



ACO Pro Audio For Better Sound Quality



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PRODUCT DESCRIPTION

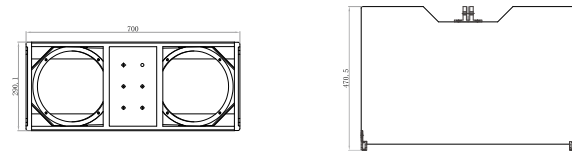
- ★ACO-LA series linear array speaker technology features: It is an external two-way speaker and a low-frequency expansion speaker (using horn waveguide technology) that form a linear array speaker. The design is compact, the equipment is convenient, and the transportation is flexible. It adopts RVS patented sound interference technology to ensure that the sound interferes with each other in the sound waves emitted by adjacent speakers.
- ★Application scope of ACO-LA series linear array speakers: used in high sound pressure transmission places such as mobile performances, sports stadiums, and large theaters and auditoriums.
- ★ACO-LA series linear array speaker unit configuration: The ACO-LA full range high-frequency horn adopts H-direction 100 degree coverage, which can accommodate places with wide sound fields; The V angle is adjustable from 0 degrees to 10 degrees, which can accommodate the audience entering the venue. At the same time, we have adopted some professional adjustment techniques, which can be used to pull the sound speaker. Reduce costs and improve efficiency. ACO-LA18B consists of an 18 inch (100 core copper winding coil) paper cone bass, which is characterized by high temperature resistance, rich low frequency, and high power. Adopting a symmetrical magnetic circuit design to reduce second harmonic distortion. Ensure purer sound quality.
- ★ACO-LA adopts a T-shaped design for all frequencies, while ACO-LA18B has a rectangular appearance. The box is made of 18 centimeter birch wood and sprayed with black dot paint on the outside. Each is equipped with two four core SPEAKON card sockets. Using a 1.8mm iron mesh. The box adopts linear suspension, which can be hung at an angle of 0 to 10 degrees.

STRUCTURE SIZE

ACO-LA18B



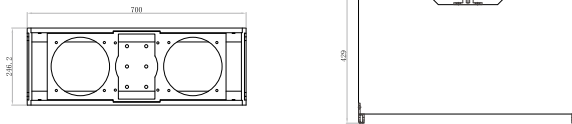
ACO-LA210



ACO-LA210T



ACO-LA208T



TECHNICAL PARAMETERS

| Model | ACO-LA18B | ACO-LA210 | ACO-LA210T | ACO-LA208T |
|--------------------|--|---|--|--|
| Rated Power(AES) | 700W | HF:150W/LF500W | HF:150W/LF500W | HF:120W/LF400W |
| Nominal Impedance | 8 Ohms | HF:8 Ohms/LF16 Ohms | HF:8 Ohms/LF16 Ohms | HF:8 Ohms/LF16 Ohms |
| System Type | 1 × 18 "ultra-low frequency system | 2 × 10 "high-efficiency two-way linear array system | 2 × 10 "high-efficiency two-way three-unit | 2 × 8 "high-efficiency two-way linear array system |
| Frequency Range | 30Hz-300Hz (-10dB) | 75Hz-20kHz (-10dB) | 75Hz-20kHz (-10dB) | 60Hz-20kHz(-10dB) |
| Frequency Response | 35Hz-200Hz(±3dB) | 80Hz-20kHz(±3dB) | 80Hz-20kHz(±3dB) | 80Hz-18kHz(±3dB) |
| Sensitivity(1W/1m) | 100dB | HF:113dB LF:109dB | HF:108dB LF:98dB | HF:105dB LF:108dB |
| Nominal Dispersion | / | H100° × V10° | H90° × V12° | H90° × V8° |
| Suspension angle | / | 0°, 2°, 4°, 6°, 8°, 10° | 0°, 2°, 4°, 6°, 8°, 10°, 12° | 0°, 2°, 4°, 6°, 8°, 10° |
| Max SPL | / | HF:135dB/131dB Peak | / | HF:128dB/134dB Peak |
| | 128dB | LF:136dB/144dB Peak | 132dB | LF:125dB/131dB Peak |
| SurfaceTreatment | Black water-based environmentally friendly paint | Black water-based environmentally friendly paint | Black water-based environmentally friendly paint | Black water-based environmentally friendly paint |
| HF Driver | / | 2 "× 1 (44mm) Neodymium neodymium iron boron | 1.5 "× 1 (75mm) | 1.75 "× (44mm) Neodymium neodymium iron boron |
| LF Driver | 18"×1 (100mm) | 10" × 2 (75mm) | 10 "× 2 (65mm) | 8"×2 (55mm) |
| Product Dimensions | 700×650×539 mm(W×D×H) | 700 ×471×290 mm(W × D×H) | 700 ×294×475 mm (W×D× H) | 700 ×430×246 mm (W×D× H) |

