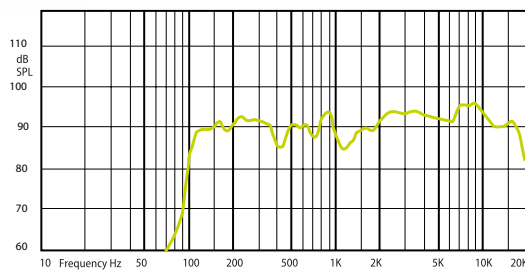
Cost effective ABS plastic loudspeaker. Designed to be quickly and simply installed into false ceilings.
Cost saving solution for PA systems where large amount of speakers is required. Excellent full range loudspeaker for systems where combination of background music and voice announcements are required.



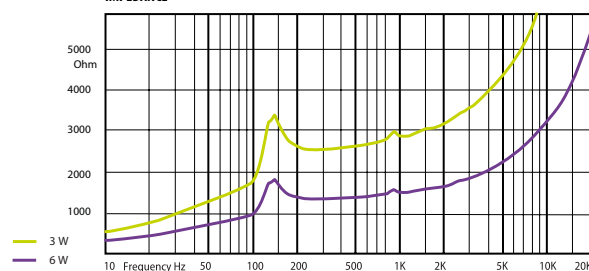
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | PC 6T |
|--------------------------|----------------------|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W |
| Sensitivity | 93 dB (1 W/1 m) |
| Maximum SPL | 100 dB (Pmax/1 m) |
| Frequency response | 100 Hz – 15 kHz |
| Dispersion at 1000 Hz | 180° conical |
| Driver dimensions | 6" (152 mm) |
| Dimensions | ø 188 mm x 76 mm |
| Weight | 0,7 kg |
| Material | Plastic, Steel grill |
| Colour | White (RAL 9016) |

CEILING LOUDSPEAKERS

PC Plastic Ceiling Loudspeakers

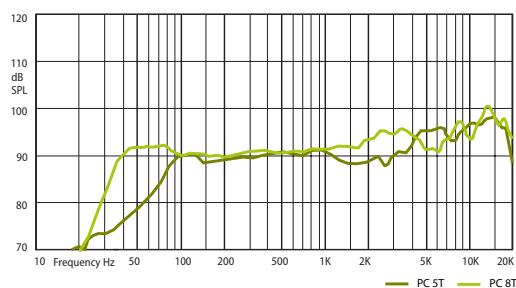
PC - plastic ceiling loudspeakers with built-in 100V transformer.

PC 5T & PC 8T

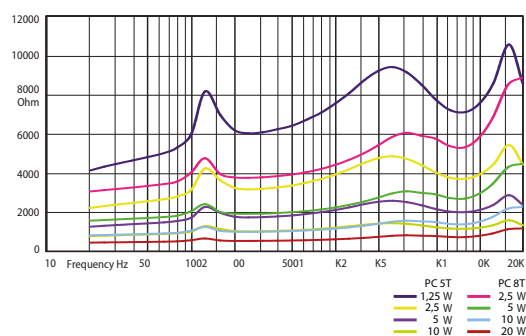
These units provide an excellent full range of clear sound reproduction. Used where a combination of high quality background music and public address is required. The loudspeakers are designed to be quickly and simply installed into false ceilings and are equipped with coaxial speakers for improved sound quality.



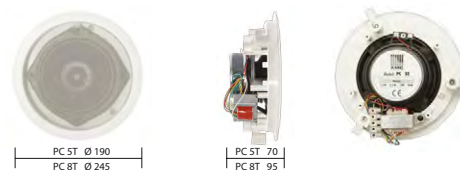
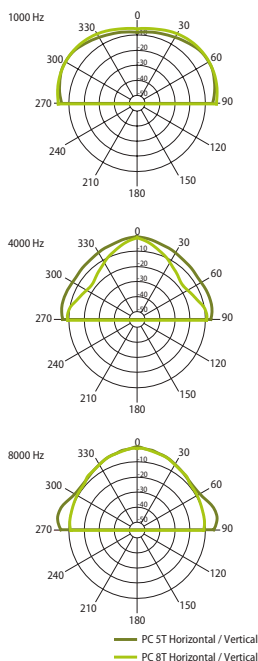
FREQUENCY RESPONSE



IMPEDANCE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



| Technical Specifications | PC 5T | PC 8T |
|--------------------------|---|---|
| Rated power | 10 W | 20 W |
| Transformer power taps | 10 W - 5 W - 2.5 W - 1.25 W | 20 W - 10 W - 5 W - 2.5 W |
| Sensitivity | 88 dB (1 W/1 m) | 88 dB (1 W/1 m) |
| Maximum SPL | 98 dB (Pmax/1 m) at 15694 Hz | 101 dB (Pmax/1 m) at 15249 Hz |
| Frequency response | 90 Hz – 20 kHz | 80 Hz – 20 kHz |
| Dispersion at 1000 Hz | 120° conical | 120° conical |
| Driver dimensions | 5" (130 mm) woofer, 0.5" (13 mm) tweeter, coaxial | 8" (130 mm) woofer, 0.5" (13 mm) tweeter, coaxial |
| Dimensions | ø 190 mm x 70 mm | ø 245 mm x 95 mm |
| Weight | 1.1 kg | 2.1 kg |
| Material | Plastic, Steel grill | Plastic, Steel grill |
| Colour | White (RAL 9016) | White (RAL 9016) |



Sound
to **Dive in**



Simple. Reliable. Profitable.

WEATHERPROOF CEILING LOUDSPEAKERS

PC Plastic Ceiling Loudspeakers

Plastic ceiling loudspeakers with integrated 100 V line transformer and plastic dome.

PC 3WP

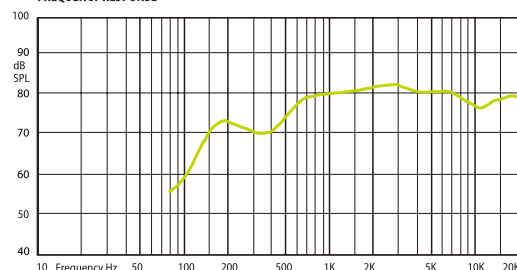
The PC 3WP plastic weatherproof loudspeaker has a plastic dome and a high quality 3" speaker inside. While small in size this 6 W speaker delivers perfect clarity across the full range. The PC 3WP is mainly used in public spaces, where ceilings are relatively low and interiors are sensitive to any kind of external influence Ideal for paging and background music applications



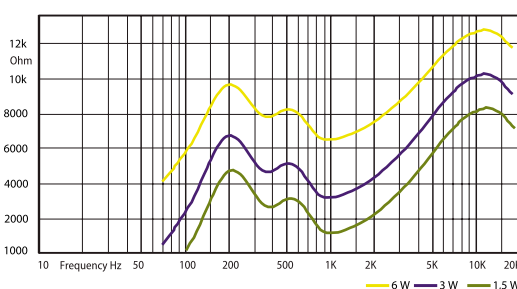
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | PC 3WP |
|--------------------------|-------------------------------|
| Rated power | 6 W |
| Transformer power taps | 6 W - 3 W - 1,5 W |
| Sensitivity | 81 dB (1 W / 1 m) |
| Maximum SPL | 91 dB (Pmax / 1 m) at 2420 Hz |
| Frequency response | 150 Hz - 20 kHz |
| Dispersion at 1000 Hz | 180° conical |
| Driver dimensions | 3" (76 mm) |
| Protections | IP54 |
| Dimensions | Ø115 mm x 90 mm |
| Weight | 385 g |
| Material | Plastic, steel grill |
| Colour | White (RAL 9016) |

WEATHERPROOF CEILING LOUDSPEAKERS

WP Low Impedance Ceiling Loudspeakers

Weatherproof ceiling loudspeakers

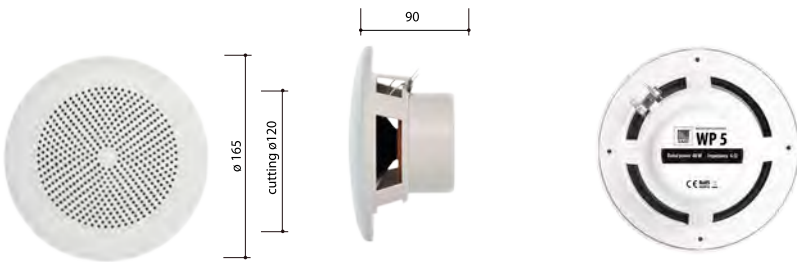
WP 5 & WP 6

WP 5 & WP 6 ceiling loudspeakers - unique combination of clear sound and special design of weatherproofness. Incredibly reliable, durable and universal WP5 & WP6 are 5 and 6 inch two way loudspeakers with plastic speaker membrane, moisture isolated magnet and speaker coil. These loudspeakers are designed for installations in the hard climate conditions and extremely moisture environments. Loudspeaker has removable plastic grill which hides speakers mounting screws and enclosure looks elegant when mounted in ceilings. Designed for low impedance systems. These loudspeakers are ideal solution for background music in SPA centers, indoor pools, showers, sauna and ships.

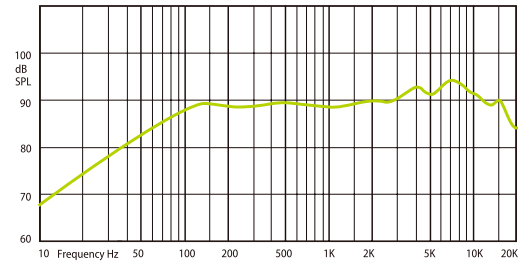


| Technical specifications | WP 5 | WP 6 |
|--------------------------|---|---|
| Rated power | 40 W | 50 W |
| Impedance | 4 Ω | 4 Ω |
| Sensitivity | 89 dB (1 W/1 m) | 90 dB (1 W/1 m) |
| Maximum SPL | 105 dB (Pmax/1 m) | 106 dB (Pmax/1 m) |
| Frequency response | 80 Hz - 20 kHz | 70 Hz - 20 kHz |
| Dispersion at 1000 Hz | 120° conical | 120° conical |
| Driver dimensions | 5" (130 mm) woofer, 0,5" (13 mm) tweeter, coaxial | 6" (152 mm) woofer, 0,5" (13 mm) tweeter, coaxial |
| Dimensions | ø 165 mm x 90 mm | ø 191 mm x 100 mm |
| Weight | 0,8 kg | 1 kg |
| Material | Plastic | Plastic |
| Colour | White (RAL 9016) | White (RAL 9016) |

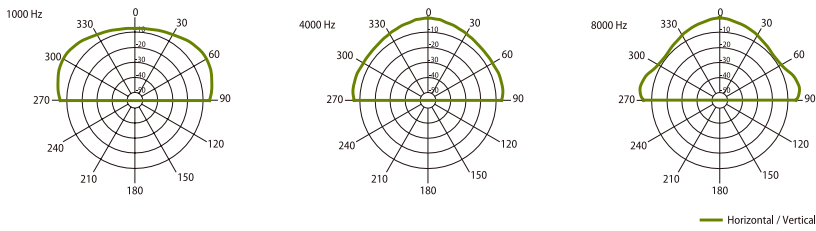
WP 5



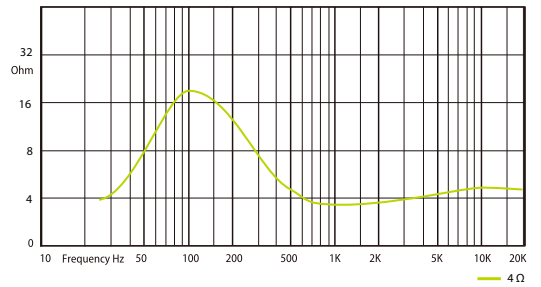
WP 5 FREQUENCY RESPONSE



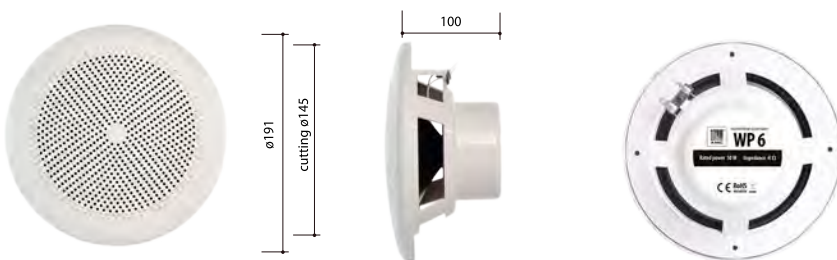
HORIZONTAL / VERTICAL POLAR DIAGRAMS



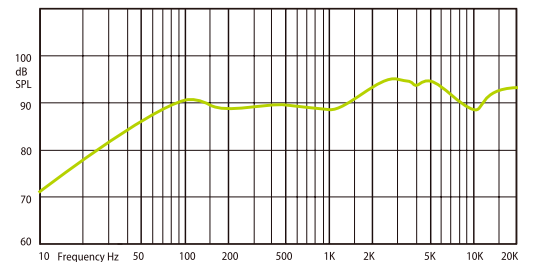
IMPEDANCE



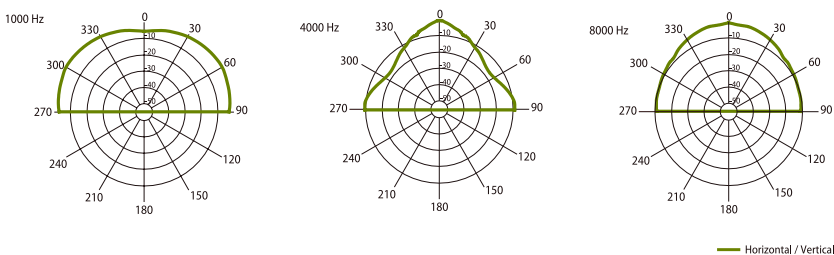
WP 6



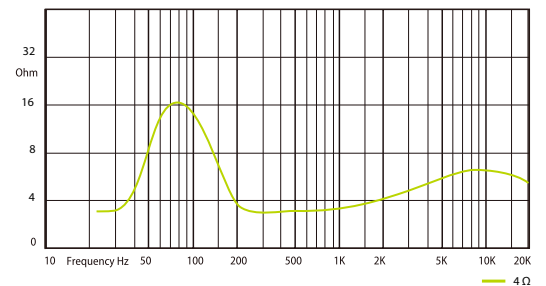
WP 6 FREQUENCY RESPONSE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



IMPEDANCE



COLUMN LOUDSPEAKERS

COM HP High Performance Column Loudspeakers

COM HP aluminum body high performance outdoor column loudspeakers.

COM 20HP & COM 30HP

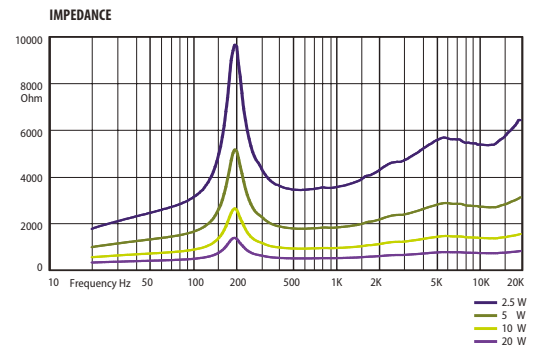
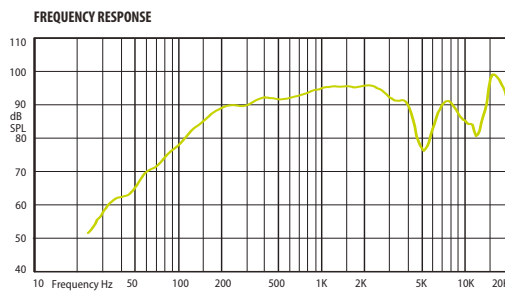
Wide frequency response and high SPL loudspeakers. Special bracket for precise speaker mounting.
 Typical application: railway stations, subways, churches, factory buildings, warehouses, parking lots, open air spaces.



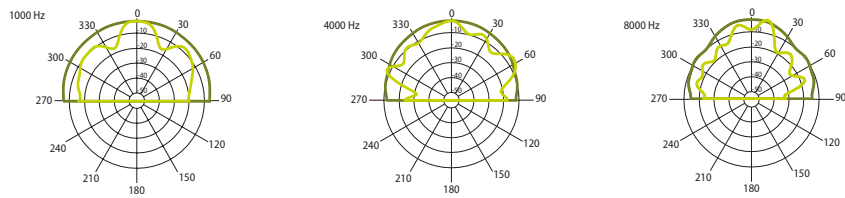
| Technical Specifications | COM 20 HP |
|--------------------------|---|
| Rated power | 20 W |
| Transformer power taps | 20 W - 10 W - 5 W - 2,5 W |
| Sensitivity | 92 dB (1 W/1 m) |
| Maximum SPL | 110 dB (Pmax/1 m) at 14125 Hz |
| Frequency response | 120 Hz – 20 kHz |
| Dispersion at 1000 Hz | 180° (H), 80° (V) |
| Protection | IP 66 |
| Dimensions | 585 mm × 125 mm x 110 mm |
| Driver dimensions | 4 x 3,5" (88 mm) woofer, 0,8" (20 mm) tweeter |
| Weight | 5 kg |
| Material | Aluminum |
| Colour | White (RAL 9016) |

| COM 30 HP |
|---|
| 30 W |
| 30 W - 15 W - 7,5 W - 3,75 W |
| 94 dB (1 W/1 m) |
| 112 dB (Pmax/1 m) at 11220 Hz |
| 110 Hz – 20 kHz |
| 180° (H), 70° (V) |
| IP 66 |
| 775 mm × 125 mm x 110 mm |
| 6 x 3,5" (88 mm) woofer, 0,8" (20 mm) tweeter |
| 7 kg |
| Aluminum |
| White (RAL 9016) |

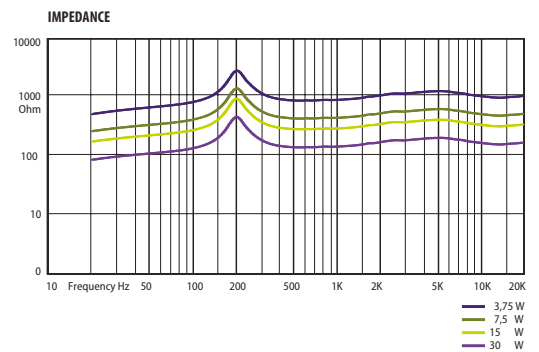
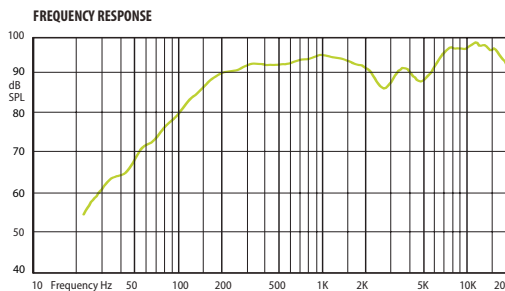
COM 20HP



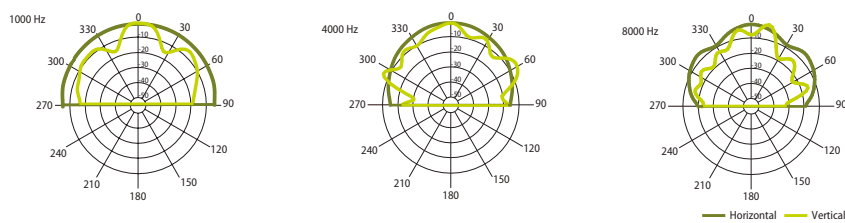
HORIZONTAL / VERTICAL POLAR DIAGRAMS



COM 30HP



HORIZONTAL / VERTICAL POLAR DIAGRAMS



COLUMN LOUDSPEAKERS

COM Weatherproof Column Loudspeakers

COM aluminum body outdoor column loudspeakers.

COM 20 & COM 40

Wide frequency response and high sensitivity loudspeakers are ideal for speech and background music reproduction in large areas, where a simple and reliable solution is needed. Can be used in heavy weather conditions.

COM 20 is manufactured with two 5"(127 mm) full range speakers, **COM 40** has four 5"(127 mm) full range speakers.