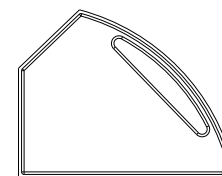
ACO-CRM12M



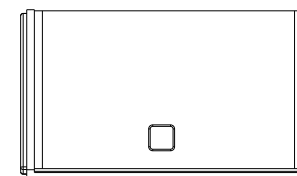
PRODUCT DESCRIPTION

- ★ACO-CRM12M technology features: It is a built-in two-way speaker that uses plane wave guidance technology, phase delay conduction of sound waves, and superposition technology of sound wave guidance. The speaker has high sensitivity, beautiful sound, clear hierarchy, and thick low frequency; High frequency transparency.
- ★ACO-CRM12M application scope: Used as a listening speaker in high-end entertainment venues such as bars, music halls, performing arts venues, multi-purpose halls, nightclubs, etc.
- ★ACO-CRM12M unit configuration: consisting of a 12 inch paper basin bass and a 44 core neodymium magnetic treble. The bass uses a 65 core copper-clad aluminum winding coil made of high-temperature resistant polyester skeleton. The characteristics of this type of voice coil are high efficiency, fast speed, high power, and transparent sound. Adopting a symmetrical magnetic circuit design reduces second harmonic distortion. The sound is purer and cleaner. The treble is made of imported titanium film, 44 core voice coil, heat-resistant enameled copper aluminum flat coin, 1-inch compressed throat, and designed with copper short-circuit ring to improve high-frequency extension and reduce distortion.
- ★ACO-CRM12M adopts a triangular appearance, with a curved front panel design and two sound transmission holes added. On the basis of strengthening acoustics, the internal volume of the box has been increased. The box is made of 18 centimeter birch wood and sprayed with black wear-resistant paint on the outside. Two four pin speaker sockets and four anti vibration foot pads. Using a 1.5-centimeter thick steel mesh. The box adopts multi angle flat placement and support, which is convenient and flexible for application.

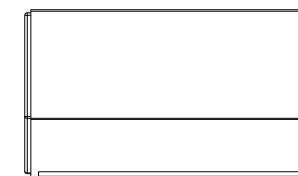
STRUCTURE SIZE



Top View



Front View



Lateral View

TECHNICAL PARAMETERS

| Model | ACO-CRM12M |
|--------------------|--|
| Rated Power(AES) | 350W |
| Nominal Impedance | 8Ohms |
| System Type | 1 × 12 "high-efficiency two-way crossover |
| Frequency Range | 45Hz-20KHz(-10dB) |
| Frequency Response | 70Hz-18KHz(±3dB) |
| Sensitivity(1W/1m) | 99dB |
| Nominal Dispersion | H80° × V60° |
| Max SPL | 124dB |
| SurfaceTreatment | Black water-based environmentally friendly paint |
| HF Driver | 2 "× 1 (44mm) |
| LF Driver | 12 "× 1 (65mm) |
| Product Dimensions | 580 x 330 x 425mm |

ACO-DUL20A+(HDL-20A NEO)

PRODUCT DESCRIPTION

- ★A reimagined active full frequency audio, reengineered for modern audio professionals to meet evolving needs.
- ★Upgraded from traditional plastic to premium solid wood cabinet, enhancing structural rigidity and minimizing resonance for cleaner sound reproduction.
- ★Integrated high-resolution DSP processor, optimized driver alignment, and improved thermal management for enhanced clarity and reliability.
- ★Delivers precise audio accuracy across diverse environments, ensuring faithful sound reproduction for critical listening.
- ★Versatile design suits studios, live rooms, and post-production spaces, adapting to varied professional applications.
- ★Combines structural innovation, advanced processing, and acoustic precision to set a new benchmark for high-fidelity sound system.



- ★Meet the reengineered Active Full Frequency Audio – a modern take on a classic design, tailored for today's discerning audio professionals.
- ★The original plastic cabinet has been upgraded to premium solid wood, boosting structural rigidity and cutting unwanted resonance.
- ★Advanced internal innovations include a high-resolution DSP processor, optimized driver alignment, and improved thermal management.
- ★This audio system delivers exceptional clarity and accuracy across diverse professional environments.
- ★Whether in studios, live stages, or post-production spaces, it adapts seamlessly to varied needs.
- ★A blend of structural upgrades, smart tech, and acoustic precision redefines reliable full-frequency monitoring.

ACO-DUL30A+(HDL30A NEO)



TECHNICAL PARAMETERS

| Model | ACO-DUL20A+ | |
|--------------------|-------------------------------------|--|
| Cell structure | 2 - Way speaker(Tweeter+woofer) | Cabinet Material Premium Solid Wood |
| Impedance | 8 Ω | Woofer 6.5" (165mm) Neodymium Magnet |
| Rated power | 1400 Watt Peak power - 700 Watt RMS | Tweeter 1.5" (40mm) Silk Dome, Neodymium Magnet |
| Sensitivity | 98dB (1W/1m) | Coverage Angle H100°×V60° |
| Frequency response | 50Hz-18kHz (±3dB) | Surface Treatment Black polyurethane (black gold sand) spray coating |
| Frequency range | 45Hz-20kHz (-10dB) | Amplifier Type Class-D (Efficient, Low Heat) |
| Maximum SPL | 118dB (peak) | Box size 380×250×280mm |

| Model | ACO-DUL30A+ | |
|--------------------|--------------------------------------|--|
| Cell structure | 2 - Way speaker(Tweeter+woofer) | Cabinet Material Premium Solid Wood |
| Impedance | 8 Ω | Woofer 8" (200mm) Neodymium Magnet |
| Rated power | 2200 Watt Peak power - 1100 Watt RMS | Tweeter 1.75" (44mm) Silk Dome, Neodymium Magnet |
| Sensitivity | 98dB (1W/1m) | Coverage Angle H100°×V60° |
| Frequency response | 45Hz-18kHz (±3dB) | Surface Treatment Black polyurethane (black gold sand) spray coating |
| Frequency range | 35Hz-20kHz (-10dB) | Amplifier Type Class-D (High-Efficiency, Low Heat) |
| Maximum SPL | 122dB (peak) | Box size 420×280×320mm |

SUBWOOFER OF HDL20A

ACO-SW20+



PRODUCT DESCRIPTION

- ★Professional designed multi-sided cabinet structure can increase the sound field reflection and superposition effect, and effectively enhance the sound pressure level.
- ★Equipped with professional strong magnetic bass unit and high-quality neodymium magnet unit.
- ★The frequency division circuit specially designed for singing and conferences highlights the mellow mid-frequency sound, clear and bright human voice, soft and delicate high frequency, and full and elastic low frequency.
- ★The cabinet is made of high-quality environmentally friendly wood panels, and the interior is designed with a reinforced support structure, which can effectively reduce the internal energy consumption of the cabinet.
- ★The surface is coated with environmentally friendly spray paint, which is moisture-proof and wear-resistant, providing better protection during handling or installation.
- ★Applicable places: Professional KTV private rooms, conference halls, multimedia halls, multi-function halls, supermarket sound amplification, school classrooms, etc.



TECHNICAL PARAMETERS

| Model | ACO-10A | ACO-12A |
|--------------------|--|--|
| System | Two frequency | Two frequency |
| Unit Composition | 1x10" 180mm-75mm Bass 1xNeodymium magnet 44mm | 1x12" 180mm-75mm Bass 1xNeodymium magnet 44mm |
| Frequency Response | 65Hz-18KHz | 65Hz-18KHz |
| Rated power | 380W | 450W |
| Peak power | 580W | 630W |
| Sensitivity | 109dB | 110dB |
| Sound press Level | 121dB | 122dB |
| Rated resistance | 8 Ω | 8 Ω |
| Directivity | 70° horizontal | 70° horizontal |