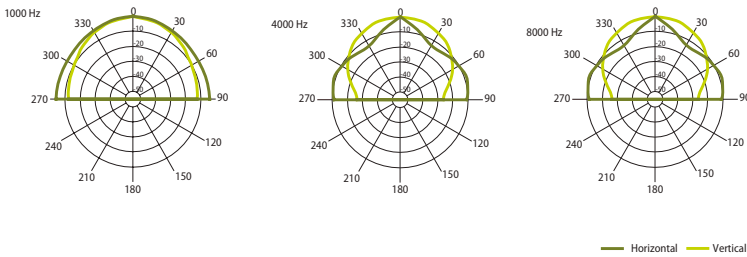


| Technical Specifications | COM 20 | COM 40 |
|--------------------------|------------------------------|------------------------------|
| Rated power | 20 W | 40 W |
| Transformer power taps | 20 W - 10 W | 40 W - 20 W |
| Sensitivity | 92 dB (1 W/1 m) | 94 dB (1 W/1 m) |
| Maximum SPL | 105 dB (Pmax/1 m) at 1179 Hz | 110 dB (Pmax/1 m) at 1113 Hz |
| Frequency response | 100 Hz – 15 kHz | 100 Hz – 15 kHz |
| Dispersion at 1000 Hz | 180° (H), 150° (V) | 180° (H), 150° (V) |
| Protection | IP 54 | IP 54 |
| Dimensions | 378 mm × 151 mm x 125 mm | 618 mm × 151 mm x 125 mm |
| Driver dimensions | 2 x 5" (127 mm) | 4 x 5" (127 mm) |
| Weight | 2,9 kg | 4,7 kg |
| Material | Aluminum | Aluminum |
| Colour | Grey (RAL 7038) | Grey (RAL 7038) |

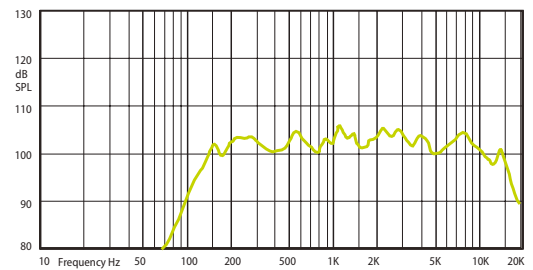
COM 20



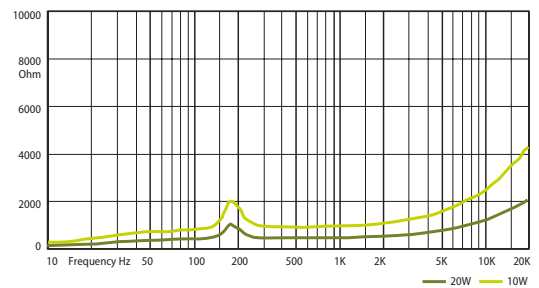
HORIZONTAL / VERTICAL POLAR DIAGRAMS



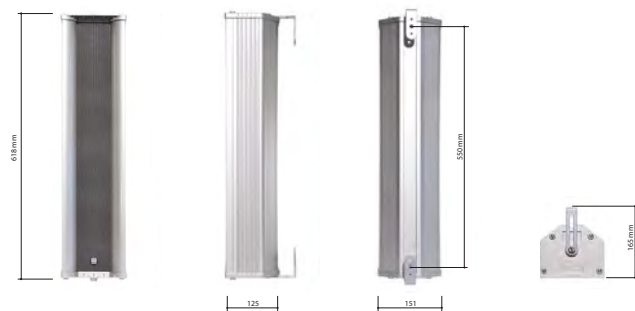
FREQUENCY RESPONSE



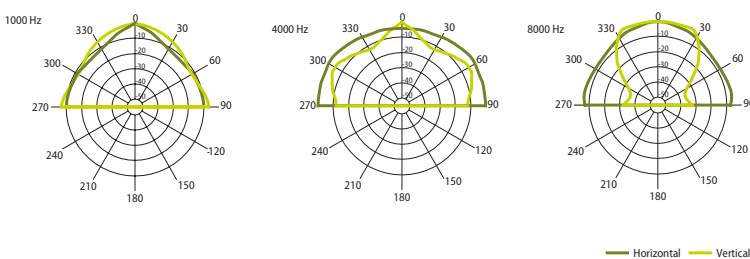
IMPEDANCE



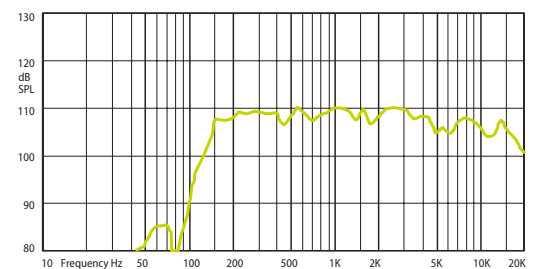
COM 40



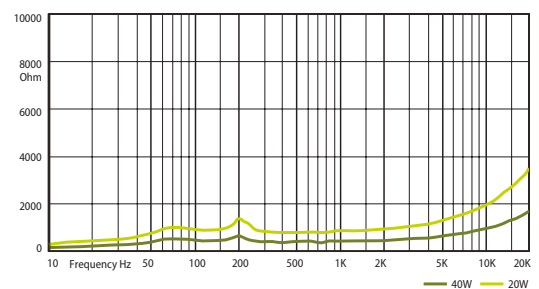
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



COLUMN LOUDSPEAKERS

COM Weatherproof Column Loudspeaker

COM aluminium body outdoor column loudspeakers.

COM 320 & COM 340

Wide frequency response and high sensitivity loudspeakers are used for speech and background music reproduction in large areas. Typical application: railway stations, subways, churches, factory buildings, warehouses and outdoor parking areas. Mainly designed for outdoor areas. **COM 320** utilises two 3" (76.2 mm) full range speakers and one 1" (25 mm) tweeter, **COM 340** has four 3" (76.2 mm) full range speakers and one 1" (25 mm) tweeter.

| Technical Specifications | COM 320 |
|--------------------------|---|
| Rated power | 20 W |
| Transformer power taps | 20 W - 10 W |
| Sensitivity | 89 dB (1 W/1 m) |
| Maximum SPL | 105 dB (Pmax/1 m) at 2440 Hz |
| Frequency response | 135 Hz – 20 kHz |
| Dispersion at 1000 Hz | 180° (H), 80° (V) |
| Protection | IP 66 |
| Dimensions | 370 mm × 110 mm x 97 mm |
| Driver dimensions | 2 x 3" (76,2 mm) woofer, 1,5" (38,1 mm) tweeter |
| Weight | 2,6 kg |
| Material | Aluminum |
| Colour | White (RAL 9016) |

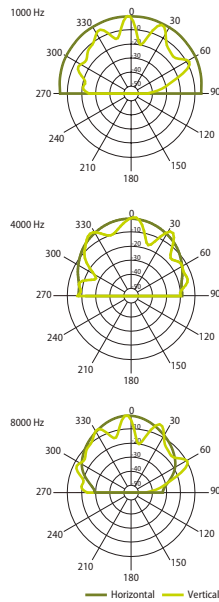
| Technical Specifications | COM 340 |
|--------------------------|---|
| Rated power | 40 W |
| Transformer power taps | 40 W - 20 W |
| Sensitivity | 90 dB (1 W/1 m) |
| Maximum SPL | 107 dB (Pmax/1 m) at 13335 Hz |
| Frequency response | 135 Hz – 20 kHz |
| Dispersion at 1000 Hz | 180° (H), 50° (V) |
| Protection | IP 66 |
| Dimensions | 545 mm × 110 mm x 97 mm |
| Driver dimensions | 4 x 3" (76,2 mm) woofer, 1,5" (38,1 mm) tweeter |
| Weight | 3,6 kg |
| Material | Aluminum |
| Colour | White (RAL 9016) |



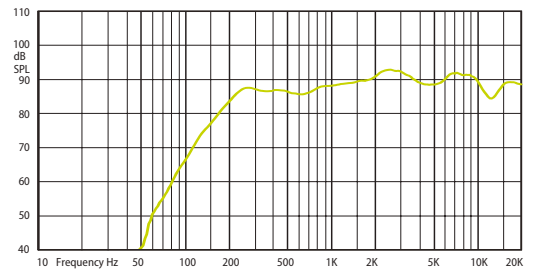
COM 320



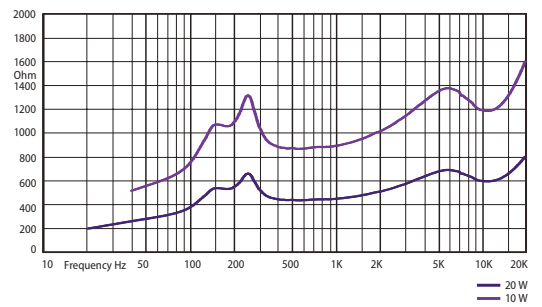
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



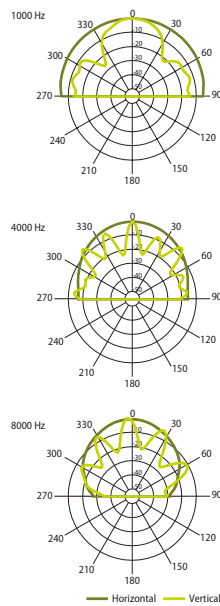
IMPEDANCE



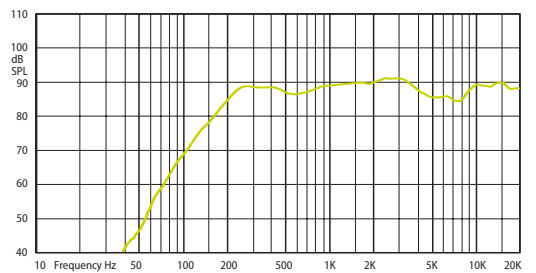
COM 340



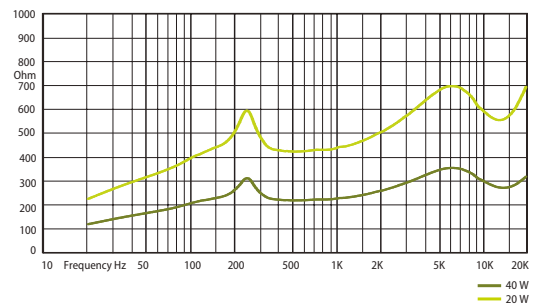
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



COLUMN LOUDSPEAKERS

COM Weatherproof Column Loudspeakers

COM aluminium body outdoor column loudspeakers

COM 420 & COM 440

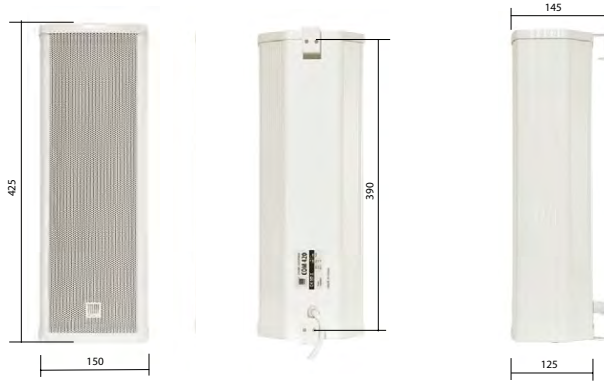
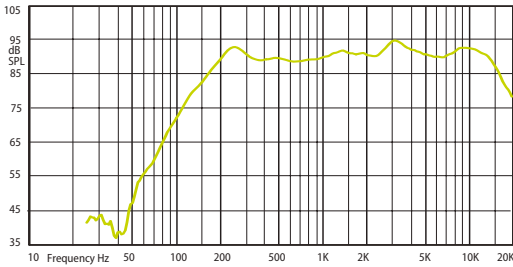
Wide frequency response and high sensitivity loudspeakers are used for speech and background music reproduction in large areas. Typical application: railway stations, subways, churches, factory buildings, warehouses and outdoor parking areas. Mainly designed for use in outdoor areas. **COM 420** has built-in two 4"(101.2 mm) full range speakers and one 1"(25 mm) tweeter, **COM 440** uses four 4"(101.2 mm) full range speakers and one 1"(25 mm) tweeter.



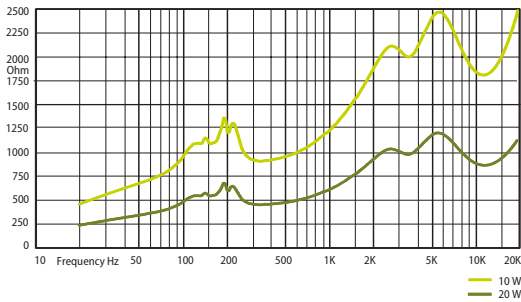
| Technical Specifications | COM 420 | COM440 |
|--------------------------|--|---|
| Rated power | 20 W | 40 W |
| Transformer power taps | 20 W - 10 W | 40 W - 20 W |
| Sensitivity | 91 dB (1 W/1 m) | 92 dB (1 W/1 m) |
| Maximum SPL | 108 dB (Pmax/1 m) at 2900 Hz | 110 dB (Pmax/1 m) at 8414 |
| Frequency response | 120 Hz – 20 kHz | 120 Hz – 20 kHz |
| Dispersion at 1000 Hz | 180° (H), 60° (V) | 180° (H), 140° (V) |
| Protection | IP 66 | IP 66 |
| Dimensions | 425 mm × 150 mm x 125 mm | 655 mm × 150 mm x 125 mm |
| Driver dimensions | 2 x 4" (101,2 mm) woofer, 1" (25,4 mm) tweeter | 4 x 4" (76,2 mm) woofer, 1" (25,4 mm) tweeter |
| Weight | 3,9 kg | 5,9 kg |
| Material | Aluminum | Aluminum |
| Colour | White (RAL 9016) | White (RAL 9016) |

COM 420

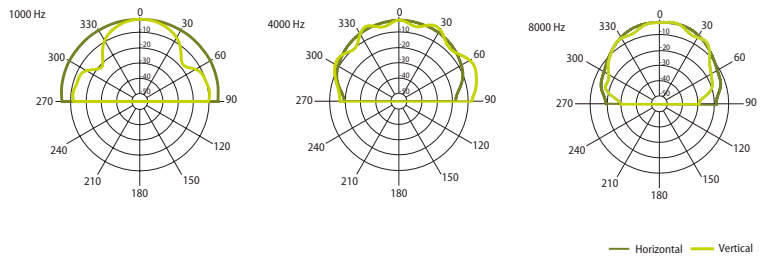
FREQUENCY RESPONSE



IMPEDANCE

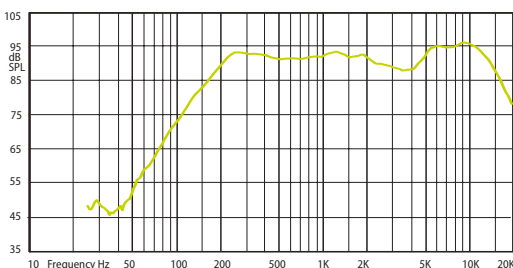


HORIZONTAL / VERTICAL POLAR DIAGRAMS

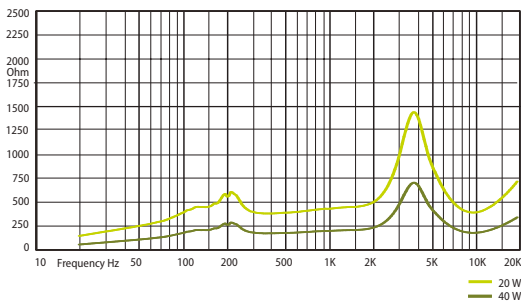


COM 440

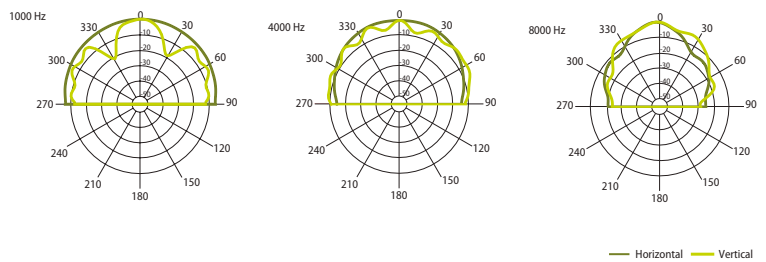
FREQUENCY RESPONSE



IMPEDANCE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



COLUMN LOUDSPEAKERS
COM SLIM Column Loudspeakers

Ultra slim aluminum body column loudspeakers

COM SLIM

Slim body loudspeakers, designed for use in the areas with high reverberation time, like churches, train stations or market halls. The special mounting bracket is designed for precise angle alignment after installation. The speakers have an elegant design for very neutral appearance in the sensitive interiors.

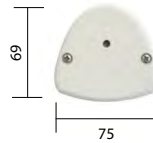
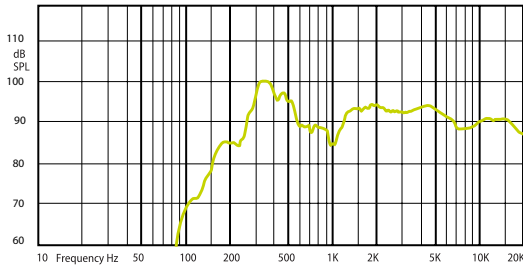
| Technical Specifications | COM SLIM 50 |
|--------------------------|--|
| Rated power | 50 W |
| Transformer power taps | 50 W - 25 W - 12,5 W - 20 Ω |
| Sensitivity | 91 dB (1W/1m) |
| Maximum SPL | 108 dB (Pmax / 1m) |
| Frequency response | 180 Hz - 18 kHz |
| Dispersion at 1000 Hz | 180° (H), 70° (V) |
| Protection | IP 55 |
| Driver dimensions | 10 x 2" (51 mm) woofer, 1 x 1" (25 mm) tweeter |
| Dimensions | 802 mm x 75 mm x 69 mm |
| Weight | 3,5 kg |
| Material | Aluminum |
| Colour | White (RAL 9016) |

| Technical Specifications | COM SLIM 30 |
|--------------------------|---|
| Rated power | 30 W |
| Transformer power taps | 30 W - 15 W - 7,5 W - 8 Ω |
| Sensitivity | 91 dB (1W/1m) |
| Maximum SPL | 108 dB (Pmax / 1m) at 1995 Hz |
| Frequency response | 180 Hz - 18 kHz |
| Dispersion at 1000 Hz | 140° (H), 80° (V) |
| Protection | IP 55 |
| Driver dimensions | 4 x 2" (50 mm) woofer, 1 x 1" (25 mm) tweeter |
| Dimensions | 405 mm x 75 mm x 69 mm |
| Weight | 1,7 kg |
| Material | Aluminum |
| Colour | White (RAL 9016) |

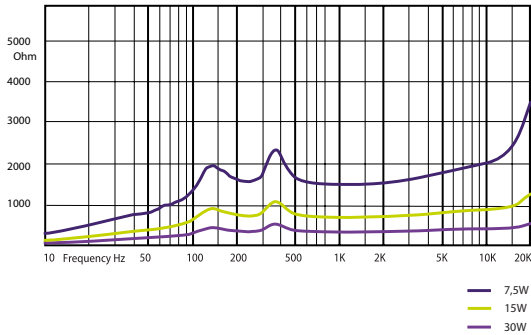


COM SLIM 30

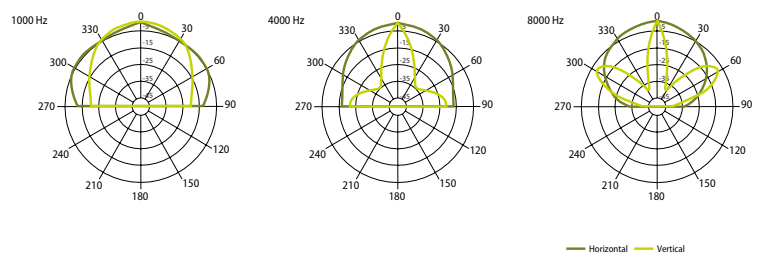
FREQUENCY RESPONSE



IMPEDANCE

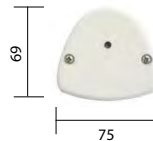
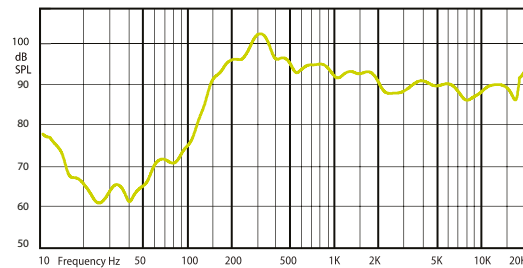


HORIZONTAL / VERTICAL POLAR DIAGRAMS

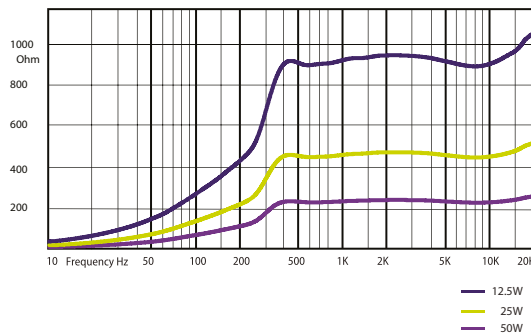


COM SLIM 50

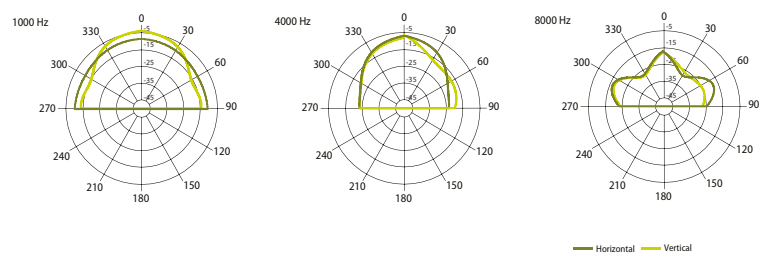
FREQUENCY RESPONSE



IMPEDANCE



HORIZONTAL / VERTICAL POLAR DIAGRAMS





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HORN LOUDSPEAKERS

H Aluminium Body Horn Loudspeakers

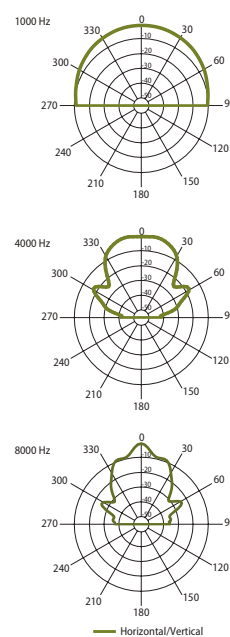
H 15 aluminium body outdoor 15 W horn speaker with integrated 100 V line transformer.

H 15

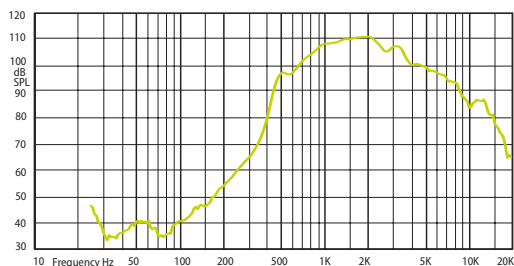
Traditional design, robust construction and high SPL mean these horn speakers are ideal for use in large and medium-size public address and voice evacuation systems, where a high efficiency of speech announcements is required. Specific frequency bandwidth and high SPL makes them ideal for use in noisy environments



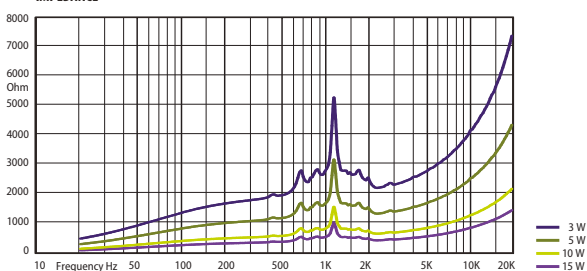
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | H 15 |
|---------------------------------|----------------------------------|
| Rated power | 15 W |
| Transformer power taps at 100 V | 15 W - 10 W - 5 W - 3 W |
| Sensitivity | 103 dB (1 W/ 1 m) |
| Maximum SPL | 118 dB (Pmax / 1 m) at 1631 Hz |
| Frequency response | 400 Hz – 8 kHz |
| Dispersion at 1000 Hz | 140° conical |
| Driver dimensions | 2" (50mm) |
| Protections | IP 65 |
| Dimensions | ø200 mm x 241 mm |
| Weight | 1,3 Kg |
| Material | Aluminum horn and U type bracket |
| Colour | White (RAL 9018) |

HORN LOUDSPEAKERS

HQ Plastic Horn Loudspeakers

HQ - reliable and powerful outdoor horn loudspeaker.