ACO-206



- ★ This series of dual 6.5-inch linear array speakers is a small to medium-sized, high-precision linear array speaker system.
- ★ Carefully tuned by the engineering and technical team to produce master level sound quality effects. Equipped with two 6.5-inch imported paper cone bass units and professional horn treble, it has good low-frequency elasticity, clear and transparent mid frequency with distinct layers, bright treble, and long range.
- ★ Accurate phase calibration on components and professionally designed linear horn applications enable perfect playback of frequency spectrum signals within the specified range.
- ★ The suspension system adopts the latest ergonomics and mechanical design, making the installation of the entire system fast and safe.
- ★ The box is made of high-quality birch multi-layer plywood and is made of wear-resistant and environmentally friendly black gold sand spray coating.
- ★ Applicable venues: banquet halls, small and medium-sized performance systems, theaters, music halls, performance centers, conference centers.

- ★ This series of linear array subwoofers is a small to medium-sized, high-precision linear array speaker system.
- ★ It has a great dynamic capacity and is equipped with an imported paper tray 15 inch ultra-low unit, ensuring strong and powerful low-frequency sound output.
- ★ Adopting the latest ergonomics and mechanical design, the entire system is installed quickly and safely when paired with wire pillars.
- ★ The box is made of high-quality environmentally friendly birch plywood and coated with environmentally friendly paint.
- ★ Used in conjunction with dual 6.5-inch linear array full range speakers, it drives the music effect of the entire linear array system.
- ★ Applicable venues: banquet halls, small and medium-sized performance systems, theaters, music halls, conference centers.

ACO-2615



PRODUCT DESCRIPTION

PRODUCT DESCRIPTION

ACO-208



- ★ This series of dual 8-inch linear array speakers is a small to medium-sized, high-precision linear array speaker system.
- ★ Carefully tuned by the engineering and technical team to produce master level sound quality effects. Equipped with two 8-inch imported paper cone bass units and a professional 75 core tweeter unit, it has good low-frequency elasticity, clear and transparent mid frequency with distinct layers, bright high frequency, and long range.
- ★ This system has a large dynamic capacity, precise phase tuning on components, and professionally designed linear horn applications that can perfectly reproduce spectral signals within a specified range.
- ★ The suspension system adopts the latest ergonomics and mechanical design, making the installation of the entire system fast and safe.
- ★ The box is made of high-quality birch multi-layer plywood and is made of wear-resistant and environmentally friendly black gold sand spray coating.
- ★ Applicable venues: banquet halls, small and medium-sized performance systems, theaters, music halls, performance centers, conference centers.

ACO-2818S



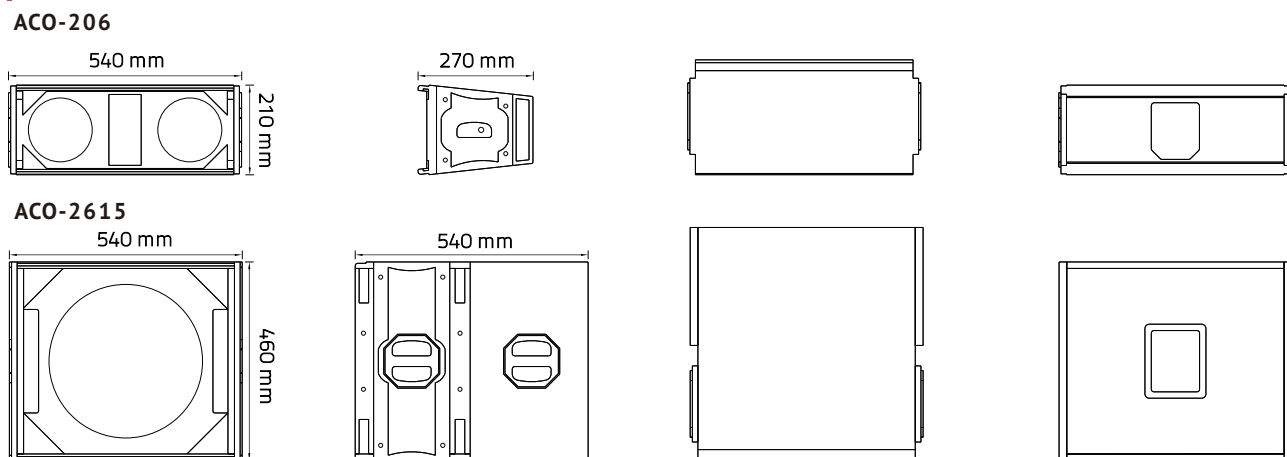
- ★ This series of 18 inch linear array subwoofers is a small to medium-sized, high-precision linear array speaker system.
- ★ It has a great dynamic capacity and is equipped with an imported paper tray 15 inch ultra-low unit, ensuring strong and powerful low-frequency sound output.
- ★ Adopting the latest ergonomics and mechanical design, the entire system is installed quickly and safely when paired with wire pillars.
- ★ The box is made of high-quality environmentally friendly birch plywood and coated with environmentally friendly paint.
- ★ Used in conjunction with dual 8-inch linear array full range speakers, it drives the music effect of the entire linear array system.
- ★ Applicable venues: banquet halls, small and medium-sized performance systems, theaters, music halls, conference centers.

TECHNICAL PARAMETERS

| Model | ACO-206 | | |
|--------------------|--|-------------------|--|
| Cell structure | 2 - Way Low(6.5" x 2),Hi(1.35"Dynamic x 1) | Connection type | ± 1 LHF |
| Impedance | 8 Ω | System type | Built in frequency divider |
| Rated power | 300w | Box type | Trapezoidal box |
| Sensitivity | 96dB | material quality | Imported high-quality birch multi-layer plywood |
| Frequency response | 85Hz~18KHz | Surface Treatment | Black polyurethane (black gold sand) spray coating |
| Coverage | 120° x 20° | Face Net | Black porous powder coated steel mesh and transparent speaker mesh |
| Connector | 2 x Speakon NL4 | Box size | W540 x D270 x H210mm |

| Model | ACO-2615 | | |
|--------------------|-----------------------------|-------------------|--|
| specifications | 15 " linear array subwoofer | connector | 2 x Speakon NL4 |
| cell structure | Bass(15" x 1) | connection type | ± 1 LHF |
| Impedance | 8 Ω | material quality | Imported high-quality birch multi-layer plywood |
| rated power | 500w | Surface Treatment | Black polyurethane (black gold sand) spray coating |
| frequency response | 40Hz~300Hz | Face Net | Black porous powder coated steel mesh and transparent speaker mesh |
| sensitivity | 98dB | Box size | W 540 x D 540 x H 460mm |