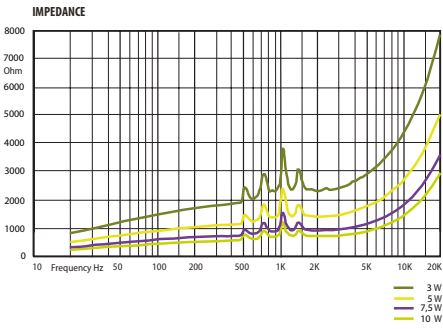
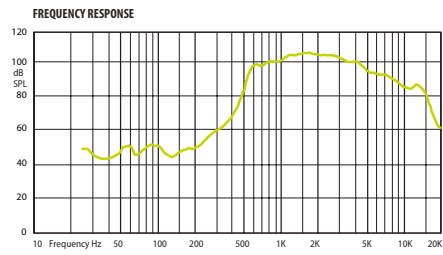
HQ10, HQ15 & HQ30

Improved quality plastic horn speakers with extremely high SPL and a powerful middle range frequency response. Well suited for indoor and outdoor installation. For voice evacuation and paging systems. With U-mounting bracket.

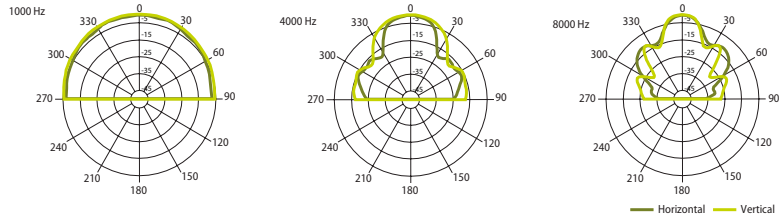


| Technical Specifications | HQ 10 | HQ 15 | HQ 30 |
|--------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| Rated power | 10 W | 15 W | 30 W |
| Transformer power taps | 10 W - 5 W | 15 W - 7,5 W | 30 W - 15 W |
| Sensitivity | 103 dB (1 W/1 m) | 105 dB (1 W/1 m) | 105 dB (1 W/1 m) |
| Maximum SPL | 116 dB (Pmax/1 m) at 1412 Hz | 117 dB (Pmax/1 m) at 1815 Hz | 120 dB (Pmax/1 m) at 1249 Hz |
| Frequency response | 500 Hz – 8 kHz | 400 Hz – 5 kHz | 400 Hz – 6 kHz |
| Dispersion at 1000 Hz | 140° (H), 90° (V) | 140° (H), 90° (V) | 140° (H), 90° (V) |
| Protection | IP 65 | IP 66 | IP 66 |
| Dimensions | 190 mm × 180 mm x 130 mm | 222 mm × 162 mm x 232 mm | 285 mm × 280 mm x 205 mm |
| Weight | 1,1 kg | 1,4 kg | 1,8 kg |
| Material | Plastic horn, U type steel bracket | ABS plastic, U type steel bracket | ABS plastic, U type steel bracket |
| Colour | White (RAL 9018) | White (RAL 9018) | White (RAL 9018) |

HQ 10

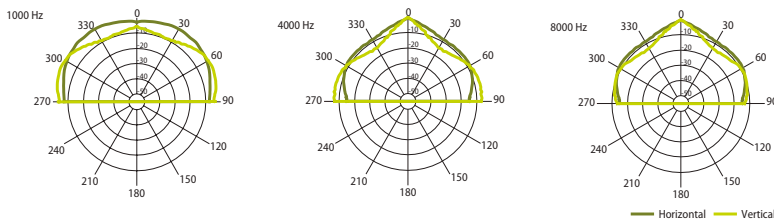


HORIZONTAL / VERTICAL POLAR DIAGRAMS

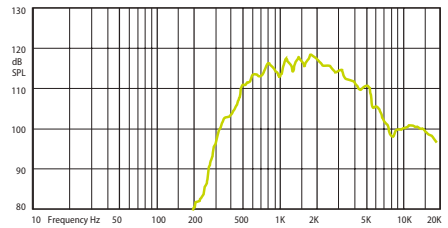


HQ 15

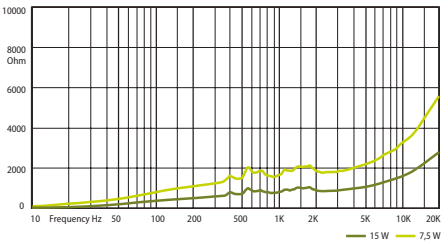
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE

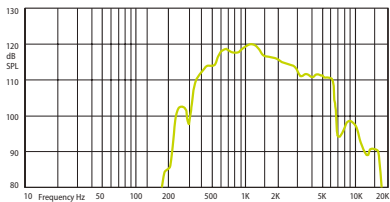


IMPEDANCE

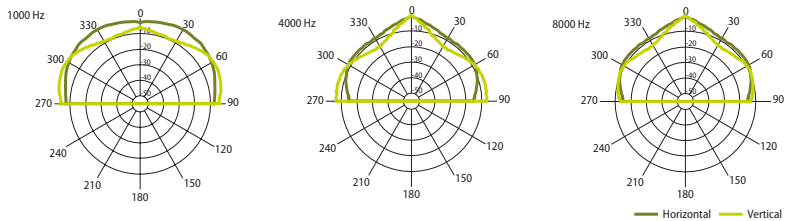


HQ 30

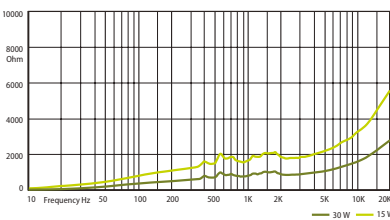
FREQUENCY RESPONSE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



IMPEDANCE



HORN LOUDSPEAKERS

MH Two-Way Plastic Horn Loudspeakers

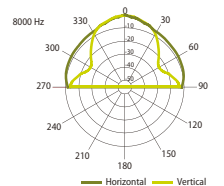
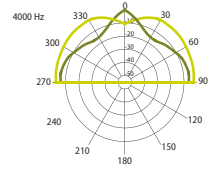
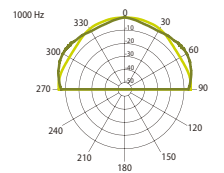
Waterproof horn loudspeaker with extremely wide frequency response and high SPL level.

MH 50

Wide frequency response allows this speaker to be used for background music. Built-in 100V transformer with power taps and 8Ω input selection, grey colour body, U-mount included. For indoor and outdoor use, where background music is a priority.

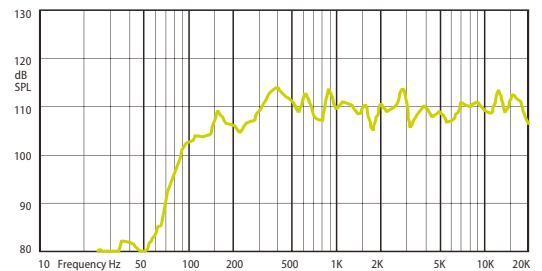


HORIZONTAL / VERTICAL POLAR DIAGRAMS

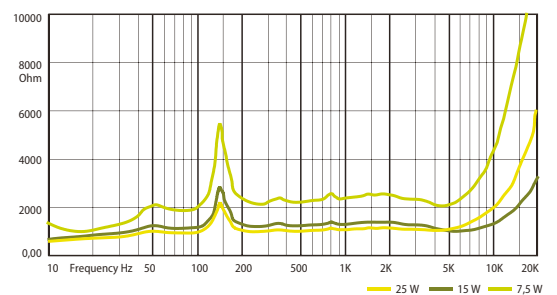


— Horizontal — Vertical

FREQUENCY RESPONSE



IMPEDANCE



| | MH 50 |
|------------------------|--------------------------------------|
| Rated power | 50 W (8 Ω) |
| Transformer power taps | 50 W - 25 W - 12,5 W - 8 Ω |
| Sensitivity | 99 dB (1 W/1 m) |
| Maximum SPL | 115 dB (Pmax/1 m) at 2715 Hz |
| Frequency response | 90 Hz – 20 kHz |
| Dispersion at 1000 Hz | 150° (H), 120° (V) |
| Protection | IP 55 |
| Dimensions | 363 mm × 253 mm x 310 mm |
| Weight | 3,9 kg |
| Material | ABS plastic, U type aluminum bracket |
| Colour | Cold grey (RAL 7035) |

HORN LOUDSPEAKERS

MHQ Two-Way Plastic Horn Loudspeakers

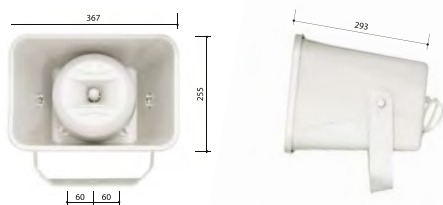
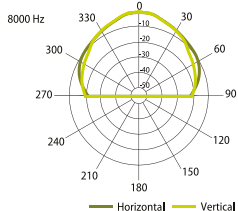
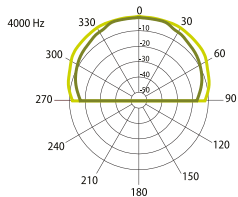
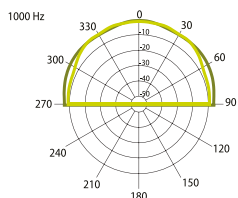
Music horn loudspeaker with wide frequency response and improved protection against water and dust.

MHQ 60X

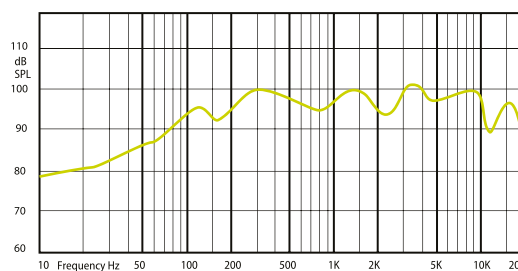
2-way plastic music horn loudspeakers with high SPL and improved linearity. Engineered to provide the highest quality music and speech reproduction, where long throw in large areas is required.

MHQ is a reliable and powerful horn speaker with built-in 100V transformer with power taps.

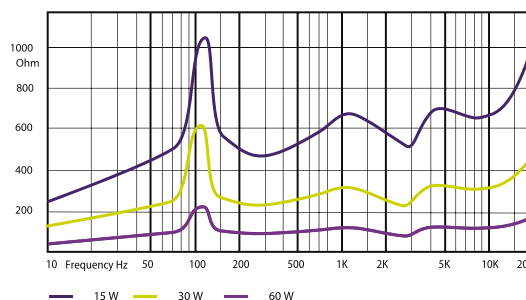
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | MHQ 60X |
|--------------------------|--------------------------------------|
| Rated power | 60 W |
| Transformer power taps | 60 W - 30 W - 15 W |
| Sensitivity | 93 dB (1 W/1 m) |
| Maximum SPL | 115 dB (Pmax/1 m) at 1496 Hz |
| Frequency response | 98 Hz – 18 kHz |
| Dispersion at 1000 Hz | 120° (H), 80° (V) |
| Protection | IP 66 |
| Dimensions | 367 mm x 255 mm x 293 mm |
| Weight | 6,2 kg |
| Material | ABS plastic, U-type aluminum bracket |
| Colour | Light grey (RAL 7035) |

POWERED CABINET LOUDSPEAKERS
POWER BOX Powered Systems

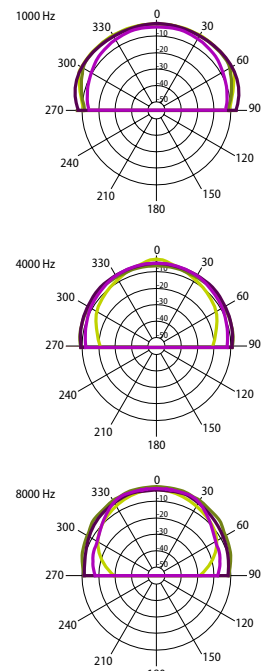
Powered small size speaker boxes for installed sound applications.

POWER BOX 51 & 61

Power Box 51 & 61 are two way loudspeaker systems, consisting of loudspeaker with built-in stereo amplifier and second non-powered loudspeaker ready to connect to the active one with Euroblock connector. High efficiency D-class power amplifier. U-brackets for mounting on walls or ceiling.

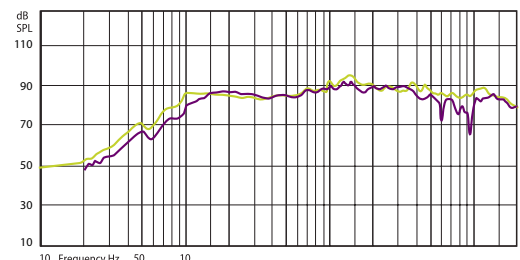


HORIZONTAL / VERTICAL POLAR DIAGRAMS

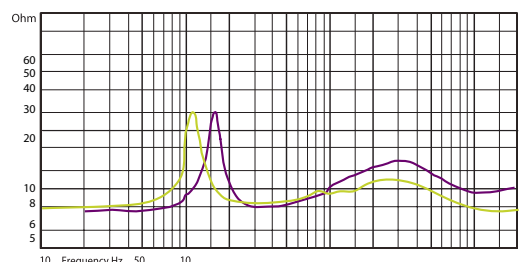


Power Box 51 — Horizontal — Vertical
 Power Box 61 — Horizontal — Vertical

FREQUENCY RESPONSE



IMPEDANCE



— Power Box 51 — Power Box 61

| Technical Specifications | POWER BOX 61 | POWER BOX 51 |
|--------------------------|---|---------------------------------|
| Rated power | 2 x 30 W | 2 x 20 W |
| Frequency response | 80 Hz - 20 kHz | 120 Hz - 20 kHz |
| Sensitivity | 88 dB (1W / 1m) | |
| Maximum SPL | 95 dB (Pmax/1m) at 1000Hz | 91 dB (Pmax/1m) at 1000Hz |
| Input sensitivity | 580 mV | 300 mV |
| Dispersion 1000 Hz | 120° (H), 140°(V) | 130° (H), 150°(V) |
| Speakers size | 6" woofer, 1" tweeter | 5" woofer, 1" tweeter |
| Tone | Bass ± 12 dB, Treble ± 12 dB | |
| Dimensions | 302 mm x 196 mm x 193 mm | 252 mm x 163 mm x 163 mm |
| Weight | Active - 5 kg, passive - 3,2 kg | Active - 4 kg, passive - 2,2 kg |
| Material | Housing - plastic, grill - aluminum and U-bracket - steel | |
| Colour | White RAL 9016, Black RAL 9017 | |

POWERED CABINET LOUDSPEAKERS
POWER BOX 5HP Powered Systems

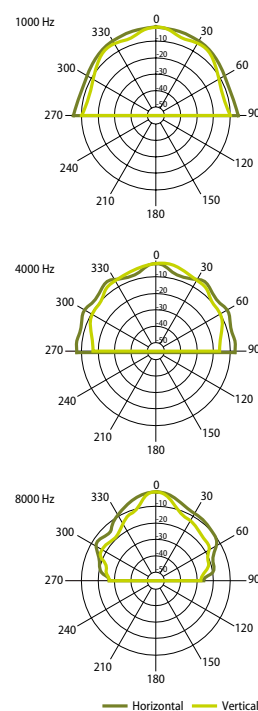
Powered small size speaker boxes for installed sound applications.

POWER BOX 5HP

Power Box 5HP is high performance active speaker system with the amplifier built into the main speaker, while other one loudspeaker is passive and connected as a slave unit. For production of these speakers have been used high quality materials. Bass, treble and volume control with direct access on the loudspeakers rear. U-bracket for mounting on the wall and IR remote control are included. This system is a good choice for small installations in classrooms and for use in communication and paging systems.

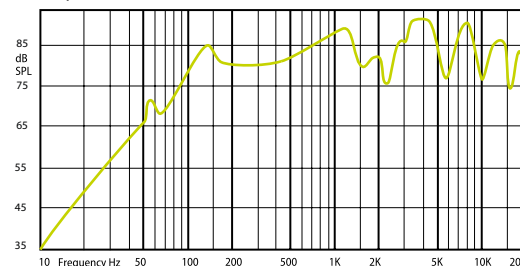


HORIZONTAL / VERTICAL POLAR DIAGRAMS

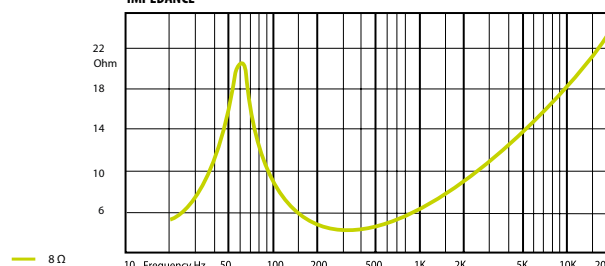


| Technical Specifications | POWER BOX 5HP |
|--------------------------|--|
| Rated power | 2 x 20 W |
| Equalization | 2 bands EQ \pm 14 dB |
| Sensitivity | 85 dB (1W / 1m) |
| Maximum SPL | 98 dB (Pmax / 1m) at 4097 Hz |
| Frequency response | 115 Hz - 20 kHz |
| Input sensitivity | -3 dBu |
| Speakers impedance | 6 Ω |
| Dispersion 1000 Hz | 120° (H), 100°(V) |
| Driver dimensions | 5" (127 mm) woofer, 1" (25 mm) tweeter |
| Dimensions | 230 mm x 145 mm x 145 mm |
| Weight | 3,45 kg |
| Material | Housing - plastic, U type mounting bracket - steel |
| Colour | White (RAL 9003) |

FREQUENCY RESPONSE



IMPEDANCE



POWERED CABINET LOUSPEAKERS

POWER BOX 5 Powered Systems

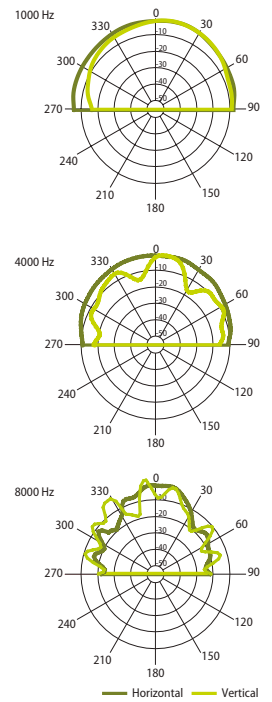
Powered small size speaker boxes for installed sound applications.

POWER BOX 5

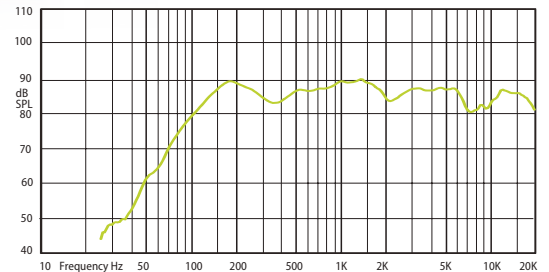
Power Box 5 is a set of 2 loudspeakers: a powered loudspeaker with a built-in stereo amplifier and a non-powered loudspeaker ready to be connected to the powered loudspeaker. 5.25" woofer and 1" tweeter, tone control, stereo/mono switch. U-mounting bracket is included in the set. Perfect choice for small installations in a classroom, or for communication and paging systems. Available in two colours: RAL9016 (white) and RAL9017 (black).



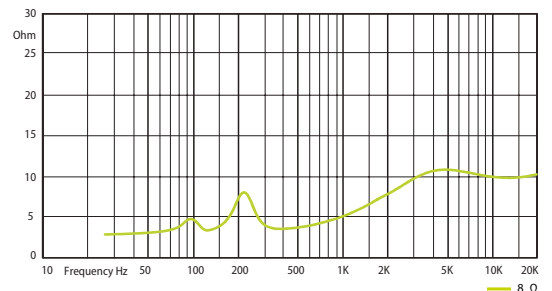
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | POWER BOX 5 |
|------------------------------|--|
| Rated power | 2 x 20 W |
| Equalization | 2 bands EQ \pm 14 dB |
| Sensitivity | 87 dB (1 W/1 m) |
| Maximum SPL | 104 dB (Pmax/1 m) at 1258 Hz |
| Amplifier frequency response | 80 Hz – 20 kHz |
| Input sensitivity | -7 dBu |
| Speakers impedance | 8 Ω |
| Dispersion | 160° (H), 120° (V) |
| Driver dimensions | 5,25" (133 mm) woofer, 1" (24 mm) tweeter |
| Dimensions | 240 mm x 178 mm x 170 mm |
| Weight | 6 kg |
| Material | Housing - plastic, grill and U-bracket - steel |
| Colour | White (RAL 916) Black (RAL 9017) |

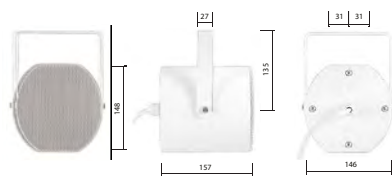
SOUND PROJECTORS

SPM HP High Performance Sound Projectors

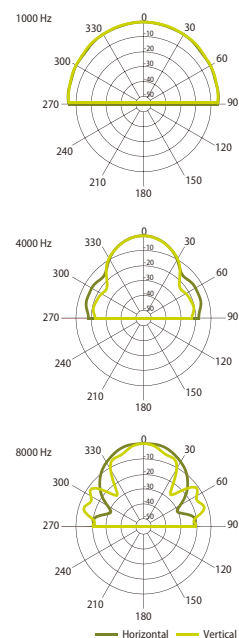
SPM HP – aluminium body outdoor sound projectors with integrated 100 V line transformer.

SPM 20HP

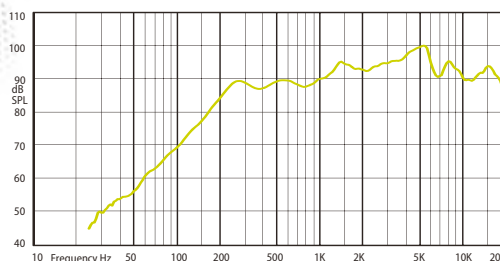
Featuring a robust and solid aluminium body construction, full range speaker and a built-in 100 V line transformer with power taps. IP66 rated for use in heavy weather conditions. This sound projector is the ideal choice for outdoor applications, where background music is a priority.