STRUCTURE SIZE

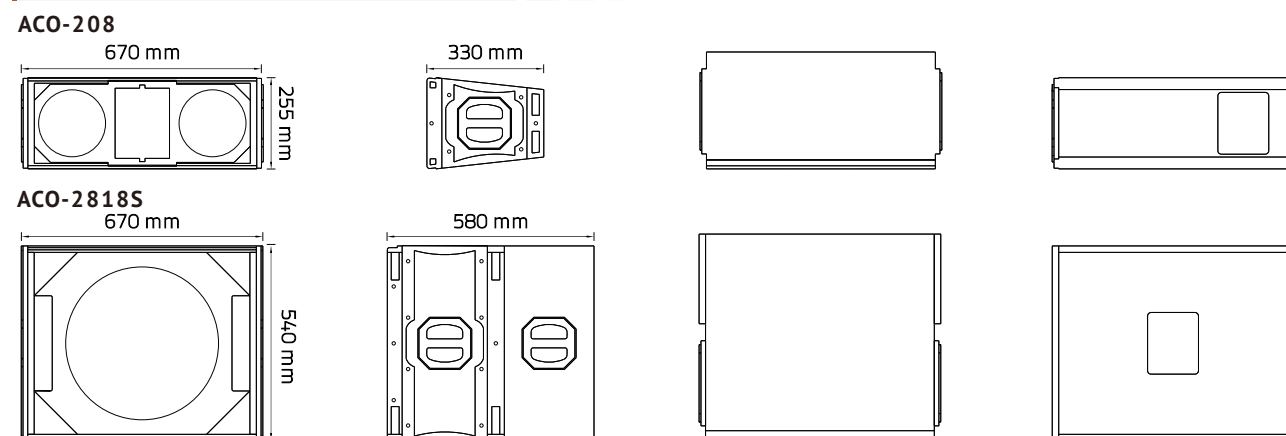


TECHNICAL PARAMETERS

| Model | ACO-208 | | |
|----------------------|---|-------------------|--|
| types of | Full frequency two division | connector | 2 x Speakon NL4 |
| woofer | 2 x8 " high-quality aerospace magnetic bass unit | connection type | ± 1 LHF |
| tweeter | 1 x1.75 " high-quality aerospace magnetic 75 core compression drive | System type | Built in frequency divider |
| Frequency response | 60Hz~18KHz | Surface Treatment | Black polyurethane (black gold sand) spray coating |
| sensitivity | 135dB | Cabinet material | High quality imported birch multi-layer plywood |
| Impedance | 8 Ω | Box type | Trapezoidal box |
| sound pressure level | 109dB | Face Net | Black porous powder coated steel mesh and transparent speaker mesh |
| peak power | 800w | Box size | W 670 x D 330 x H 255mm |
| rated power | 400w | | |

| Model | ACO-2818S | | |
|--------------------|----------------------------------|-----------------------|--|
| configuration unit | 18 " x 1 (220 magnetic 100 core) | Surface Treatment | Black polyurethane (black gold sand) spray coating |
| rated power | 600w | material quality | Imported high-quality birch multi-layer plywood |
| peak power | 1000w | connection type | ± 1 LHF |
| frequency response | 45Hz~130Hz(±3dB) | Face Net | Black porous powder coated steel mesh and transparent speaker mesh |
| sensitivity | 100dB | Box size | W 670 x D 580 x H 540mm |
| Nominal impedance | 8 Ω | Net weight of the box | 45KG |
| connector | 2 x Speakon NL4 | | |

STRUCTURE SIZE



ACO-210N



- ★ This series of dual 10 inch linear array speakers is a medium-sized, high-precision linear array speaker system.
- ★ With great dynamic capacity, precise phase tuning on components, and professionally designed linear horn applications, it can perfectly reproduce frequency spectrum signals within the specified range.
- ★ Equipped with two 10 inch imported paper basin bass and a neodymium magnetic 75 core tweeter, carefully tuned by an engineering team.
- ★ Master level rigorous design interprets perfect sound quality effects. Good low-frequency elasticity, clear and transparent mid frequency with distinct layers, bright high frequencies, and long range.
- ★ The suspension system adopts the latest ergonomics and mechanical design, making the installation of the entire system fast and safe.
- ★ The box is made of high-quality birch multi-layer plywood and is made of wear-resistant and environmentally friendly black gold sand spray coating.
- ★ Applicable venues: banquet halls, stage performance systems, theaters, music halls, performance centers, conference centers.

- ★ This series of 18 inch linear array subwoofers is a mid size, high-precision linear array speaker system.
- ★ With great dynamic capacity, precise phase tuning on components, and professionally designed linear horn applications, it can perfectly reproduce frequency spectrum signals within the specified range.
- ★ Equipped with an imported paper basin 18 inch ultra-low unit, carefully tuned by a team of engineers to produce master level sound quality effects. Good low-frequency elasticity, clear and transparent mid frequency with distinct layers, bright high frequencies, and long range.
- ★ The suspension system adopts the latest ergonomics and mechanical design, making the installation of the entire system fast and safe.
- ★ The box is made of high-quality birch multi-layer plywood and is made of wear-resistant and environmentally friendly black gold sand spray coating.
- ★ Used in conjunction with dual 10 inch linear array full range speakers, suitable for venues such as banquet halls, stage performance systems, theaters, music halls, performance centers, and conference centers.

ACO-21018S



PRODUCT DESCRIPTION

PRODUCT DESCRIPTION

ACO-3212



This series of dual 12-inch line array systems adopts a three-way design, with extremely large dynamic capacity, and the phase effect on the components isAnd professionally designed linear horn applications can perfectly reproduce spectrum signals within the specified range. The unit uses two 12-inch. High-quality full-range speakers, two 6.5-inch center and two neodymium 44-core tweeters, with good low-frequency output and mid-rangeThe frequency is clear, transparent and layered, the treble is bright and the range is long.

The hanging system adopts the latest ergonomics and mechanical design, making the entire system installation quick and safe.

The box body is made of high-quality birch multi-layer plywood and is spray-painted with wear-resistant and environmentally friendly black gold sand.