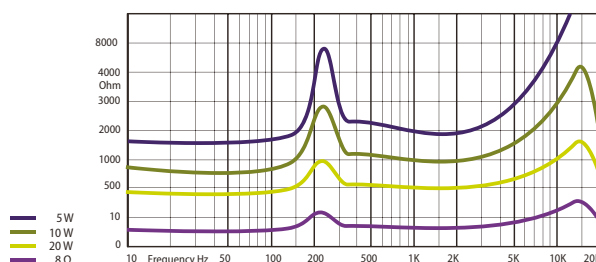
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| | SPM 20HP |
|------------------------|------------------------------|
| Rated power | 20 W |
| Transformer power taps | 20 W - 10 W - 5 W - 8 Ω |
| Sensitivity | 94 dB (1 W/1 m) |
| Maximum SPL | 109 dB (Pmax/1 m) at 5158 Hz |
| Frequency response | 130 Hz – 20 kHz |
| Dispersion at 1000 Hz | 180° conical |
| Protection | IP 66 |
| Dimensions | 146 mm × 148 mm × 157 mm |
| Driver dimensions | 5" (127 mm) |
| Weight | 3,6 kg |
| Material | Aluminum |
| Colour | White (RAL 9016) |

SOUND PROJECTORS

SP Plastic Body Sound Projectors

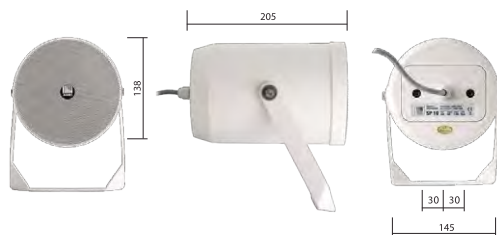
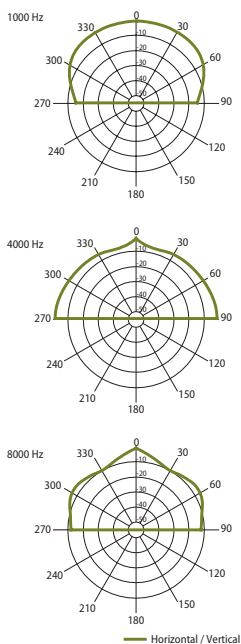
Advanced design sound projectors with built-in 100V line transformer.

SP 10

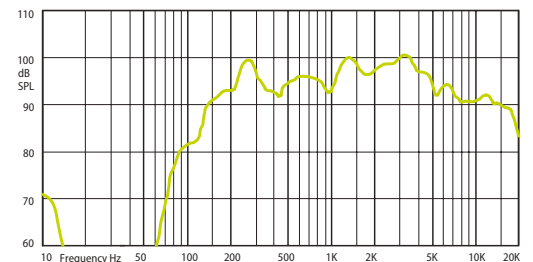
SP 10 is a plastic bodied sound projector used to provide high quality sound reproduction for music and speech, IP55 rated for heavy environmental conditions. For use in supermarkets, warehouses, factory buildings, railway stations, car parking areas and pools, wherever clear, high-quality directional sound is required.



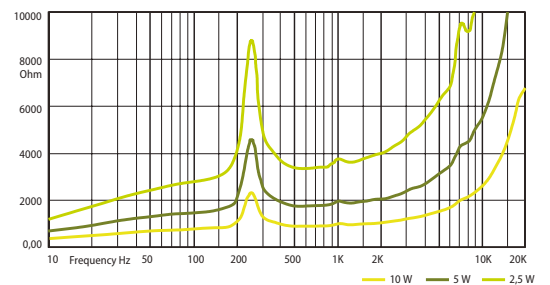
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | SP 10 |
|--------------------------|------------------------------------|
| Rated power | 10 W |
| Transformer power taps | 10 W - 5 W - 2,5 W |
| Sensitivity | 91 dB (1 W/1 m) |
| Maximum SPL | 101 dB (Pmax/1 m) at 3227 Hz |
| Frequency response | 130 Hz – 15 kHz |
| Dispersion at 1000 Hz | 130° conical |
| Protection | IP 55 |
| Dimensions | ø 138 mm × 205 mm |
| Weight | 1,6 kg |
| Material | ABC plastic, stainless U bracket |
| Colour | White (RAL 9016), black (RAL 9017) |

SOUND PROJECTORS

SPMB Bidirectional Aluminum Sound Projectors

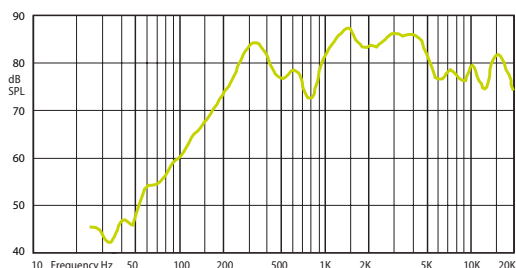
SPMB bidirectional sound projector with integrated 100V line transformer.

SPMB 10

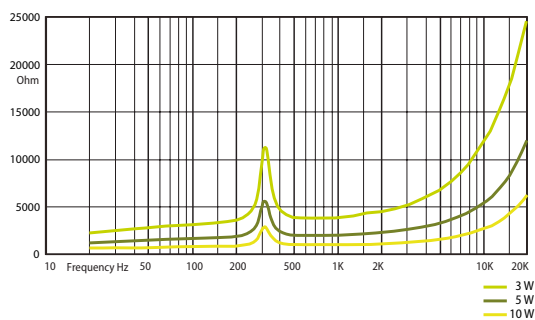
Aluminium body, 10W power sound projector loudspeaker with ceiling mounting bracket. 130Hz – 15kHz frequency response. Designed for use in music and speech reproduction applications. SPMB 10 has two built-in 5”(127 mm) full range speakers.



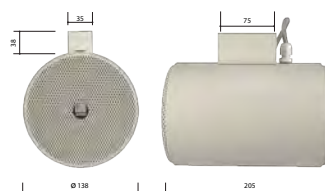
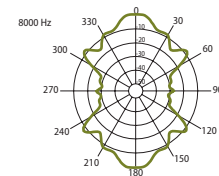
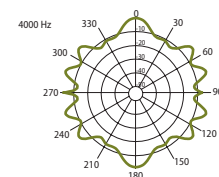
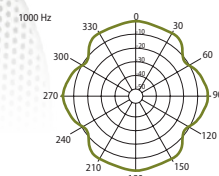
FREQUENCY RESPONSE



IMPEDANCE



HORIZONTAL / VERTICAL POLAR DIAGRAMS



| Technical Specifications | SPMB 10 |
|---------------------------------|------------------------------|
| Rated power | 10 W |
| Transformer power taps at 100 V | 10 W - 5 W - 3 W |
| Sensitivity | 88 dB (1 W/1 m) |
| Maximum SPL | 101 dB (Pmax/1 m) at 1223 Hz |
| Frequency response | 180 Hz – 18 kHz |
| Dispersion at 1000 Hz | 90° conical |
| Driver dimensions | 5" (127mm) |
| Protections | IP 55 |
| Dimensions | ø 138 mm x 205 mm |
| Weight | 2,7 Kg |
| Material | Aluminum |
| Colour | White (RAL 9018) |

SOUND PROJECTORS

SPM Aluminum Sound Projectors

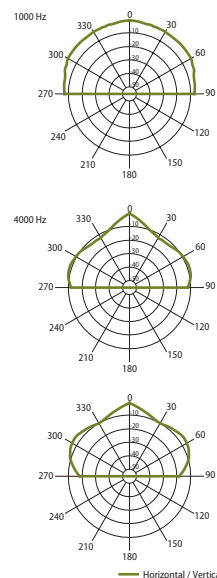
SPM aluminum body sound projector for outdoor use with integrated 100V line transformer.

SPM 20

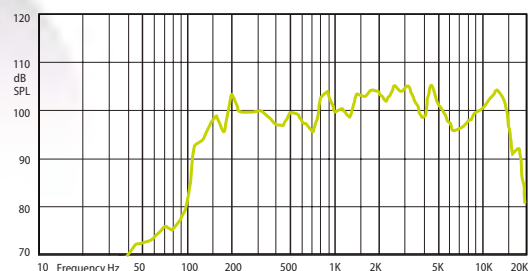
Robust and solid aluminium body construction with built-in full range speaker, 100V transformer with power taps, IP55 rated. This sound projector is ideal for use in supermarkets, warehouses, factory buildings, railway stations, car parking areas, petrol stations and pools. Ideal for outdoor use.



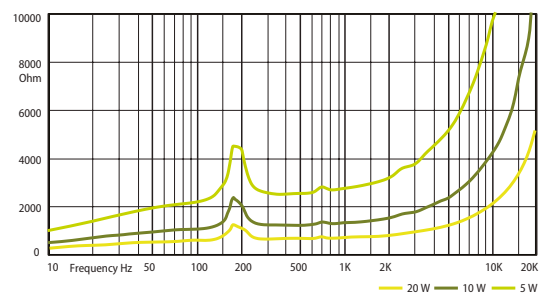
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | SPM 20 |
|--------------------------|-------------------------------|
| Rated power | 20 W |
| Transformer power taps | 20 W - 10 W - 5 W |
| Sensitivity | 92 dB (1 W/1 m) |
| Maximum SPL | 105 dB (Pmax/1 m) at 3135 Hz |
| Frequency response | 130 Hz – 15 kHz |
| Dispersion at 1000 Hz | 140° conical |
| Protection | IP 55 |
| Dimensions | ø 138 mm × 205 mm |
| Weight | 2,2 kg |
| Material | Aluminum, stainless U bracket |
| Colour | White papyrus (RAL 9018) |



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SPHERICAL LOUDSPEAKERS

SL Plastic Spherical Loudspeakers

SL modern and stylish apherical loudspeakers with built-in 100 V line transformer.

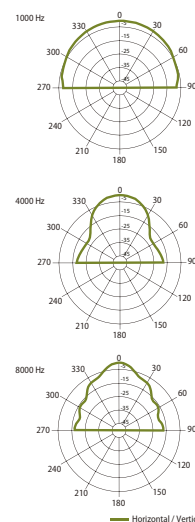
SL 20M

SL 20M – omni-directional speaker device for applications that require uniform sound distribution. Unique and simple design for modern interiors. Excellent sound dispersion, smooth frequency response and carefully controlled speaker performance to use in difficult acoustic environments. ideal for rooms with high ceilings.

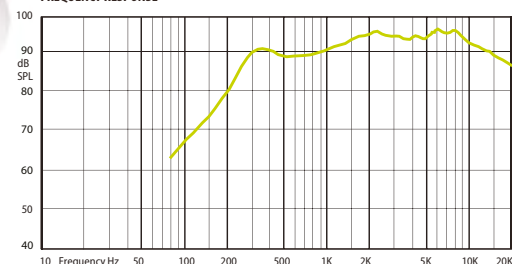
For additional safety, a wire rope is integrated into the hanging cable.



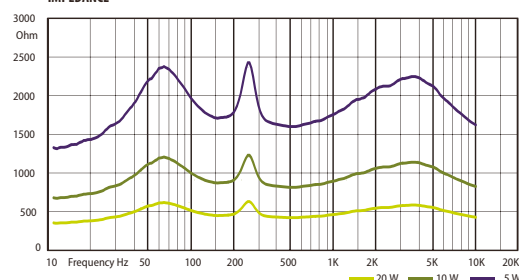
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | SL 20M |
|--------------------------|--|
| Rated power | 20 W |
| Transformer power taps | 20 W - 10 W - 5 W |
| Sensitivity | 93 dB (1 W/1 m) |
| Maximum SPL | 112 dB (Pmax/1 m) at 5415 Hz |
| Frequency response | 180 Hz – 20 kHz |
| Dispersion at 1000 Hz | 160° conical |
| Driver dimensions | 6" (158 mm) woofer × 1" (25 mm) tweeter |
| Dimensions | ø 210 mm x 2000 mm |
| Weight | 1,7 kg |
| Material | ABS plastic housing, grill - metal |
| Colour | White (RAL 9016), Black (RAL 9017), Chrome inserts |



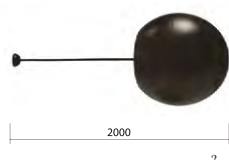
SPHERICAL LOUDSPEAKERS

SL Plastic Spherical Loudspeakers

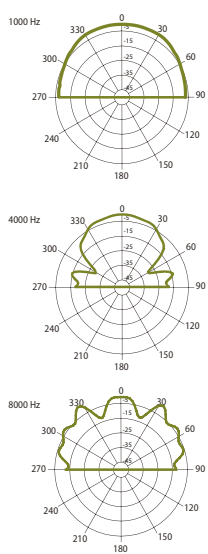
SL modern and stylish apherical loudspeakers with built-in 100 V line transformer.

SL 30

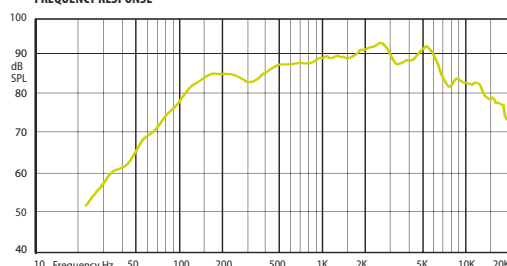
SL 30 – a plastic 30 W spherical loudspeaker for background music and speech reproduction in large areas with high ceilings. Coaxial 6.5" (165 mm) speaker with built-in 100 V transformer with power selector and 8 Ω input. Wide frequency response, 160° conical sound dispersion. For additional safety, a wire rope is integrated into the hanging cable. Available in two colors: White (RAL 9016) and Black (9017).



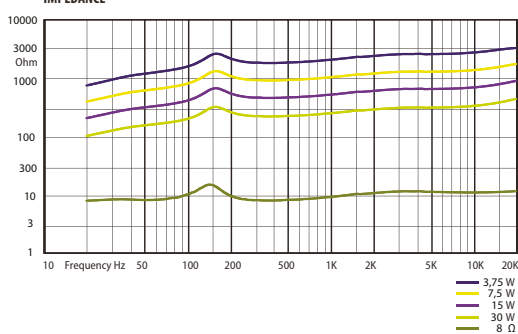
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | SL 30 |
|--------------------------|---|
| Rated power | 30 W (8 Ω) |
| Transformer power taps | 30 W - 15 W - 7,5 W - 3,75 W |
| Sensitivity | 89 dB (1 W/1 m) |
| Maximum SPL | 108 dB (Pmax/1 m) at 2511 Hz |
| Frequency response | 100 Hz - 20 kHz |
| Dispersion at 1000 Hz | 160° conical |
| Driver dimensions | 6,5" (165 mm) woofer x 1" (24 mm) tweeter |
| Dimensions | ø 275 mm x 2000 mm |
| Weight | 3 kg |
| Material | ABS plastic housing, grill - metal |
| Colour | White (RAL 9016), Black (RAL 9017) |

SUBWOOFERS

SUB 100V Passive Subwoofers

Passive subwoofers with built-in 100V line transformer.

SUB 100V

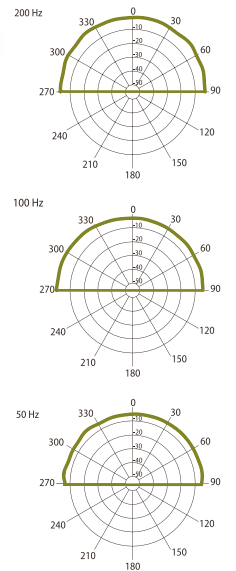
SUB 100V passive subwoofer for 100V loudspeaker systems. Designed for easy mounting on flat surfaces: walls or ceilings.

Built-in high quality 100V transformer with input power selection allows directly connection to 100V loudspeaker lines.

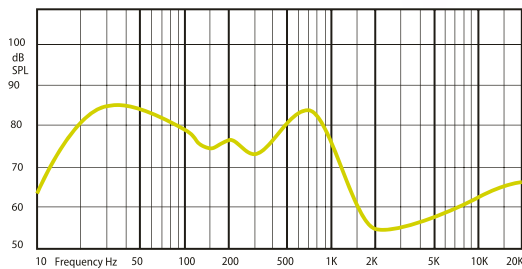
Wooden cabinet with 8" woofer, low pass filter, 100V line power selector and low impedance input. SUB 100V sharply increase low frequency performance in background music systems.



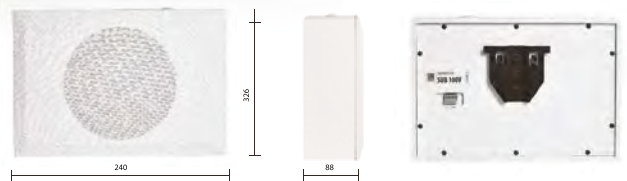
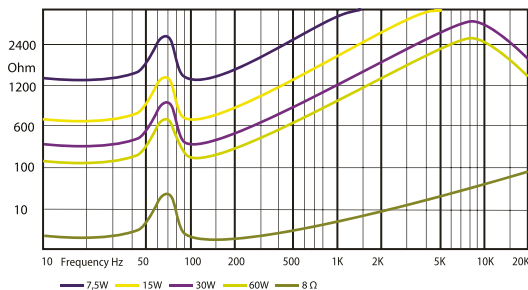
HORIZONTAL / VERTICAL POLAR DIAGRAMS



FREQUENCY RESPONSE



IMPEDANCE



| Technical Specifications | SUB 100V |
|--------------------------|---|
| Rated power | 60 W |
| Transformer power taps | 60 W - 30 W - 15 W - 7,5 W - 4 Ω |
| Sensitivity | 82 dB (1W / 1m) |
| Maximum SPL | 100 dB (Pmax / 1m) at 80 Hz |
| Frequency response | 40 Hz - 1 kHz |
| Dispersion 100 Hz | 180° conical |
| Driver dimensions | 8" (205 mm) |
| Dimensions | 326 mm x 240 mm x 88 mm |
| Weight | 4,9 kg |
| Mounting | Steel bracket for mounting on the wall or ceiling |
| Colour | White (RAL 9019) |

SUBWOOFERS

SUB Powered Subwoofers

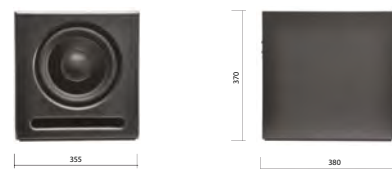
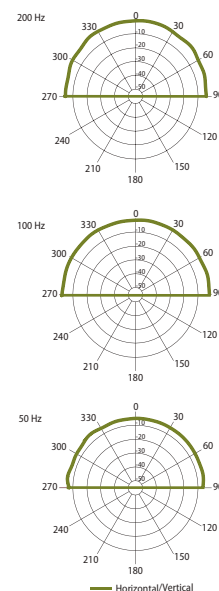
SUB powered subwoofers for extra low frequency sound reproduction.

SUB 2

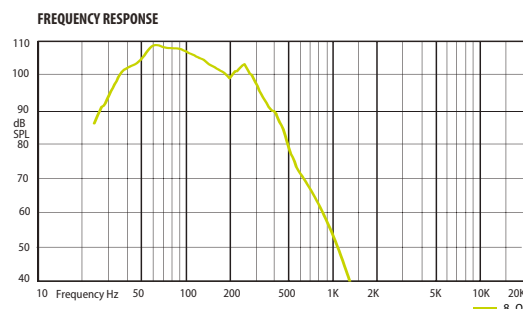
200W active subwoofer with front mounted high quality 10" glass aramid composite woofer. Strong bass output with 90 dB sensitivity. Small size and strong bass output will complement any installation where extra low frequencies are required.



HORIZONTAL / VERTICAL POLAR DIAGRAMS



| Technical Specifications | SUB 2 |
|--------------------------|--|
| Rated power | 200 W |
| Frequency response | 20 Hz - 130 Hz |
| Low pass filter | 50 Hz - 130 Hz |
| Maximum SPL | 120 dB |
| Dispersion at 100 Hz | 180° conical |
| Driver dimensions | 10" (254mm) woofer |
| Input gain control | - 6 dBu - +3 dBu |
| Inputs | Stereo RCA, balanced stereo 6,3 mm TRS JACK, balanced stereo XLR |
| Dimensions | 355 mm x 380 mm x 370 mm |
| Weight | 12 kg |
| Material | Painted MDF |
| Colour | Black (RAL 9017) |



VOLUME CONTROLS

VC Flush Mount Volume Controls

VC volume controls for European style flush-mount boxes.

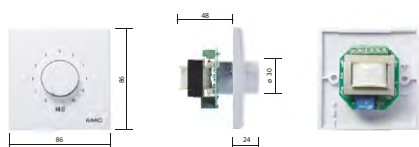
VC 5RX, VC 30RX, VC 60RX

VC volume controls are designed for use in background music and voice evacuation systems, where local sound level control is required. Equipped with 10-step attenuation. Built-in 24 V internal emergency relay with internal switch, so volume controls can be used in passive or active modes. Available for 5 W, 30 W and 60 W power speaker line control.

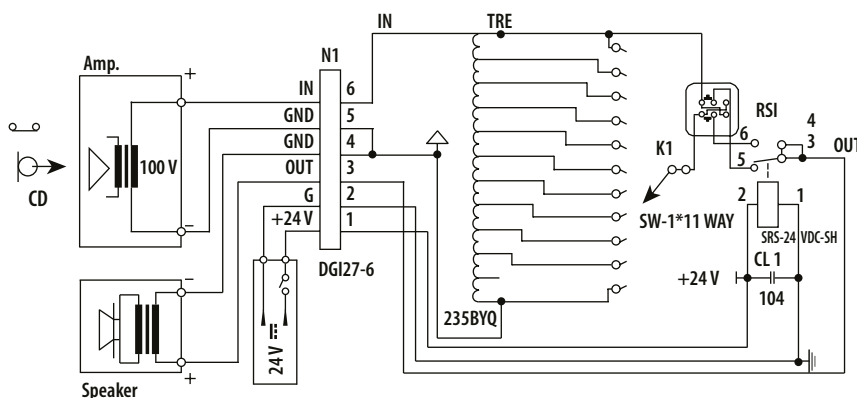
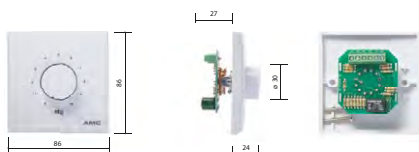
| Technical Specifications | VC 5RX | VC 30RX | VC 60RX |
|--------------------------|------------------|-------------|---------|
| Input | 5 W | 30 W | 60 W |
| Steps | 10 + OFF | | |
| Dimensions | 86 mm x 86 mm | | |
| Material | Plastic | | |
| Switch modality | DC 24 V / 6 Wire | | |
| Modality | Resistor | Transformer | |
| Emergency relay | DC 24 V | | |



VC 30RX, VC 60RX



VC 5RX



Active mode: Volume control will be fully opened and set to the maximum level until 24V DC is supplied. After DC powering, volume control will come in to operation.
Passive mode: Volume control will be active before 24V DC will not be supplied. When DC is powered, Volume control will not be active and volume will be set to maximum level.

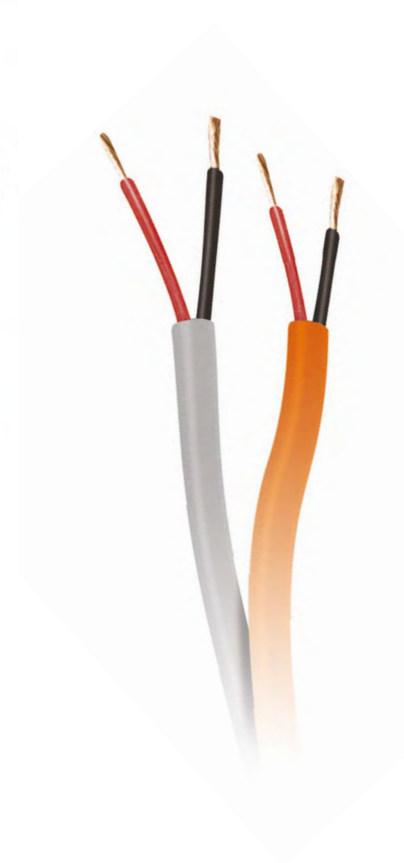
SPEAKER CABLE & CONNECTORS

Flame-retardant and oxygen-free speaker cable

OFCFR are double-shielded oxygen-free speaker cables with flame-retardant PVC insulator.

OFCFR 2x0.82 & OFCFR 2x1.5

Cables for voice evacuation and public address systems, available in two colours: Orange & Grey



| Technical Specifications | 18 AWG | 16 AWG |
|-------------------------------|--------------------------|-------------------------|
| Size | 2 x 0,82 mm ² | 2 x 1,5 mm ² |
| Conductor number | 2 | 2 |
| Conductor material | OFC | OFC |
| Insulator material | PVC | PVC |
| Spool | 100 m | 100 m |
| Elementary wire conductor | 19/0,25 mm | 19/0,30 mm |
| Conductor resistance at 20° C | 0,0187 Ω/m | 0,0134 Ω/m |
| Capacitance | 68,3 pF/m | 95 pF/m |
| Colour | Orange or grey | Orange or grey |

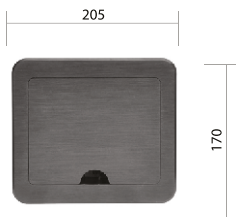
ACCESSORIES

TCB Table Connection Box

Anodized aluminum cable box.

TCB 2

Table top mount box for AV cable installation in conference, board rooms or auditoriums. The TCB 2 box has several cable openings for AV cable runs and 2 power plugs. Cables are easy accessible and hidden if not in use.



| Technical Specifications | TCB 2 |
|--------------------------|---|
| AC power socket | 2 x 16 A, Euro shuko ~250 V, 3 pole |
| Power entry connector | ICE C 14 fused socket, 10 A ~250 V |
| Pass through cable slot | 2 x Ø 12,5 mm, 3 x Ø 9 mm, 1 x Ø 6,5 mm |
| Installation requirement | Table cut out |
| Mounting accessories | 2 x special screws |
| Dimensions | 200 mm x 170 mm x 130 mm |
| Weight | 2 kg |
| Material | Steel with anodized aluminum top |
| Colour | Black (RAL 9017) |

Balanced audio cables, connectors and ceramic terminal blocks.

AUDIO CABLES & CONNECTORS

High quality screened audio cables and cable assemblies. Amphenol connectors and Taskers cables.

MK XLR Assembled Audio Cable

Balanced audio cable with AX3M and AX3F Amphenol connectors.



MK XLR/KL Assembled Audio Cable

Balanced audio cable with AX3M and TRS Amphenol connectors.



| Product Name | MK XLR/KL | MK XLR |
|---------------------|----------------------|----------------------|
| Type of cable | Shielded audio cable | Shielded audio cable |
| Connectors | Amphenol AX3M & TRS | Amphenol AX3M & AX3F |
| Cable specification | Tasker TSK1033 | Tasker C112 |
| Length | 1.5m, 3m and 5m | 1.5m, 3m and 5m |
| Weight | 100g, 180g and 230g | 150g, 230g and 350g |
| Colour | Blue | Blue |

| Product Name | XLR Connectors |
|---------------|---------------------|
| Models | AX3M, AX3F |
| Gender | Male, Female |
| PIN number | 3 |
| Max wire size | 2,5 mm ² |
| Wiring | Solder contacts |
| Weight | 31g, 37g |

Ceramic Terminal Blocks

High temperature resistant ceramic terminal blocks

| Product Name | Ceramic Terminal Blocks |
|----------------|--|
| No. of poles | 3 |
| Max. voltage | 600V |
| Max. current | 24A |
| Max. wire size | 2 x 1.5 mm ² or 1 x 2.5 mm ² |
| Dimensions | 34 mm x 18 mm x 16 mm |
| Weight | 22g |



XLR Connectors

Cable connectors.



Mounting Brackets, Boxes & Transformers

Mounting brackets, 100V line transformers & single gang boxes for VC volume controls

MOUNTING HARDWARE

MB1 wall mount bracket

MB1 mounting bracket for COM SLIM loudspeakers ►

| Product Name | Wall mount bracket for COM SLIM loudspeaker |
|------------------------|---|
| Model | MB1 |
| Dimensions | 82 mm x 82 mm x 100 mm |
| Mounting hole diameter | Ø6 mm |
| Material | Steel |
| Weight | 0,2 kg |
| Colour | White (RAL 9016) |



MB6 Cluster Assemblies

MB6 - Mounting assemblies for 6 pieces

VIVA3 302 / VIVA3 502 speakers hung from ceilings ▼



| Product Name | Cluster Assembly | Cluster Assembly |
|------------------------|---------------------------------|---------------------------------|
| Model | MB6 for VIVA3 302 Cluster Mount | MB6 for VIVA3 502 Cluster Mount |
| Dimensions | Ø365 mm x 110 mm | Ø485 mm x 117 mm |
| Mounting hole diameter | Ø10 mm | Ø10 mm |
| Material | Steel | Steel |
| Weight | 2,5 kg | 3,10 kg |
| Colour | White (RAL 9016) | White (RAL 9016) |

pBOX Plastic Box for Volume Control Units

pBox - plastic surface mount box for VC and WC iMIX volume control units ▼

| Product Name | mBox |
|---------------------|-----------------------|
| Material | Plastic |
| External dimensions | 85 mm x 50 mm x 85 mm |
| Internal dimensions | 80 mm x 47 mm x 80 mm |
| Weight | 109 g |
| Colour | White (RAL 9016) |
| Mounting type | Surface mount |



iBox Single Gang Box for Volume Control Units

iBox single gang box for VC and WC iMIX volume control flush mount ▶



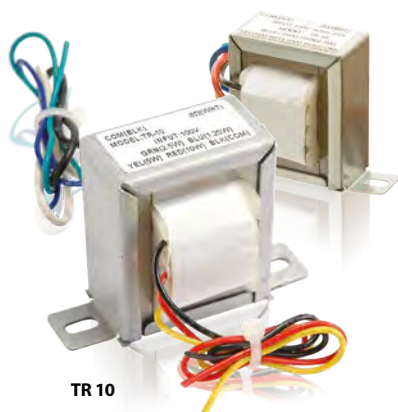
| Product Name | iBox |
|---------------------|-----------------------|
| Material | Plastic |
| External Dimensions | 80 mm x 78 mm x 52 mm |
| Internal Dimensions | 68 mm x 70 mm x 50 mm |
| Weight | 60 g |
| Colour | Black (RAL9017) |
| Mounting type | Flush mount |

100 V Line Transformers

Transformers for 100 V speaker lines with secondary winding for 8Ω speakers.

Speaker line maximum load - 10W, 20W, 30W, 50W ▼

| Technical Specifications | TR-10 | TR-20 | TR-30 | TR-50 |
|----------------------------|-----------------------------|---------------------------|-----------------------|-----------------------|
| Power | 10W | 20W | 30W | 50W |
| Transformer power taps | 10 W - 5 W - 2,5 W - 1,25 W | 20 W - 10 W - 5 W - 2,5 W | 30W | 50W |
| Load for secondary winding | 8Ω | 8Ω | 8Ω | 8Ω |
| Weight | 0,3 kg | 0,3 kg | 0,3 kg | 0,6 kg |
| Dimensions | 50 mm x 43 mm x 40 mm | 50 mm x 43 mm x 43 mm | 50 mm x 43 mm x 41 mm | 60 mm x 50 mm x 52 mm |
| Cable length | 200 m | 200 mm | 190 mm | 200 mm |



TR 10



TR 20



TR 30



TR 50



LITEXPO

EXHIBITION CENTRE

Where the pulse of public life is best felt and its changes are quickest to be noticed.

The Lithuanian Exhibition and Congress Centre LITEXPO is a unique place where the pulse of public life is best felt and its changes are quickest to be noticed. It is a place that is always open for business development, search for new markets, business contacts and boldest ideas. LITEXPO complex consists of 5 exhibition halls, where public address system is equipped with AMC loudspeakers: PC5T, PC8T and MC5T ceiling loudspeakers, iPlay 6, iPlay 5WT and VIVA3-502

cabinet loudspeakers, horn speakers and other equipment. The total exhibiting area of which amounts to 17.6K m², and external grounds that cover 15.1K m². All in all, total exhibiting area reaches 32.7K m². Currently LITEXPO is the largest exhibition and convention centre in the Baltic States by the number of events it organizes and the income index, as well as by the exposition area supplied with up-to-date equipment.

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DIGITAL SIGNAL PROCESSING
DSP 24 Digital Signal Processor

Full matrix 2X4 digital signal processor.

DSP 24

DSP 24 – 2 input and 4 output DSP for line level audio signal processing and routing. Intuitive operation software gives easily understandable access to mandatory parameters of any audio system driven by DSP24. Device perfectly fits small size audio installations to mix and rout audio, split frequencies for two way audio systems, adjust timing, add noise gate, set EQ or add audio limiter. Ideal for bars, small disco halls and high quality background music.



| Technical Specifications | DSP 24 |
|--------------------------|----------------------------------|
| Power supply | ~ 230 V / 50 Hz |
| Power consumption | 5 VA |
| Input / output connector | Balanced XLR |
| Input impedance | 10 kΩ |
| Output impedance | 1 kΩ |
| Maximum output level | +8 dBu |
| Maximum gain | -60 dBu |
| Frequency response | 20 Hz - 20 kHz |
| Distortion | < 0.01% (0 dBu / 1 kHz) |
| Sampling rate | 48 kHz |
| AD/DA converter | 24 bit |
| Dynamic range | 100 dBu |
| Supported OS | Windows XP / WIN7 / WIN8 / WIN10 |
| Weight | 1,1 kg |
| Dimensions | 242 mm x 112 mm x 44 mm |

DIGITAL SIGNAL PROCESSING

OCTO Digital Signal Processor

Full matrix 8X8 digital signal processor.

OCTO

OCTO – 8 input and 8 output full matrix DSP platform for microphone and line level audio processing. High performance 48 kHz sampling rate 24 bit AD/DA converters. Processor configuration can be done in real time with computer via Ethernet. All inputs have compressors, equalizer, gate and audio gain functions and are designed for both line and mic level audio signals. Phantom power, sine wave, pink and white noise generators, auto mixer, priority control. Automatically adjust output level according to ambient noise microphone measurements. Limiter and EQ available for all outputs. GPIO programmable inputs and outputs. User friendly and intuitive operation software.



| Technical Specifications | OCTO |
|--------------------------|---|
| Power supply | ~ 110 V - 230 V / 50 - 60 Hz |
| Power consumption | 44 VA |
| Input type | Balanced |
| Phantom power | + 48 V |
| Input impedance | 2 k Ω |
| Output impedance | 100 Ω |
| Maximum level | +20 dBu |
| Maximum gain | -24 dBu |
| Frequency response | 20 Hz – 20 kHz |
| Distortion | 0,005% @ 1 kHz |
| Connectors | Inputs & outputs – Phoenix connectors, RS-232 – D-SUB 9, RS-485 – Phoenix, Ethernet – RJ-45 |
| Sampling rate | 48 k |
| AD/DA converter | 24 bit |
| Dynamic range | 100 dBu |
| Channel isolation | 110 dBu |
| Weight | 4,6 kg. |
| Dimensions | 483 mm x 304 mm x 44 mm |

INSTALLATION AMPLIFIERS

iA Installation Amplifiers

The amplifiers for contractors

iA240X, iA360X & iA480X

100 V amplifiers with selectable output power configuration. Fan cooling system, Phoenix output connectors, balanced XLR input and link output connectors (iA240X, iA360X), phoenix input and link connectors (iA480X) with ground lift and 24V DC power supply. These amplifiers are designed for operation under hard conditions and require minimum maintenance after installation. For medium and large public address and voice evacuation systems.



iA240X





iA360X



iA480X

| Technical Specifications | iA240X | iA360X | iA480X |
|----------------------------|--|---------------------------|---|
| Output power | 240 W | 360 W | 480 W |
| AC power consumption | 500 VA | 700 VA | 850 VA |
| DC power consumption | 390 VA | 548 VA | 450 VA |
| Stand by power consumption | 30 VA | 40 VA | 60 VA |
| Power supply | ~ 220 V / 50 Hz or DC 24 V | ~ 220V / 50 Hz or DC 24 V | ~ 220 V/~110 V 50 Hz/60 Hz or DC 24 V |
| Outputs | Low impedance outputs - 4 Ω (Phoenix connector), Hi impedance outputs - 100 V, 70 V (Phoenix connector), Link - Balanced XLR | | Low impedance outputs - 4 Ω (Phoenix connector), Hi impedance outputs - 100 V, 70 V (Phoenix connector), Link - Phoenix input connector is linked to Phoenix, RCA to RCA connector. |
| Inputs | Balanced XLR | Balanced XLR | Phoenix, stereo RCA |
| Frequency response | 60 Hz - 20 kHz | 60 Hz - 20 kHz | 30 Hz - 20 kHz |
| THD | 1 % | 1 % | 1 % |
| Signal / noise ratio | 90 dB | 90 dB | 85 dB |
| Inputs | Sensitivity - 0 dBu, Impedance 10 kΩ | | Sensitivity - 0 dBu, Impedance 10 kΩ |
| Gain Control | -80 dB to 0 dB | -80 dB to 0 dB | -80 dB to 0 dB |
| High-pass filter | 400 Hz | 400 Hz | |
| Cooling | Fan forced air | Fan forced air | Fan forced air |
| Dimensions | 428 mm x 88 mm x 377 mm | 428 mm x 88 mm x 377 mm | 420 mm x 88 mm x 280 mm |
| Weight | 14,6 kg | 19 kg | 14,6 kg |

INSTALLATION AMPLIFIERS
iA Installation Amplifiers

The amplifiers for contractors.

iA2X250 & iA4X125

Two and four channel amplifiers for 100V, 70V and 4 Ω sound system lines. Switching power supply, input gain control, dual or single input mode, output configuration selector, HP filter, phoenix output connectors. Fan powered cooling system, rack mount. The iA amplifiers are made for operation under hard conditions and require minimum maintenance after installation. These amplifiers are used in a medium and large public address and voice evacuation systems.



| Technical Specifications | iA2X250 | iA4X125 |
|----------------------------|---|-------------------------|
| Output power | 2X250 W | 4X125 W |
| AC power consumption | 640 VA | 660 VA |
| Power supply | ~ 220 V / 50 Hz | ~ 220 V / 50 Hz |
| Stand by power consumption | 65 VA | 80 VA |
| Outputs | Selectable output 4 Ω, 70 V or 100 V, Connectors - Screw terminal | |
| Inputs | Sensitivity - 0 dBu, Impedance 10 kΩ, Connectors - Balanced XLR | |
| Frequency response | 20 Hz - 20 kHz | 20 Hz - 20 kHz |
| THD | 0,1 % | 0,1 % |
| Signal / noise ratio | 95 dB | 95 dB |
| Controls | Power switch, input gain, input mode, output configuration, HP filter | |
| Indicators | Signal, protection, output configuration | |
| Cooling | Fan forced air | |
| Dimensions | 432 mm x 88 mm x 350 mm | 432 mm x 88 mm x 425 mm |
| Weight | 7,4 kg | 9,7 kg |



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MEDIA PLAYER AMPLIFIERS
DMPA Media Player Amplifiers

Media amplifier with integrated music player.

DMPA 60, DMPA 120 & DMPA 240

Class-D amplifier with integrated SD/USB media player is an all-in-one solution for single zone audio installations. Two microphone inputs, phantom power and input priority settings allow easy paging. Internal media player supports SD cards and USB flash drives, or external audio source using AUX input. Internal limiter prevents audio clipping. Amplifier comes in 60 W, 120 W, 240 W and can power both low and high impedance speaker systems. DMPA series devices are ideal choice for small shops, gas stations, waiting rooms, or any other places that need a small, reliable and easy to operate audio system for continuous daily use.

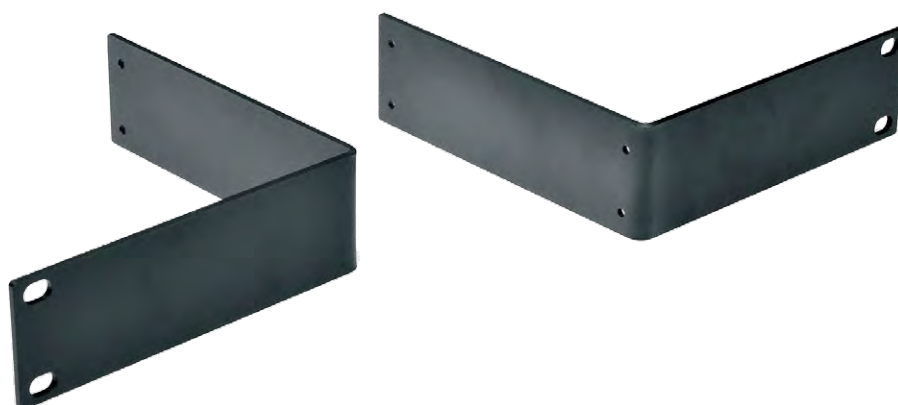
| Technical Specifications | DMPA 60 | DMPA 120 | DMPA 240 |
|--------------------------|--|----------|----------|
| Output power | 60 W | 120 W | 240 W |
| AC power consumption | 170 VA | 225 VA | 400 VA |
| Power supply | 110~240 VAC, 50 Hz/60 Hz | | |
| Outputs | Low impedance output: 4 Ω (Phoenix connector) Hi impedance: 70 V, 100 V (Phoenix connector) Line output (stereo RCA) | | |
| MIC inputs | Sensitivity: -56 dBV Connector: MIC 1 – Phoenix, MIX 2 – XLR / TRS combo Priority: MIC 1 only, switchable Phantom power: MIC 1 only, 24 VDC, switchable | | |
| AUX input | Sensitivity: -6 dBV Connector: stereo RCA | | |
| THD | < 1% | | |
| S/N ratio | MIC 1 & 2, Media player: > 60 dB, LINE: >70 dB | | |
| Frequency response | 80 Hz - 18 kHz | | |
| Equalizer | Bass: 100 Hz ±10 dB, Treble: 10 kHz ±10 dB | | |
| Dimensions | 44 x 215 x 315 mm | | |
| Weight | 1.95 kg | 2.60 kg | 3.05 kg |



DMPA B1 & DMPA B2 rack mounting brackets

DMPA B1 & DMPA B2 – Optional steel brackets for mounting 1 or 2 DMPA series amplifiers in 1U equipment rack space. ▼

| Technical Specification | DMPA B1 | DMPA B2 |
|-------------------------|-------------|---------|
| Number of DMPA devices | 1 | 2 |
| Height | 1 rack unit | |
| Material | Steel | |



COMMUNICATION AMPLIFIERS

iCOMC Communication Amplifiers

Two channel communication amplifiers with RS232 interface and IR remote control.

iCOMC 2x20

iCOMC 2X20 two channel communication amplifiers with RS232 interface and IR remote control. Designed for small size applications. D class power amplifier, limiter, stereo and bridge mode, tone control, line input, balanced microphone input, phoenix output connector, phantom power and loudness function. Some of functions can be controlled by using IR remote control or RS232. Suitable to be mounted on any flat surface, horizontal or vertical. External power supply



Optional accessory - IR remote control

| Technical Specifications | iCOMC 2x20 |
|--------------------------|--|
| Output power | 2 x 20 W |
| Power supply | 24 V DC 1,5 A |
| Outputs | Low impedance output - 4 Ω (screw terminal block) |
| Inputs | Mic: Sensitivity -60 dBu Connector - Balanced Phoenix Line 1: Sensitivity -7 dBu Connector - 3,5 mm stereo Jack Line 2: Sensitivity -7 dBu Connector - Stereo RCA |
| Frequency response | 35 Hz - 20 kHz |
| THD | < 0,03 % |
| Signal / noise ratio | > 100 dB |
| Tone control | Bass ± 7 dBu , Treble ± 7 dBu |
| Controls | Mic and Line input level controls, balance control, tone control, input selector, loudness, limiter and phantom power. RS 232 and IR remote controls. |
| Indicators | Power, volume, balance, tone |
| Dimensions | 145 mm x 120 mm x 45 mm |
| Weight | 0,6 kg |

MIXING AMPLIFIERS
MA Mixing Amplifiers

Compact size mixing amplifiers for music and speech.

MA 30X

30W power, low and high impedance outputs, AUX/Phono and microphone inputs, tone control. Priority input, activated by closing contacts on rear panel. Perfect for use in small size applications such as shops, bars or restaurants, and there's no need for professional installation assistance.



| Technical Specifications | MA 30X |
|--------------------------|--|
| Output power | 30 W |
| AC power consumption | 57 VA |
| Power supply | ~230 V / 50Hz |
| Outputs | Low impedance output – 4 Ω, 8 Ω, 16 Ω (Screw terminal connectors) Hi impedance outputs – 100 V (Screw terminal connectors) |
| Inputs | Microphones: sensitivity - 55 dB, impedance 10 kΩ, connectors - unbalanced 6.3 mm TRS Jack AUX: sensitivity - 20 dB, impedance 10 kΩ, connectors - Stereo RCA PHONO: sensitivity - 55 dB, impedance 10 kΩ, connectors - Stereo RCA |
| Frequency response | 50 Hz - 20 kHz |
| THD | Less than 1 % at 1 kHz rated power |
| Signal / noise ratio | >55 dB |
| Tone control | Bass ±10 dB, Middle ±10 dB, Treble ±10 dB |
| Controls | Input level control, tone control, master |
| Indicators | Power |
| Dimensions | 320 mm × 190 mm × 75 mm |
| Weight | 5 kg |
| Colour | Black (RAL 9017) |

MIXING AMPLIFIERS

MA Mixing Amplifiers

Universal mixing amplifiers for music and voice.