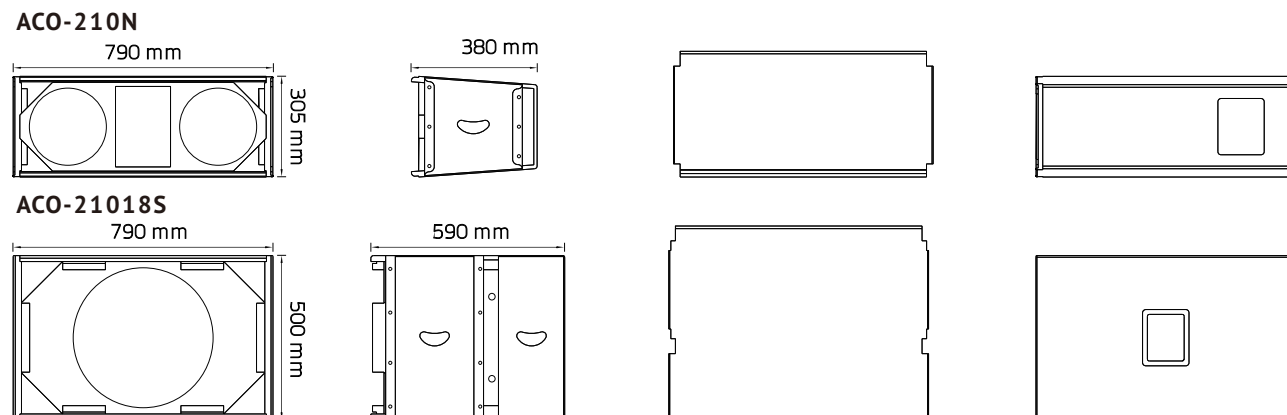
Suitable for professional stage performance systems, bar sound systems, banquet halls, multi-functional lecture halls and auditorium opera houses, etc. Sound system engineering.

TECHNICAL PARAMETERS

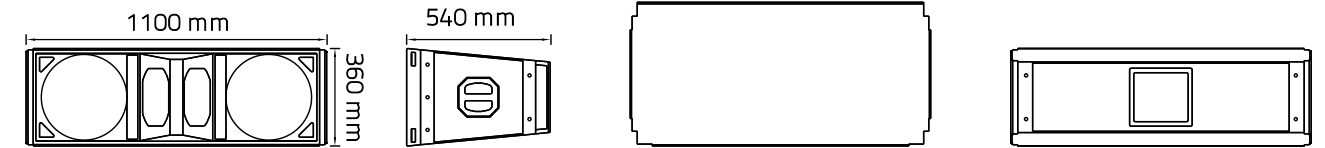
| Model | ACO-210N | | |
|------------------------|--|-------------------|--|
| Frequency response | 65Hz~18KHz | connection type | ± 1 LHF |
| sensitivity | 104dB±3dB | System type | Built in frequency divider |
| Maximum sound pressure | 126dB±3dB | Surface Treatment | Black polyurethane (black gold sand) spray coating |
| impedance | 16 Ω | material quality | Imported high-quality birch multi-layer plywood |
| rated power | 600W | Box type | Trapezoidal box |
| unit | Bass 2 x 10" (250mm), treble 3" (neodymium magnet 75 core) | Face Net | Black porous powder coated steel mesh and transparent speaker mesh |
| Coverage | 70° x 50° | Box size | W 790 x D 380 x H 305mm |
| connector | 2 x Speakon NL4 | Net weight | 26KG |

| Model | ACO-21018S | | |
|--------------------|---------------------------------|-----------------------|--|
| Configuration unit | 18" x 1 (220 magnetic 100 core) | Connection method | ± 1 LHF |
| Rated power | 600W | material quality | Imported high-quality birch multi-layer plywood |
| Peak power | 1000W | Surface Treatment | Black polyurethane (black gold sand) spray coating |
| Frequency response | 45Hz~130Hz(±3dB) | Face Net | Black porous powder coated steel mesh and transparent speaker mesh |
| Sensitivity | 100dB | Box size | W 790 x D 590 x H 500mm |
| Nominal impedance | 8 Ω | Net weight of the box | 48KG |
| Connector | 2 x Speakon NL4 | | |