MA60, MA120 & MA240

Universal mixing amplifiers for public address, background music and paging systems.

Audio signal mixing, with a wide choice of input sources with selectable outputs.

Can be used as component of voice evacuation or public address system in the remote rooms, equipped with 24V DC power supply, line and microphone inputs, phantom power supply.



MA60



MA120





MA240

| Technical Specifications | MA60 | MA120 | MA240 |
|----------------------------|---|------------------------------|--|
| Output power | 60 W | 120 W | 240 W |
| AC power consumption | 160 VA | 360 VA | 600 VA |
| DC power consumption | 90 VA | 175 VA | 310 VA |
| Stand by power consumption | 20 VA | 25 VA | 30 VA |
| Power supply | ~ 230 V / 50 Hz or 24V DC | | |
| Outputs | Low impedance output - 4 Ω (Phoenix connector), Hi impedance outputs - 100 V, 70 V, 25 V (Phoenix connector) | | |
| Inputs | Microphone: Sensitivity - 63 dBu, Impedance 10 kΩ, Connectors - Combi XLR Line: Sensitivity - 0 dBu, Impedance 10 kΩ, Connectors - Combi XLR AUX: Sensitivity - Selectable 18 dBu, 12 dBu, 8 dBu, Impedance 10 kΩ, Connectors - Stereo RCA: | | Microphone: Sensitivity - 50 dBu, Impedance 10 kΩ, Connectors - Combi XLR Line: Sensitivity - 8 dBu, Impedance 10 kΩ, Connectors - Combi XLR AUX: Sensitivity - 4 dBu, Impedance 10 kΩ, Connectors - Stereo RCA: |
| Frequency response | 50 Hz - 15 kHz | 50 Hz - 15 kHz | 80 Hz - 16 kHz |
| THD | < 2 % | < 2 % | 1 % |
| Signal / noise ratio | > 70 dB | > 70 dB | 80 dB |
| Tone control | Bass ± 10 dB, Treble ± 10 dB | Bass ± 10 dB, Treble ± 10 dB | Bass ± 10 dB, Treble ± 10 dB |
| Controls | Input level, input gain / phantom power selector, tone control, master volume | | |
| Indicators | Power, output level | | |
| Dimensions | 420 mm x 88 mm x 280 mm | 420 mm x 88 mm x 280 mm | 420 mm x 88 mm x 330 mm |
| Weight | 9,3 kg | 10 kg | 12,8 kg |
| Accessories | 19" Rack mount bracket | | |
| Colour | Black (RAL 9017) | Black (RAL 9017) | Black (RAL 9017) |



MASTERS IN PUBLIC ADDRESS

MA21 | Amplifier

This power mixing amp is top in it's class for dual independent zone sound reinforcement. Ideal for bars, restaurants, offices, hotels and educational environments.

Simple. Reliable. Profitable.

www.amcpro.eu

MIXING AMPLIFIERS

MA Multichannel Mixing Amplifiers

Multichannel mixing amplifiers for background music.

MA 21

MA 21 - two zone mixing amplifier for background music and paging applications. Each zone has separate line input selector for music source, tone and volume control. Amplifier is equipped with 3 mic inputs, subwoofer and record line outputs, each zone LED signal level indication. MA 21 amplifier is perfect for two zone applications, but can be used in stereo mode as well.



| Technical Specifications | MA 21 |
|--------------------------|---|
| Output power | 2 x 100 W |
| AC power consumption | 500 VA |
| Power supply | ~230 V/115 V 50/60 Hz |
| Outputs | Low impedance output - 8 Ω (Binding post connectors) Hi impedance outputs - 100 V (Screw terminal connectors) Record out - 0 dB (RCA connector) Subwoofer out - 0 dB (RCA connector) |
| Inputs | Microphones: sensitivity -57 dB, impedance 600 Ω, connectors - Balanced XLR (input MIC 1 - priority input) Line x 3: sensitivity -10 dB, impedance 20 kΩ, connectors - Unbalanced RCA |
| Frequency response | 20 Hz - 20 kHz |
| THD | Less than 0,05% at 1 kHz rated power |
| Signal / noise ratio | -70 dB |
| Tone control | Bass ±10 dB, Treble ±10 dB |
| Controls | Input level control, source selector, tone control, master |
| Indicators | Power, stereo VU-meter |
| Dimensions | 425 mm x 305 mm x 88 mm |
| Weight | 9 kg |
| Accessories | 19" rack mounting bracket |
| Colour | Black (RAL 9017) |
| Phantom power voltage | +13 V |

MIXING AMPLIFIERS
MMA Mixing Amplifiers

5 zone mixing amplifiers with interchangeable module and paging station.

MMA 120X & 240X

MMA 120X & 240X five zone D-class mixing amplifiers for commercial and industrial applications. 120W and 240W rated output power. Can be used with optional music source module and five zone paging microphone Page station 5X. Five zone speaker lines, low impedance speaker output, variety of microphone and line inputs make these units universal for any kind of installation. Single slot for interchangeable music source modules, 6 Mic/Line inputs, gain control, paging microphone input, chime function, phantom power, priority inputs, graphic equalizer, five-zone selector. Ideal choice where wide selection of audio line inputs is needed and multi-zone broadcasting is a priority.



| Technical Specifications | MMA 120X | MMA 240X |
|--------------------------|--|----------|
| Output power | 120W | 240W |
| Power supply | ~ 230V / 50 Hz | |
| Outputs | Low impedance output – 4 Ω (Phoenix connector) Hi impedance outputs – 100V (Phoenix connector) | |
| Inputs | Microphone: Sensitivity – 50 dBu, connectors – balanced XLR, 6.3 mm TRS Jack Line: Sensitivity – 30 dBu, connector – stereo RCA Remote mic: Sensitivity – 40 dBu, connector – Phoenix Link in: Sensitivity – 17 dBu, connector – 6.3 mm TS Jack Amp in: Sensitivity – 0 dBu, connector – 6,3 mm TS Jack Remote paging: Connector – RJ45 | |
| Phantom power | 15V (max.) | |
| Frequency response | 80 Hz - 15 kHz | |
| Equalizer | 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz, ±12 dB | |
| THD | 0,5% | |
| S/N ratio | 75 dB | |
| Dimensions | 420 mm x 320 mm x 88 mm | |
| Weight | 9,76 kg | 10,5 kg |

FM/AM/USB/SD module for MMA amplifiers

FM/AM/USB/SD – Optional module for MMA 5 zone amplifier with USB flash and SD card player and FM/AM radio tuner. Supports compressed audio files. Volume control, equalizer, mute, input source selection, repeat and random play modes. 6 radio station presets. Simple plug and play installation. ▼

| Technical Specification | FM/AM/USB/SD module |
|-------------------------|---------------------|
| Power supply | DC 12 V |
| Current consumption | 0,5 A |
| Max audio output | +6dB |
| Frequency response | 20 Hz - 20 kHz |
| S/N ratio | <70 dB |
| THD | 0,1% |
| Supported audio formats | Compressed audio |



PAGE STATION 5X paging microphone

PAGE STATION 5X – Five zone paging microphone for MMA 120X and MMA 240X mixing amplifiers. Chime, signal and clip indicator, microphone volume control, RJ45 connector, condenser microphone capsule. Lock/unlock switch allows locking any selected zone combination. It helps prevent accidental zone selection and makes announcements to the same zones more user friendly. ◀

| Technical Specification | PAGE STATION 5X |
|-------------------------|-------------------------|
| Power supply | ±15 V |
| Input sensitivity | - 50 dBu |
| Frequency response | 45 Hz - 15 kHz |
| S/N ratio | <90 dB |
| THD | <0,1% |
| Dimensions | 140 mm x 60 mm x 205 mm |
| Weight | 0,9 kg |
| Colour | Black (RAL 9017) |

MEDIA PLAYER AMPLIFIERS
MPA Media Player Amplifiers

Media amplifiers with integrated music player.

MPA 30

MPA 30 - mixing media amplifier with integrated USB and SD MMC card player/recorder and FM radio tuner. Audio signal mixing, low and high impedance outputs, priority input and tone control. Preamp output and preamp input. Recording function is performed on memory cards or USB Flash drive. Selectable gain (AUX/ Phono), stereo RCA input. No need for professional installation assistance, and it's so easy to use. The MPA 30 supports compressed audio files and is an excellent device for small size applications where amplification with music source and audio signal mixing is required.

With external 12V DC power supply capability.



| Technical Specifications | MPA 30 |
|--------------------------|--|
| Output power | 30W |
| AC power consumption | 60VA |
| Power supply | ~230V/50Hz or 12V DC |
| Outputs | Low impedance output- 4 Ω (Screw terminal connectors) Hi impedance outputs- 25 V,70 V, 100 V (Screw terminal connectors) Preamp Out - output level 0 dBu |
| Inputs | MIC: Sensitivity- 47 dBu Priority Input - MIC 1 Connectors- Balanced TRS 6.3 jack AUX/PHONO: Sensitivity- 17 dBu (when switch is set to AUX position) Sensitivity- 47 dBu (when switch is set to PHONO position) Connector- RCA AMP input: Sensitivity - 0 dBu Connector- RCA |
| Frequency response | 80 Hz -18 kHz |
| Tone control | Bass ±12 dB, Treble ±12 dB |
| THD | < 0,5% |
| Signal/ noise ratio | >75 dB |
| Controls | MIC and AUX/PHONO input level controls, tone control, USB SD MMC card player volume control, master volume control |
| Indicators | Power |
| Dimensions | 280 mm x 190 mm x 75 mm |
| Weight | 4,5 kg |

MEDIA PLAYER AMPLIFIERS

MPA Media Player Amplifiers

Media amplifiers with integrated music player.

MPA 60

MPA60 – D class mixing media amplifier powered by switching power supply. Integrated USB, SD card player/recorder, FM radio and Bluetooth player interface with IR remote control. Low and high impedance outputs, priority input, phantom power and tone control. Audio recording function is performed on memory cards or USB Flash drive. For precise input gain settings all rear panel inputs have gain adjusting potentiometers. No cooling FAN inside. User-friendly control, no need for professional installation assistance. The MPA 60 supports compressed audio files and is an excellent device for small size applications where amplification with music source or audio signal mixing is required.



| Technical Specifications | MPA 60 |
|--------------------------|---|
| Output power | 60W |
| Power supply | 110~230V, 50/60Hz |
| Outputs | Low impedance output - 4Ω, 8Ω Hi impedance outputs 70V, 100V |
| Inputs | MIC: Sensitivity: -6dB ~ -50dB Priority Input - CH1 Connectors: - XLR for CH1, Balanced TRS 6.3 jack for CH2 and CH3 LINE: Sensitivity: +14 ~ -30dBu Connector: RCA, 3,5mm TRS jack TELE PAGING: Sensitivity: 0 ~ -30dBu Connector: Phoenix |
| Frequency response | 80 Hz -18 kHz |
| Tone control | Bass 100Hz ±12 dB, Treble 10kHz ±12dB |
| THD | < 0,5% |
| Indicators | Power, audio signal, clip, protect. |
| Controls | MIC and LINE input level controls, tone control, USB SD card player volume control, master volume control. |
| Phantom power | 14V |
| Dimensions | 260 mm x 27 mm x 90 mm |
| Weight | 3,5 kg |

MIXING PREAMPLIFIER

iMIX5 Zone Router

Stereo mixing preamplifier for background music and voice.

iMIX5

Zone router with 5 stereo outputs for multi-zone audio control. iMix5 has 4 audio source inputs, which can be routed to any of 5 available outputs. Sources at individual zones can be selected by zone selector on front panel, using wall plate controller or RS232 commands. iMix5 has internal media player with USB, Bluetooth, FM receiver and AUX input. Priority input and external mute connectors for emergency audio installations.

Page station MIC iMIX is designed for zone paging.



| Technical Specifications | iMIX 5 |
|--|---|
| Inputs | Line inputs: 3 x stereo phoenix, sensitivity -12.5 dBV Mic input: 1 x XLR, sensitivity -41 dBV Call station input: 1 x RJ45, sensitivity +4 dBV |
| Outputs | 5 x stereo phoenix, rated 600 ohm 1 x XLR for zone monitoring |
| EMG input: SN ratio to microphone input SN ratio to line input | Sensitivity -10 dBV 65 dB 73 dB |
| Media player | USB / Bluetooth / FM radio / AUX input |
| Phantom power | +24V DC |
| Frequency response | ±3 dB 20 Hz - 20 kHz |
| THD +N | <0.1% @ 1kHz |
| Controller inputs | RS232 interface 5 x RJ45 connectors for wall plate controllers |
| Power supply | 100-240 Vac, 50/60 Hz |
| Dimensions | 483 x 177 x 44 mm |
| Weight | 1.76 kg |

MIC iMIX

MIC iMIX – five zone paging microphone with intuitive control buttons for iMIX 5. Pressing selected zone button or all zone button enables to make announcements to selected zone or all zones together. It is possible to start announcement immediately or with a chime. Chime options can be selected with DIP switches. Local audio source can be connected using TRS jack input. ▶

| Technical Specification | MIC iMIX |
|-------------------------|---|
| Microphone type | Condenser microphone |
| Polar pattern | Cardioid |
| Frequency response | -3dB 150Hz - 22kHz |
| Control | 6 x illuminated zone select buttons (1-5, all zones) 1 x Talk button |
| Input impedance | Mic: 600 Ohms, Aux: 50k Ohms |
| Output impedance | Balanced 600 Ohms |
| Input level Mic | -46dBV, Aux: -10dBV |
| Output level | 10dBV |
| S/N ratio | -60dB |
| Connectors | RJ45, 24VDC power jack, 3.5mm stereo TRS, XLR |
| Interface | RS-485 |
| Max. connection length | 500m |
| Power supply | 24Vdc, 500mA |
| Dimensions | 460 mm x 140 mm x 115mm |
| Weight | 670 g |



WC iMIX

WC iMIX – glass look, touch sensitive surface for zone audio source selection, volume control and mute. Wall controller has built-in audio input to connect extra audio source locally. iMIX5 support up to 5 WC iMIX controllers, one unit per zone. Available in black and white. ◀

| Technical Specification | WC iMIX |
|-------------------------|-----------------------|
| Max. connection length | 500m |
| Connector type | RJ45 |
| Mounting depth | 38mm |
| Power supply | 24VDC |
| Dimensions | 86 mm x 86 mm x 38 mm |
| Weight | 128g |



MIXING PREAMPLIFIERS

iMIX 2 Multi-Zone Mixing Preamp

Stereo two-zone mixing preamplifier.

iMIX 2

A stereo two-zone mixer preamplifier with digital source selector, volume, tone and balance controls. iMix 2 mixer preamplifier has all the main features necessary for audio installations: input gain control, phantom power on/off, input priority, tone, balance control and RS232 interface for remote control of main functions. With iMIX2 mixer preamplifier it is possible to create 2 stereo zone or 2 mono zone audio systems, with paging possibilities.



| Technical Specifications | iMIX 2 |
|--------------------------|--|
| Power supply | ~ 230 V / 50 Hz |
| AC power consumption | 20 VA |
| Frequency response | 10 Hz - 50 kHz |
| THD | < 0,01 % |
| Input impedance | RCA - 20 kΩ (unbalanced) Phoenix - 47 kΩ (balanced) |
| Input gain | Line -10 dB Mic -50 dB |
| Output | Zone - 1 maximum output level +15dB, impedance - 10 kΩ Zone - 2 maximum output level +15dB, impedance - 10 kΩ |
| Priority inputs | Input 4 |
| Tone control | Bass ±12 dB, Treble ±12 dB |
| HUM & Noise | -87 dB |
| Crosstalk | - 50 dB @ 1 kHz |
| Dimensions | 44 mm × 482 mm × 200 mm, 1U 19" Rack Mount |
| Weight | 4 kg |
| Colour | Black (RAL 9017) |

MIXING PREAMPLIFIERS

iMIX Stereo Preamplifiers

Mixing preamplifiers for background music and voice.

iMIX 63

Mixing preamplifier for background music and public address. Six balanced COMBO XLR inputs with 6 selectable MIC/LINE inputs and 3 stereo RCA inputs. Phantom power is on the board and activated by external dip switch on each universal COMBO XLR input. Priority on the first universal input. For emergency operation, an external 24V DC power source can be used.



| Technical Specifications | iMIX 63 |
|-----------------------------|--|
| Power supply | ~ 230 V / 50 Hz or DC 24V |
| DC power consumption | 9,6 VA |
| AC power consumption | 10,5 VA |
| Phantom power voltage | 20 V (max.) |
| Input impedance | Microphone input 1,4 kΩ Line input 10 kΩ |
| Output impedance | 120 Ω |
| Input gain | Combo XLR input (Mic level) - 52 dBu Combo XLR input (Live level) - 12 dBu RCA input - 4 dBu |
| Maximum input level | Balanced XLR input (Mic level) - 15 dBu Balanced XLR input (Live level) + 12 dBu |
| Maximum output level | Master output + 16 dBu / Mono output + 27 dBu Monitor output + 27 dBu / Rec output + 21 dBu |
| Frequency response | 20 Hz - 22 kHz |
| THD | 0,03 % @ 1 kHz |
| Signal / Noise ratio | > 103 dBu |
| Crosstalk (input to output) | - 82 dBu |
| Priority inputs | Input 1 |
| Tone control | Low ± 10 dB @ 80 Hz, Mid ± 10 dB @ 2,5 kHz, High ± 10 dB @ 12 kHz" |
| Dimensions | 44 mm × 483 mm × 195 mm, 1U 19" Rack Mount |
| Weight | 2,9 kg |
| Colour | Black (RAL 9017) |





SELECT THE MUSIC OF YOUR CHOICE

MP 22 | 2 zone music player
2 zone music player with paging.
Each player combines FM radio,
Bluetooth, SD and USB.
Zone volume and EQ control.

Simple. Reliable. Profitable.

www.amcpro.eu

MUSIC PLAYERS

MP Music Players

Rack mount music players.

MP 22

Two-zone audio player with two independent players with separate FM and Bluetooth audio receivers. Plays audio files from SD cards and USB drives. Individual volume and tone controls, selectable input for each output. Two-zone paging is available with AMC TALK ST Z2, providing gain and tone control, phantom power and signal priority. External audio sources can be connected using 2 stereo line inputs or 3,5mm TRS AUX input on the front panel.



| Technical Specifications | MP 22 |
|--------------------------|---|
| Power consumption | 10 VA |
| Power supply | 115 V or 230 V, 50/60 Hz |
| Outputs | Main: output level – 6 dBu, connector – balanced Euro block Link: output level – 0 dBu, connector – stereo RCA |
| Inputs | Line: sensitivity – 0 dBu, impedance – 4,7 kΩ, connector – stereo RCA Microphone: sensitivity – 56 dBu, impedance – 600 Ω, connector – 5pin XLR AUX: sensitivity – 0 dBu, impedance 4,7 kΩ, connector 3,5 mm TRS jack |
| Phantom power | +48 V |
| Media player | Radio station memory: 30 stations Max. USB flash size: 32 GB |
| Antennas | FM antenna: monopole F-type connector, Bluetooth antenna: internal, working distance > 10 m |
| Frequency response | 20 Hz – 20 kHz |
| THD | 0.10 % |
| Tone control | Bass: 100 Hz ±12 dB Treble: 10 kHz ±12 dB |
| Remote control | IR remote |
| Dimensions | 483 mm × 103 mm × 44 mm |
| Weight | 1.7 kg |

MUSIC PLAYERS
DAB RADIO player

DAB and FM radio player.

DAB RADIO

DAB RADIO - rack mount professional music player with built-in DAB and FM tuners. These professional player can be used 24 hours a day 7 days a week. Radio tuner has 20 radio presets, RDS. IR remote control is included in delivery with each player.



| Technical Specifications | DAB RADIO |
|--------------------------|-------------------------|
| Power supply | ~230V/50Hz |
| Power consumption | 50 VA |
| Output connector | Stereo RCA |
| FM frequency range | 87,5 MHz - 108 MHz |
| DAB frequency range | 174,928 MHz - 239,1 MHz |
| Radio station presets | 20 |
| Audio output level | -6 dBu |
| THD | 0,3 % |
| Antenna | 75 Ω |
| Dimensions | 482 mm x 44 mm x 185 mm |
| Weight | 3,4 kg |
| Material | Steel |
| Colour | Black |

MUSIC PLAYERS
Live Radio Player

Internet RADIO and FM radio player.

LIVE RADIO

LIVE RADIO – a modern music player with integrated Internet radio player, Media player, FM radio tuner and USB flash reader. Device is connected to LAN network over Wi-Fi or cable interface. Main functions can be controlled with IR remote control. RDS and ID3 support.

This device is engineered to provide online music setups, with surprising capabilities.



| Technical Specifications | LIVE RADIO |
|--------------------------------|--|
| Power supply | ~ 230V/ 50 Hz |
| Max power consumption | 20W |
| Music sources | Internet radio FM radio Media player USB flash |
| Inputs | 75Ω unbalanced FM antenna terminal 2.4 GHz SMA terminal for Wi-Fi antenna RJ45 (Ethernet) cable terminal |
| Outputs | Stereo RCA Optical output TOSLINK |
| Max output level | +2 dBu |
| FM frequency range | 87.5 – 108 MHz |
| FM preset stations | 10 |
| Internet radio preset stations | 10 |
| Media player | Supports compressed audio formats |



MUSIC PLAYERS
MP Music Players

Rack mount music players.

MP01 & MP02

Rack mount music players with CD, FM tuner, SD card and USB players inside. These players are designed to be used all day, every day, true 24/7. They are carefully assembled utilising the highest quality components and will work as hard as you can push them. With 10 radio station presets, RDS and CD text support and IR Remote control included. The MP01, 02 and 03 all have different output configurations so can be tailored for specific applications.



| Technical Specifications | Tuner section |
|----------------------------|-------------------|
| Tuning frequency range | 87,5 Hz – 108 MHz |
| IF frequency | 10,7 MHz |
| 30 dB quieting sensitivity | 10 μ V |
| Signal / Noise ratio | 60 dB |
| IF rejection | 75 dB |
| Image rejection | 25 dB |
| THD | 0,8 % |
| Stereo separation | 30 dB @ 1 kHz |
| Frequency response | 100 Hz – 10 kHz |

| Technical Specifications | MP 01 |
|--|---|
| FM synthesizer tuner | |
| 60 preset memories | |
| CD with mechanic & electronic anti-shock, CD, CD-R, CD-R/W, USB and SD card reader, Compressed audio files support | |
| Input: | FM 75 Ohm unbalanced antenna terminals USB/SD port for flash disc |
| Output: | XLR audio output for FM L and R channels XLR audio output for CD/USB/SD L and R channels |
| Power supply | ~230V /50Hz |
| Power consumption | 50 VA |
| Weight | 3,5 kg |
| Dimensions | 482 mm \times 44 mm \times 250 mm |



| Technical Specifications | CD section |
|--|-----------------|
| Output level | 1,2V \pm 2 dB |
| Output level difference between L R channels | less than 2 dB |
| Frequency response (using 1 kHz reference) | 20 Hz – 20 kHz |
| Seperation | 60 dB @ 1 kHz |
| THD | 0,1 % @ 1 kHz |
| Signal / Noise ratio | 70 dB |



| Technical Specifications | | MP 02 |
|--|-------------------------|-------|
| FM synthesizer tuner | | |
| 10 preset memories | | |
| CD with mechanic & electronic anti-shock, CD, CD-R, CD-R/W, USB/SD, Compressed audio files support | | |
| Input: FM 75 Ohm unbalanced antenna terminals USB and SD port for flash disc | | |
| Output: Stereo RCA audio output for FM and CD L and R channels | | |
| Power supply | ~230V / 50Hz | |
| Power consumption | 50 VA | |
| Weight | 3,5 kg | |
| Dimensions | 482 mm × 44 mm × 250 mm | |



| Technical Specifications | CD section |
|--|----------------|
| Output level | 1,2 V ± 2 dB |
| Output level difference between L R channels | less than 2 dB |
| Frequency response (using 1 kHz reference) | 20 Hz – 20 kHz |
| Seperation | 60 dB @ 1 kHz |
| THD | 0,1 % @ 1 kHz |
| Signal / Noise ratio | 70 dB |

* Both MP01 & MP02 include remote control

| Technical Specifications | Tuner section |
|----------------------------|-------------------|
| Tuning frequency range | 87,5 Hz – 108 MHz |
| IF frequency | 10,7 MHz |
| 30 dB quieting sensitivity | 10 µV |
| Signal to noise ratio | 60 dB |
| 3 dB limiting | 8 µV |
| IF rejection | 75 dB |
| Image rejection | 25 dB |
| THD | 0,8 % |
| Stereo separation | 30 dB @ 1 kHz |
| Frequency response | 100 Hz – 10 kHz |



MUSIC PLAYERS

MP Music Players

Rack mount music players.

MP 02B

MP 02B music player with integrated CD player, FM tuner, USB/SD reader and Bluetooth player interface.
Single source selectable for playback: FM tuner, CD player, USB/SD card reader or Bluetooth interface player.

IR remote control for CD player, USB/SD reader and FM radio. RCA stereo output.



| Technical Specifications | MP 02B |
|--------------------------|---|
| | CD player, FM tuner, USB/SD reader and Bluetooth interface |
| | CD drive with mechanic & electronic anti-shock, CD, CD-R, CD-R/W, USB/SD, Compressed audio files support. |
| Input: | FM 75 Ohm unbalanced antenna terminals USB and SD port for flash disc |
| Output: | Stereo RCA audio output for FM and CD, L and R channels |
| Power supply | 230 V AC |
| Power consumption | 50 VA |
| Weight | 3,8 kg |
| Dimensions | 482 mm × 44 mm × 250 mm |

| | CD section |
|---|----------------|
| Output level | 1,2 V ± 2 dB |
| Output level difference between L, R channels | less than 2 dB |
| Frequency response; 1 kHz reference) | 20 Hz – 20 kHz |
| Separation | 60 dB @ 1 kHz |
| THD | 0,1 % @ 1 kHz |
| Signal to noise ratio | 70 dB |

| | Tuner section |
|------------------------|--------------------------|
| Tuning frequency range | 87,5 Hz – 108 MHz |
| Preset memory | 30 radio stations |
| Signal to noise ratio | 60 dB |
| THD | 0,8 % @ 1 mV 40 kHz dev. |
| Stereo separation | 30 dB @ 1 kHz |
| Frequency response | 100 Hz – 10 kHz |

| | Bluetooth section |
|-----------------------|-------------------|
| Working distance | 5 m |
| Signal to noise ratio | 60 dB |
| THD | 0,2 % |
| Stereo separation | less than 60 dB |
| Signal to noise ratio | less than 60 dB |



MUSIC PLAYERS
MP Music Players

Rack mount music players.

MP 03

Rack mount music players with CD, FM tuner, SD card and USB players inside. These players are designed to be used all day, every day, true 24/7. They are carefully assembled utilising the highest quality components and will work as hard as you can push them. With 10 radio station presets, RDS and CD text support and IR Remote control included.

The MP01, 02 and 03 all have different output configurations so can be tailored for specific applications.



| Technical Specifications | MP 03 |
|--|---|
| FM synthesizer tuner | |
| 60 preset memories | |
| CD with mechanic & electronic anti-shock, CD, CD-R, CD-R/W, USB/SD, Compressed audio files support | |
| Input: | FM 75 Ohm unbalanced antenna terminals USB/SD port for memory stick |
| Output: | Stereo RCA and balanced mono Phoenix outputs for FM Stereo RCA and balanced mono Phoenix outputs for CD/USB/SD |
| Power supply | ~230V/ 50Hz |
| Power consumption | 50 VA |
| Weight | 3,5 kg |
| Dimensions | 482 mm × 44 mm × 250 mm |

| Technical Specifications | CD section |
|--|----------------|
| Output level | 1,2V ± 2 dB |
| Output level difference between L R channels | less than 2 dB |
| Frequency response (using 1 kHz reference) | 20 Hz – 20 kHz |
| Seperation | 60 dB @ 1 kHz |
| THD | 0,1 % @ 1 kHz |
| Signal / noise ratio | 70 dB |



| Technical Specifications | Tuner section |
|----------------------------|-------------------|
| Tuning frequency range | 87,5 Hz – 108 MHz |
| IF frequency | 10,7 MHz |
| 30 dB quieting sensitivity | 10 µV |
| Signal / noise ratio | 60 dB |
| IF rejection | 75 dB |
| Image rejection | 25 dB |
| THD | 0,8 % |
| Stereo separation | 30 dB @ 1 kHz |
| Frequency response | 100 Hz – 10 kHz |

MUSIC PLAYERS
MP Music Players

Rack mount music players.

MP 05

MP 05 music player/recorder with integrated SD/MMC and USB flash drive readers and CD player. CD, USB flash drive or SD/MMC card selectable for play back. Recording function is performed on memory cards or USB Flash drive. MP 05 can be controlled by IR remote control, RS232 interface or by trigger inputs in remote control connector.



| Technical Specifications | MP 05 |
|--------------------------|--|
| Music sources | USB flash, SD / MMC card, CD |
| Input | Stereo RCA and stereo balanced XLR (REC input) |
| Output | Stereo RCA and stereo balanced XLR |
| Power supply | AC 230V 50 Hz |
| Power consumption | 50 VA |
| Output level | + 3 dBu ± 2 dBu |
| Max. REC input level | 0 dBu |
| THD | 0,1 % |
| Frequency response | 20 Hz - 20 kHz |
| Signal to noise ratio | 70 dB |
| Stereo separation | 60 dB |
| Supported audio formats | Compressed audio |
| Remote control | IR remote control, RS 232, trigger inputs |
| Weight | 3,74 kg |
| Dimensions | 482 mm x 44 mm x 250 mm |

MUSIC PLAYERS
MP Music Players

Rack mount music players.

MP 06S

MP 06S music players with SPEED CONTROL. This function allows to speed up and slow down the music tracks played from files recorded on CD, SD and USB readers. The player has integrated FM tuner with 30 radio station pre-sets. IR remote control is included in a package . Two separate CD, SD, USB and FM tuner RCA line outputs support 2-zone applications. Priority output is activated if music from CD, USB or SD card stops playing. In this case FM tuner automatically starts playing to that output. Player is ready for 24/7 operation. Ideal music source player for fitness and aerobics.



| Technical Specifications | MP 06S |
|--|---|
| FM synthesizer tuner | |
| 30 preset memories | |
| CD with mechanic & electronic anti-shock, CD, CD-R, CD-RW, USB, SD, Compressed audio files support | |
| Input: | FM 75 Ω unbalanced antenna terminal USB / SD port for memory stick |
| Output: | 3 x Stereo RCA |
| Power supply | AC 230 V 50 Hz |
| Power consumption | 50 VA |
| Weight | 19" rack |
| Dimensions | Black RAL9017 |

| Technical Specifications | CD section |
|--|-----------------|
| Output level | + 3 dBu ± 2 dBu |
| Output level difference between L R channels | less than 2dB |
| Frequency response | 20 Hz - 20 kHz |
| Separation | 60 dB @ 1 kHz |
| THD | 0,1 % |
| Signal to noise ratio | 70 dB |

| Technical Specifications | Tuner section |
|--------------------------|-----------------|
| Tuning frequency range | 87,5 Mhz - 108 |
| Signal to noise ratio | 60 dB |
| Frequency response | 20 Hz - 20 kHz |
| Separation | 30 dB |
| THD | 0,8 % |
| Frequency response | 100 Hz - 10 kHz |

POWER AMPLIFIERS
A Power Amplifiers

Professional two channel power amplifiers.

A100

Modern design with ultra slim body. Screw terminal speaker connectors and balanced Phoenix input connectors with a fan cooling system and bridge mode selector. Can be used for live music, background music and voice. These professional power amplifiers are designed in order to meet the increasing demand of low power amplifiers for the installation market.

These stereo power amplifiers have complete circuit fault protection and offer a superior performance.



| Technical Specifications | A 100 |
|--------------------------|--|
| Output power | Rated 100 W + 100 W (4 Ω), 70 W + 70 W (8 Ω) |
| Power supply | ~230 V/115 V 50/60Hz |
| Outputs | Screw terminal block |
| Inputs | Connectors - Balanced Phoenix, Impedance - 10 kΩ, input sensitivity - 0,775V |
| Frequency response | 25 Hz - 25 kHz |
| THD | < 0,03 % |
| Signal / noise ratio | > 100 dB |
| Damping factor | > 400 at 8 Ω |
| Controls | Power switch, volume, mode selector |
| Indicators | Power, signal, clip, protect |
| Dimensions | 482 mm x 45 mm x 320 mm |
| Weight | 7,8 kg |
| Mounting | 19" rack |
| Colour | Black (RAL 9017) |

POWER AMPLIFIERS
A Power Amplifiers

Professional two channel power amplifiers.

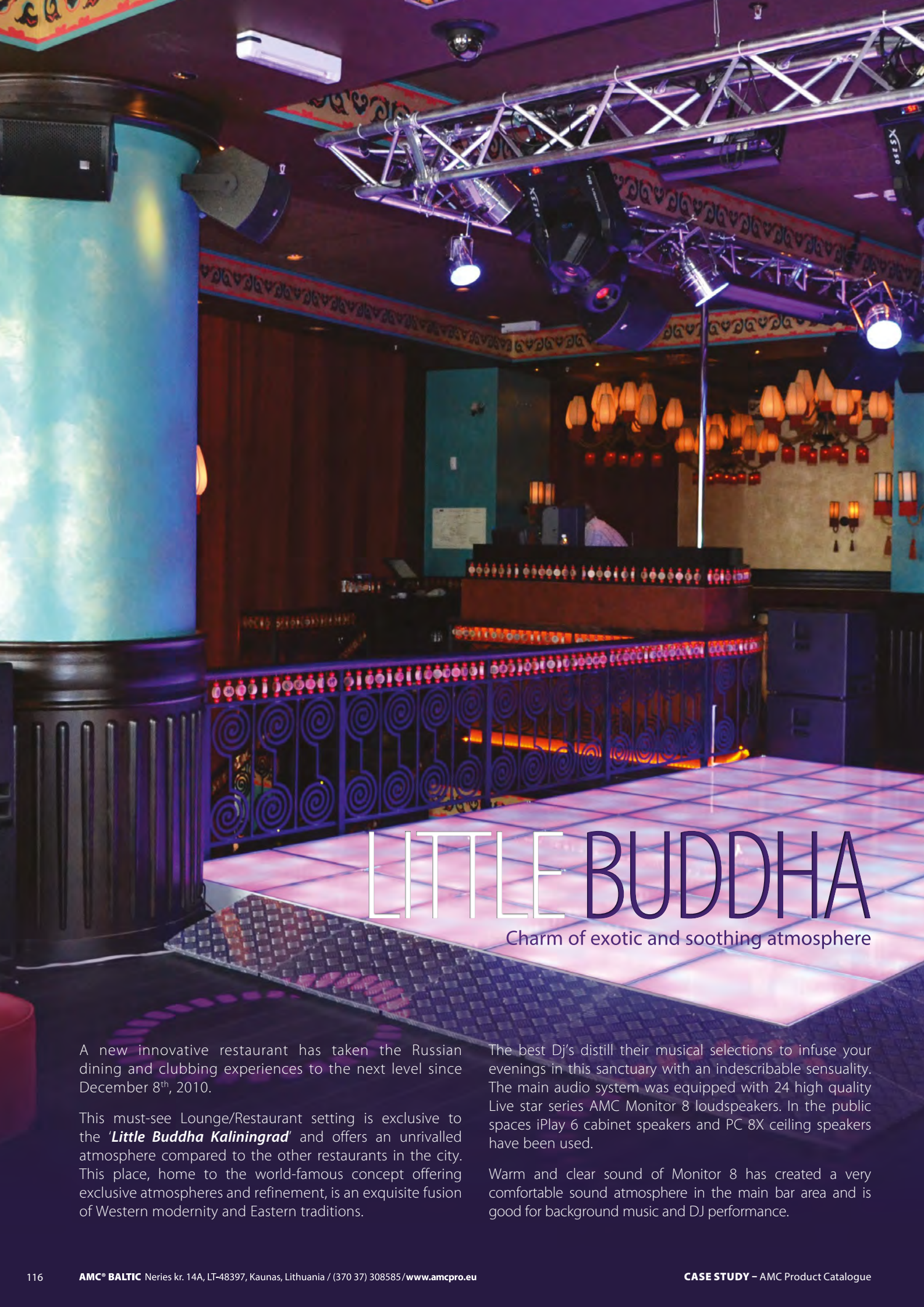
A200

Modern design with ultra slim body. Screw terminal speaker connectors and balanced Phoenix input connectors with a fan cooling system and bridge mode selector. Can be used for live music, background music and voice. These professional power amplifiers are designed in order to meet the increasing demand of low power amplifiers for the installation market. These stereo power amplifiers have complete circuit fault protection and offer a superior performance.



| Technical Specifications | A 200 |
|--------------------------|--|
| Output power | Rated 200 W + 200 W (4 Ω), 130 W+130 W (8 Ω) |
| Power supply | ~230 V/115 V 50/60Hz |
| Outputs | Screw terminal block |
| Inputs | Connectors - Balanced Phoenix, Impedance - 10 kΩ, input sensitivity - 0,775V |
| Frequency response | 25 Hz - 25 kHz |
| THD | < 0,03 % |
| Signal / noise ratio | > 100 dB |
| Damping factor | > 400 at 8 Ω |
| Controls | Power switch, volume, mode selector |
| Indicators | Power, signal, clip, protect |
| Dimensions | 482 mm x 45 mm x 320 mm |
| Weight | 9 kg |
| Mounting | 19" rack |
| Colour | Black (RAL 9017) |





LITTLE BUDDHA

Charm of exotic and soothing atmosphere

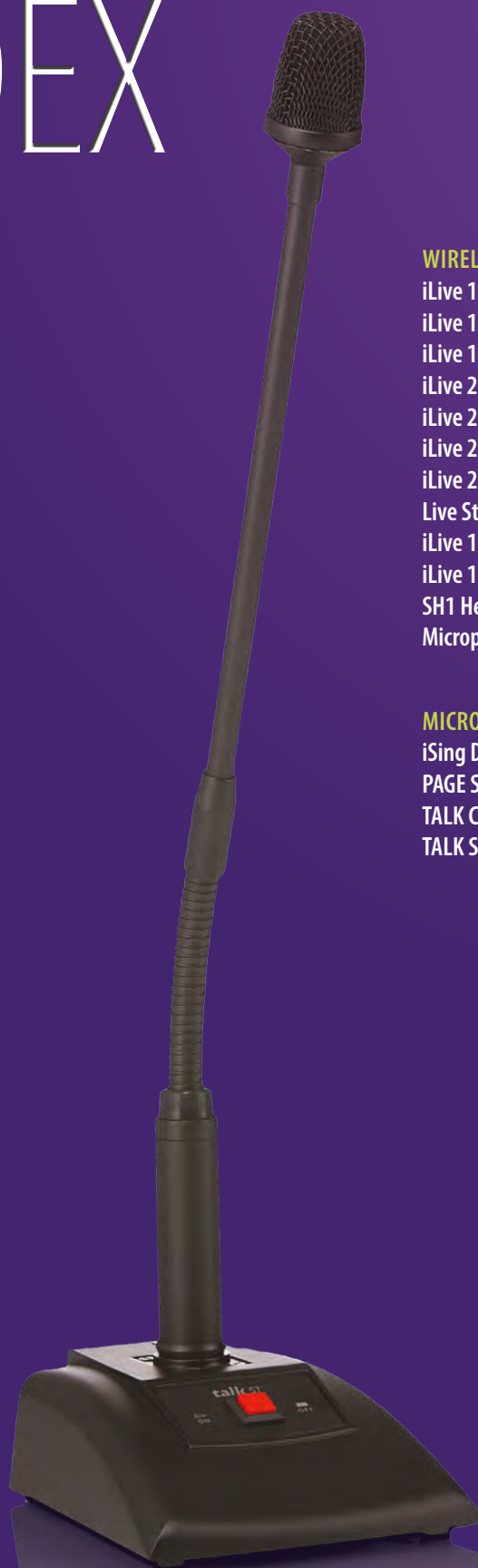
A new innovative restaurant has taken the Russian dining and clubbing experiences to the next level since December 8th, 2010.

This must-see Lounge/Restaurant setting is exclusive to the **'Little Buddha Kaliningrad'** and offers an unrivalled atmosphere compared to the other restaurants in the city. This place, home to the world-famous concept offering exclusive atmospheres and refinement, is an exquisite fusion of Western modernity and Eastern traditions.

The best DJ's distill their musical selections to infuse your evenings in this sanctuary with an indescribable sensuality. The main audio system was equipped with 24 high quality Live star series AMC Monitor 8 loudspeakers. In the public spaces iPlay 6 cabinet speakers and PC 8X ceiling speakers have been used.

Warm and clear sound of Monitor 8 has created a very comfortable sound atmosphere in the main bar area and is good for background music and DJ performance.

MICROPHONES INDEX



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WIRELESS MICROPHONES
iLive UHF Wireless Microphone Systems

iLive 1 true diversity wireless microphone systems

iLIVE 1 HANDHELD

iLive 1 handheld true diversity wireless microphone system with 32 selectable channels. Automatic channel synchronization and automatic frequency selection. The microphone signal receiver, handheld microphone transmitter and jack/jack cable are included in every package. Advanced design PCB and excellent quality metal body handheld microphone transmitter equipped with dynamic cardioid microphone capsule makes these sets very universal for use on stage and in the conference rooms.

| Technical Specifications | iLIVE 1 handheld transmitter |
|--------------------------|--|
| Carrier frequency range | 606 MHz - 621 MHz |
| Modulation | FM |
| Channels | 32 |
| Audio frequency response | 45 Hz - 18 kHz |
| S/N ratio | > 105 dB |
| Antenna | Built-in spiral antenna |
| Transmitter's power | 15 mW |
| Working range | 90 m (Note: actual range depends on RF signal absorption, reflection and interference) |
| Polar pattern | Cardioid |
| Battery | 2 x 1,5 V AA Alkaline battery |
| Dimensions | 240 mm (length) |
| Weight | 302 g |
| Material | Aluminum |



| Technical Specifications | iLIVE 1 receiver |
|--------------------------|--|
| Power supply | 12-15 V DC, 1.25 A |
| Output | Balanced XLR, unbalanced 6,3 mm TS JACK |
| Receiver way | Two frequency conversion super-heterodynes |
| Intermediate frequency | 10,7 MHz |
| Antenna | BNC |
| T.H.D | < 0,7 % |
| Sensitivity | 6 dB μ V |
| Image rejection | 36 dB |
| Max. audio output | 0 dB |
| Dimensions (H x W x D) | 45 mm x 210 mm x 206 mm |
| Weight | 1.4 kg |
| Material | Steel enclosure, aluminum front panel |

WIRELESS MICROPHONES

iLive UHF Wireless Microphone Systems

iLive 1 true diversity wireless microphone systems

iLIVE 1 HEADSET

iLive 1 headset true diversity wireless microphone system with 32 selectable channels, automatic channel synchronization and automatic frequency selection. The microphone signal receiver, body pack transmitter with head worn, body color condenser microphone and jack/jack cable are included in every package. This system is designed for use in the theatres, conference rooms and on the stage.



| Technical Specifications | iLIVE 1 receiver |
|--------------------------|--|
| Power supply | 12-15 V DC, 1.25 A |
| Output | Balanced XLR, unbalanced 6,3 mm TS JACK |
| Receiver way | Two frequency conversion super-heterodynes |
| Intermediate frequency | 10,7 MHz |
| Antenna | BNC |
| T.H.D | < 0,7 % |
| Sensitivity | 6 dB μ V |
| Image rejection | 36 dB |
| Max. audio output | 0 dB |
| Dimensions (H x W x D) | 45 mm x 210 mm x 206 mm |
| Weight | 1.4 kg |
| Material | Steel enclosure, aluminum front panel |

| Technical Specifications | iLIVE 1 HM |
|--------------------------|--------------------------|
| Capsule type | Condenser |
| Impedance | 200 Ω |
| Sensitivity | -47 dB |
| Frequency | 45 Hz - 18 kHz |
| Connectors | 4 pin mini XLR connector |
| Phantom power voltage | 5V DC |
| Cable length | 1 m |
| Weight | 15 g |
| Colour | Skin (RAL 1014) |
| Accessories | Windscreens |

| Technical Specifications | iLIVE 1 body pack transmitter |
|--------------------------|--|
| Carrier frequency range | 606 MHz - 621 MHz |
| Modulation | FM |
| Channels | 32 |
| Audio frequency response | 45 Hz - 18 kHz |
| S/N ratio | > 105 dB |
| Antenna | 1/4 wave antenna |
| Input connector | 4 pin mini XLR connector |
| Transmitter's power | 15 mW |
| Working range | 90 m (Note: actual range depends on RF signal absorption, reflection and interference) |
| Polar pattern | Cardioid |
| Battery | 2 x 1,5 V AA Alkaline battery |
| Dimensions (H x W x D) | 110 mm x 64 mm x 25 mm |
| Weight | 165 g |
| Material | Plastic |

WIRELESS MICROPHONES

iLive UHF Wireless Microphone Systems

iLive 1 true diversity wireless microphone systems

iLIVE 1 LAVALIER

iLive 1 lavalier true diversity wireless microphone system with 32 selectable channels, automatic channel targeting and synchronization with automatic frequency selection. The microphone signal receiver, body pack transmitter with lavalier microphone and jack/jack cable are included in each set. Very stable signal transmission and reception, choice of selectable channel frequencies allows the use of the microphones in a various environments without any distortion.



| Technical Specifications | iLIVE 1 receiver |
|--------------------------|--|
| Power supply | 12-15 V DC, 1.25 A |
| Output | Balanced XLR, unbalanced 6,3 mm TS JACK |
| Receiver way | Two frequency conversion super-heterodynes |
| Intermediate frequency | 10,7 MHz |
| Antenna | BNC |
| T.H.D | < 0,7 % |
| Sensitivity | 6 dB μ V |
| Image rejection | 36 dB |
| Max. audio output | 0 dB |
| Dimensions (H x W x D) | 45 mm x 210 mm x 206 mm |
| Weight | 1.4 kg |
| Material | Steel enclosure, aluminum front panel |

| Technical Specifications | iLIVE 1 LM |
|--------------------------|--------------------------|
| Capsule type | Condenser |
| Impedance | 200 Ω |
| Sensitivity | -46 dB |
| Frequency | 50 Hz - 18 kHz |
| Connectors | 4 pin mini XLR connector |
| Phantom power voltage | 5 V |
| Cable length | 1 m |
| Weight | 21 g |
| Colour | Black RAL9017 |
| Accessories | Windscreen |

| Technical Specifications | iLIVE 1 body pack transmitter |
|--------------------------|--|
| Carrier frequency range | 606 MHz - 621 MHz |
| Modulation | FM |
| Channels | 32 |
| Audio frequency response | 45 Hz - 18 kHz |
| S/N ratio | > 105 dB |
| Antenna | 1/4 wave antenna |
| Input connector | 4 pin mini XLR connector |
| Transmitter's power | 15 mW |
| Working range | 90 m (Note: actual range depends on RF signal absorption, reflection and interference) |
| Polar pattern | Cardioid |
| Battery | 2 x 1,5 V AA Alkaline battery |
| Dimensions (H x W x D) | 110 mm x 64 mm x 25 mm |
| Weight | 165 g |
| Material | Plastic |

WIRELESS MICROPHONES

iLive UHF Wireless Microphone Systems

iLive 2 antenna diversity wireless microphone systems.

iLIVE 2 HANDHELD

iLive 2 handheld antenna diversity wireless microphone system with 32 selectable channels with automatic channel targeting and synchronization. The microphone signal receiver, handheld microphone transmitter and jack/jack cable are included in each set. Advanced design PCB and excellent quality metal body handheld microphone transmitter equipped with dynamic cardioid microphone capsule makes these sets very universal for use on stage and in the conference rooms.

| Technical Specifications | iLIVE 1 handheld transmitter |
|--------------------------|--|
| Carrier frequency range | 606 MHz - 621 MHz |
| Modulation | FM |
| Channels | 32 |
| Audio frequency response | 45 Hz - 18 kHz |
| S/N ratio | > 105 dB |
| Antenna | Built-in spiral antenna |
| Transmitter's power | 15 mW |
| Working range | 60 m (Note: actual range depends on RF signal absorption, reflection and interference) |
| Polar pattern | Cardioid |
| Battery | 2 x 1,5V AA Alkaline battery |
| Dimensions | 240 mm (length) |
| Weight | 302 g |
| Material | Aluminum |



| Technical Specifications | iLIVE 2 receiver |
|--------------------------|--|
| Power supply | 12-15 V DC, 1.25 A |
| Output | Balanced XLR, unbalanced 6,3 mm TS JACK |
| Receiver way | Two frequency conversion super-heterodynes |
| Intermediate frequency | 10,7 MHz |
| Antenna | BNC |
| T.H.D | < 0,7 % |
| Sensitivity | 6 dB μ V |
| Image rejection | 36 dB |
| Max. audio output | 0 dB |
| Dimensions (H x W x D) | 45 mm x 210 mm x 206 mm |
| Weight | 1.3 kg |
| Material | Steel enclosure, aluminum front panel |

WIRELESS MICROPHONES

iLive UHF Wireless Microphone Systems

iLive 2 antenna diversity wireless microphone systems.

iLIVE 2 HEADSET

iLive 2 headset antenna diversity wireless microphone system with 32 selectable channels with automatic channel targeting and synchronization. The microphone signal receiver, body pack transmitter with head-worn, body color condenser microphone and jack/jack cable are included in each set. The system is used on the stage and in the conference rooms.



| Technical Specifications | iLIVE 1 HM |
|--------------------------|--------------------------|
| Capsule type | Condenser |
| Impedance | 200 Ω |
| Sensitivity | -47 dB |
| Frequency | 45 Hz - 18 kHz |
| Connectors | 4 pin mini XLR connector |
| Phantom power voltage | 5 V |
| Cable length | 1 m |
| Weight | 15 g |
| Colour | Skin (RAL 1014) |
| Accessories | Windscreen |

| Technical Specifications | iLIVE 2 receiver |
|--------------------------|--|
| Power supply | 12-15 V DC, 1.25 A |
| Output | Balanced XLR, unbalanced 6,3 mm TS JACK |
| Receiver way | Two frequency conversion super-heterodynes |
| Intermediate frequency | 10,7 MHz |
| Antenna | BNC |
| T.H.D | < 0,7 % |
| Sensitivity | 6 dB μV |
| Image rejection | 36 dB |
| Max. audio output | 0 dB |
| Dimensions (H x W x D) | 45 mm x 210 mm x 206 mm |
| Weight | 1.3 kg |
| Material | Steel enclosure, aluminum front panel |

| Technical Specifications | iLIVE 2 body pack transmitter |
|--------------------------|--|
| Carrier frequency range | 606 MHz - 621 MHz |
| Modulation | FM |
| Channels | 32 |
| Audio frequency response | 45 Hz - 18 kHz |
| S/N ratio | > 105 dB |
| Antenna | 1/4 wave antenna |
| Input connector | 4 pin mini XLR connector |
| Transmitter's power | 15 mW |
| Working range | 60 m (Note: actual range depends on RF signal absorption, reflection and interference) |
| Polar pattern | Cardioid |
| Battery | 2 x 1,5 V AA Alkaline battery |
| Dimensions (H x W x D) | 110 mm x 64 mm x 25 mm |
| Weight | 76 g |
| Material | Plastic |

WIRELESS MICROPHONES

iLive UHF Wireless Microphone Systems

iLive 2 antenna diversity wireless microphone systems.

iLIVE 2 LAVALIER

iLive 2 lavalier antenna diversity wireless microphone system with 32 selectable channels with automatic channel targeting and synchronization. The microphone signal receiver, body pack transmitter with lavalier microphone and jack/jack cable are included in each set. Very stable signal transmission and reception, choice of selectable channel frequencies allows the use of the microphones in a various environments without any distortion.



| Technical Specifications | iLIVE 2 receiver |
|--------------------------|--|
| Power supply | 12-15 V DC, 1.25 A |
| Output | Balanced XLR, unbalanced 6,3 mm TS JACK |
| Receiver way | Two frequency conversion super-heterodynes |
| Intermediate frequency | 10,7 MHz |
| Antenna | BNC |
| T.H.D | < 0,7 % |
| Sensitivity | 6 dB μ V |
| Image rejection | 36 dB |
| Max. audio output | 0 dB |
| Dimensions (H x W x D) | 45 mm x 210 mm x 206 mm |
| Weight | 1.3 kg |
| Material | Steel enclosure, aluminum front panel |

| Technical Specifications | iLIVE 1 LM |
|--------------------------|--------------------------|
| Capsule type | Condenser |
| Impedance | 200 Ω |
| Sensitivity | -46 dB |
| Frequency | 50 Hz - 18 kHz |
| Connectors | 4 pin mini XLR connector |
| Phantom power voltage | 5V |
| Cable length | 1 m |
| Weight | 21 g |
| Colour | Black RAL9017 |
| Accessories | Windscreen |

| Technical Specifications | iLIVE 2 body pack transmitter |
|--------------------------|--|
| Carrier frequency range | 606 MHz - 621 MHz |
| Modulation | FM |
| Channels | 32 |
| Audio frequency response | 45 Hz - 18 kHz |
| S/N ratio | > 105 dB |
| Antenna | 1/4 wave antenna |
| Input connector | 4 pin mini XLR connector |
| Transmitter's power | 15 mW |
| Working range | 60 m (Note: actual range depends on RF signal absorption, reflection and interference) |
| Polar pattern | Cardioid |
| Battery | 2 x 1,5 V AA Alkaline battery |
| Dimensions (H x W x D) | 110 mm x 64 mm x 25 mm |
| Weight | 76 g |
| Material | Plastic |

WIRELESS MICROPHONES

iLive UHF Wireless Microphone Systems

iLive 2X2 dual channel wireless microphone receivers.

iLIVE 2X2

iLive 2X2 dual channel wireless receiver with 2 handheld transmitters, 32 selectable channels and automatic channel targeting. These universal dual channel receivers can be combined with handheld microphone or body pack transmitter together with lavalier or headset microphone. iLive 2X2 receivers can be used with all AMC iLive2 series hand held transmitters and body packs.



| Technical Specifications | iLIVE 2X2 |
|--------------------------|--|
| Carrier frequency range | 606 MHz - 621 MHz |
| Power supply | 12 - 15 V DC, 1.25 A |
| Outputs | Balanced XLR, unbalanced 6.3 mm TS jack |
| Receiver way | Two frequency conversion super heterodynes |
| Intermediate frequency | 10.7 MHz |
| Antenna connectors | BNC |
| THD | < 0,7 % |
| Sensitivity | 6 dB μ V |
| Image rejection | 36 dB |
| Max audio output level | 0 dBu |
| Dimensions | 45 mm x 210 mm x 206 mm |
| Weight | 1.4 kg |
| Material | Steel enclosure, aluminum front panel |

WIRELESS MICROPHONE SYSTEM
Live Star UHF Wireless Microphone System

Fixed frequency wireless microphone system.

Live Star UX3

Fixed frequency wireless microphone system with handheld transmitter. UX3 systems are available in 4 fixed frequencies:

626.63 MHz, 630.4 MHz, 863.425 MHz, 864.9 MHz. Simple setup, LED backlight display, RF and AF indicators, volume control, dynamic cardioid capsule, balanced XLR and unbalanced 6.3 mm TS jack outputs. iLive UX3 is perfect budget microphone system for schools or small meeting rooms.

| Technical Specifications | UX 3 |
|--------------------------|---|
| Carrier frequency range | 626.63 MHz & 630.4 MHz, 863.425 MHz & 864.9 MHz |
| Power supply | 12 - 16 V DC, 400 mA |
| Outputs | Balanced XLR, unbalanced 6.3 mm TS jack |
| Modulation | FM |
| Frequency response | 40 Hz - 18 kHz |
| THD | 0.5 % |
| S/N ratio | 85 dB |
| Antenna connector | BNC |
| Max audio output level | -6 dBu (balanced), -12 dBu (unbalanced) |
| Transmitter power | 10 mW |
| Working distance | 60 m (note: actual range depends of RF signal absorpoin and interference) |
| Capsule polar pattern | Cardioid |
| Battery | 2 x 1.5 V AA alkaline battery |
| Material | Plastic |
| Weight | 1.4 kg |
| Receiver dimensions | 42 mm x 200 mm x 150 mm |



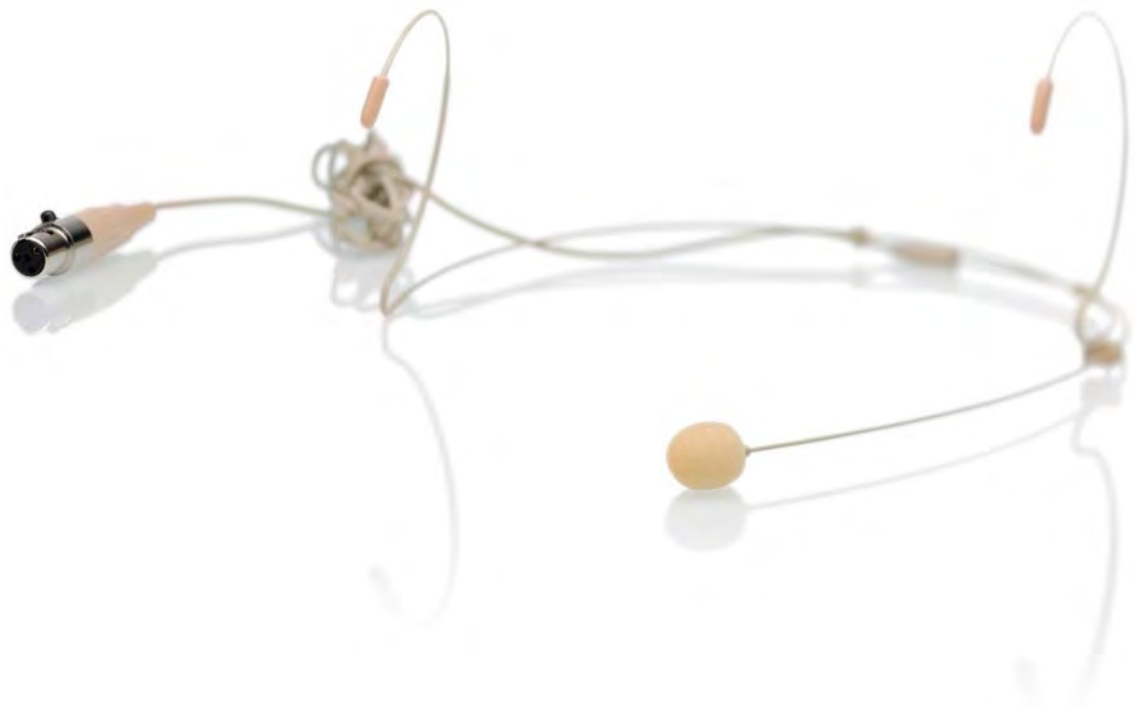
WIRELESS MICROPHONES

iLive Microphones

Microphones for iLive 1&2 body pack transmitters.

iLIVE 12HM

iLive HM headset microphones are ideally suited for vocal sound and speech application which requires much freedom of movement, such as dancing and sports. Microphone capsule diameter is only 3.0 mm. Light headsets allow using this headset very comfortable. For use only with iLive 1 and iLive 2 body pack.



| Technical Specifications | iLIVE 12HM |
|--------------------------|------------------|
| Capsule type | Condenser |
| Impedance | 200 Ω |
| Sensitivity | -47 dB |
| Frequency | 45 Hz - 18 kHz |
| Connectors | 4 pin - mini XLR |
| Phantom power voltage | 5 V DC |
| Cable length | 1 m |
| Weight | 15 g |
| Colour | Skin (RAL 1014) |
| Accessories | Windscreen |

WIRELESS MICROPHONES
iLive Microphones

Microphones for iLive 1&2 body pack transmitters.

iLIVE 12LM

iLive 12 LM lavalier microphones are used in TV or radio studio or for conference applications. For use in a wireless mode iLive 1 or iLive2 body pack transmitter is needed.



| Technical Specifications | iLIVE 12LM |
|--------------------------|------------------|
| Capsule type | Condenser |
| Impedance | 200 Ω |
| Sensitivity | -46 dB |
| Frequency | 50 Hz - 18 kHz |
| Connectors | 4 pin - mini XLR |
| Phantom power voltage | 5 V |
| Cable length | 1 m |
| Weight | 21 g |
| Colour | Black (RAL 1014) |
| Accessories | Windscreen |

WIRELESS MICROPHONES

Microphones

Microphones for iLive 1&2 body pack transmitters.

SH1

SH1 is light headset for our wireless systems with moisture-repellent and resistant to corrosion condenser capsule. Headset has easily adjustable belt to make the headset size comfortable to wear. The headset is made in skin colour and is virtually invisible during performance. Headset microphone sounds excellent and is sweat proof. Perfect choice for theatre, aerobic, dance show and other live entertainment events.



| Technical Specifications | SH1 |
|--------------------------|-------------------|
| Capsule type | Condenser |
| Impedance | 1,5 kΩ (at 1 kHz) |
| Sensitivity | -68 dB |
| Frequency | 70 Hz - 16 kHz |
| Connectors | 4 pin - mini XLR |
| Operating voltage | 1V - 10V |
| Cable length | 1,2 m |
| Weight | 30 g |
| Colour | Skin (RAL 1014) |
| Accessories | Windscreen, clip |

MOUNTING BRACKETS

Antenna Front Mount Rack Panel iLive ARP

iLive ARP Antenna rack mount for mounting antennas in the front of the rack. 1U high antenna rack mount panel with antenna cables with BNC connectors.



| Product Name | iLive ARP |
|--------------|-----------------------|
| Cable length | 2 x 80 cm |
| Connectors | BNC |
| Weight | 438 g |
| Dimensions | 45 mm x 485 mm x 2 mm |
| Colour | Black (RAL 9017) |

Receiver Mounting Brackets iLive MB 12

iLive MB 12 rack mount brackets for iLive single channel receivers.



| Product Name | iLive MB 12 |
|--------------|------------------|
| Set quantity | 2 pcs |
| Material | Steel |
| Fixing holes | 4 |
| Colour | Black (RAL 9017) |

Receiver Mounting Brackets iLive MB 12X2

iLive MB 12X2 rack mount brackets for two units of iLive1 and iLive2 receivers.



| Product Name | iLive MB12x2 |
|--------------|------------------|
| Set quantity | 4 pcs |
| Material | Steel |
| Colour | Black (RAL 9017) |

MICROPHONES

Vocal Microphones

Dynamic microphone for stage.

iSING D

Excellent quality metal bodied microphone with dynamic super cardioid capsule. iSing microphone has an integrated on/off switch and XLR connector and comes supplied with a 4.5m XLR-Jack audio cable.



| | iSing D |
|--------------------|--------------------|
| Frequency response | 80 Hz – 12 kHz |
| Sensitivity | -73 dBu |
| Output impedance | 600 Ω |
| Cable length | 4,5 m |
| Cable connectors | XLR - Mono ¼" jack |
| Weight | 360 g |
| Switch | ON/OFF |



MICROPHONES
Gooseneck Microphones

Gooseneck microphones for paging.

PAGE STATION

Flexible gooseneck condenser microphone with table stand, high sensitivity – 36 dB, 16 mm diameter capsule, 50 – 18 000 Hz frequency response and easily adjustable microphone neck. A phantom power adapter is integrated in to the table stand. Noise free on/off switch with led indicator, rubber coated body, balanced XLR connectors and high quality super cardioid capsule. Supplied with two different size windscreens.



| Technical Specifications | Page station |
|--------------------------|--|
| Capsule type | Condenser |
| Impedance | 200 Ω |
| Sensitivity | -36 dB |
| Frequency | 50 Hz–18 kHz |
| Connector | 3-pin male XLR |
| Polar pattern | Supercardioid |
| Phantom power voltage | 9 V - 50 V DC |
| Dimensions | 355 mm (microphone length) |
| Weight | 800 g |
| Material | Table stand - aluminum, goosneck - steel |
| Colour | Black |

MICROPHONES
Goosneck Microphones

Goosneck microphones for paging.

TALK C1 & TALK D

Goosneck microphones can be used with TALK ST and TALK ST Z2 table stands.

TALK C1 – condenser microphone with integrated phantom power adapter, high sensitivity,

80 Hz - 18 kHz frequency response, supplied with windscreen.

Talk D – dynamic microphone with robust construction and steel grill capsule basket.



Table stands sold separately



TALK C1 Capsule



TALK D Capsule

| Technical Specifications | Talk C1 | TALK D |
|--------------------------|--------------------|-----------------|
| Capsule type | Electret condenser | Dynamic |
| Impedance | 220 Ω | 500 Ω |
| Sensitivity | -60 dB | -76 dB |
| Frequency | 80 Hz - 18 kHz | 150 Hz - 12 kHz |
| Connector | 3-pin male XLR | |
| Polar pattern | Supercardioid | |
| Phantom power voltage | 9 V - 52 V DC | - |
| Length | 456 mm | 425 mm |
| Weight | 120 g | 176 g |
| Material | Steel | |
| Colour | Black | |

MICROPHONES

Table Stands for Goosneck Microphones

TALK table stands for goosneck microphones.

TALK ST & TALK ST Z2

TALK microphones stands for XLR goosneck microphone, with push-to-talk buttons.

TALK ST is for single zone and TALK ST Z2 is for two zone paging. Three buttons on TALK ST Z2 allow to make announcement to zone 1, zone 2 or both zones together.

| Technical Specifications | Talk ST | TALK ST Z2 |
|--------------------------|--|---|
| Connector | Microphone input: 3-pin female XLR Cable: 3-pin male XLR | Microphone input: 3-pin female XLR Cable: 5-pin male XLR |
| Characteristics | Plug-in metal desk stand with push to talk switch for microphones with XLR connector | |
| Dimensions | 45 mm x 110 mm x 140 mm | |
| Weight | 856 g | |
| Material | Die-cast metal, rubber feet | |
| Colour | Black | |





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