STRUCTURE SIZE



STRUCTURE SIZE



TECHNICAL PARAMETERS

| Model | ACO-3212 | | | | |
|-------------------|--|--------------------|--|-------------|-------|
| bass | 2x12" (320mm neodymium magnet) | Frequency response | 46Hz - 1KHz ±3dB | Sensitivity | 106dB |
| impedance | 16 Ω (8 Ω in parallel) | rated power | 600W | | |
| Alto | 2x8" (210mm neodymium magnet) | Frequency response | 58Hz - 4.8KHz ±3dB | Sensitivity | 103dB |
| impedance | 16 Ω (8 Ω in parallel) | rated power | 400W | | |
| Treble | 2x1.75" moving coil (210mm neodymium magnet) | Frequency response | 800Hz - 20KHz ±3dB | Sensitivity | 106dB |
| impedance | 16 Ω (8 Ω in parallel) | rated power | 200W | | |
| crossover point | 1.3KHz | Material | Imported high-quality birch multi-layer plywood | | |
| coverage angle | 10° x 100° | surface treatment | Black polyurethane (black gold sand) spray coating | | |
| Connector | 2 x Speakon NL4 | Face net | Black porous powder-coated steel mesh and sound-transparent speaker mesh | | |
| Connection method | ± 1 LHF | | | | |
| System type | Built-in crossover | Cabinet size | 1100 x 360 x 540mm | | |
| Cabinet type | Trapezoidal cabinet | Product Weight | 38KG | | |



PRODUCT DESCRIPTION

The Hy series is designed for conference rooms and multi-purpose halls, with a simple appearance and easy installation. It can be easily set up with only 2 engineering personnel system. A special process is used when the equipment is polymerized to ensure that it can achieve normal high quality while maintaining the safety performance of medicines and other products. functional characteristics. The combination angle of the speakers is 10 degrees, so the most dispersed coverage is the entire field. We rarely have the right quantity with Ultra-low ground: The components can form a sound reinforcement system with wide carton performance, long projection distance, high sound pressure and good listening experience.

TECHNICAL PARAMETERS

| Model | ACO-606N | ACO-808N |
|------------------------------|--|-------------------------------------|
| Bass unit | 6.5-inch 140 magnetic 51-core bass x 2 | 8 inch 156 magnetic 65 core bass x2 |
| Tweeter | 1.75" (44 core) tweeter x1 | 1.75" (44 core) tweeter x1 |
| Divider | Two-way 3-unit frequency division | Two-way 3-unit frequency division |
| impedance | 8 Ω | 8 Ω |
| High and low crossover point | 1.8KHz | 1.8KHz |
| Sensitivity | 102dB ± 3dB | 104dB±3dB |
| Maximum sound pressure | 120dB ± 3dB | 126dB±3dB |
| rated power | 300W | 400W |
| Frequency response | 60-18KHz | 65-18KHz |
| plate | 18mm plywood | 18cm plywood |
| surface material | Black polyurethane spray | Black polyurethane spray |
| face mask | 1.5cm hardened iron mesh | 1.5cm hardened iron mesh |
| Binding post | Speakon NL4 x 2 | Speakon NL4 x 2 |
| net size | 535 x 270 x 215mm | X x mm |

PRODUCT DESCRIPTION

The HY series line array is developed for high-end conference venues and high-end wedding venues. The entire series of speaker units adopts the vocal high-definition Reduced fiber paper cone, ultra-low distortion. It can be freely combined when hoisted or placed on the floor, and can be hoisted with a field frame. Can be stacked on the ground. The site requirements are high and the anti-interference ability is strong.



TECHNICAL PARAMETERS

| Model | ACO-60615S | ACO-80815S |
|------------------------|--------------------------------------|---------------------------------------|
| Bass unit | 15 inch 190 magnetic 75 core bass x1 | 18 inch 220 magnetic 100 core bass x1 |
| impedance | 8 Ω | 8 Ω |
| Sensitivity | 104dB±3dB | 104dB±3dB |
| Maximum sound pressure | 126dB±3dB | 126dB±3dB |
| rated power | 500W | 650W |
| Frequency response | 35-300Hz | 35-300Hz |
| plate | 18mm plywood | 18mm plywood |
| surface material | Black polyurethane spray | Black polyurethane spray |
| face mask | 1.8cm hardened iron mesh | 1.8cm hardened iron mesh |
| Binding post | Speakon NL4 x 2 | Speakon NL4 x 2 |
| net size | 535 x 545 x 460mm | Xxmm |

PRODUCT DESCRIPTION

The specially designed box structure and internal structure effectively increase the sound field reflection superposition effect and effectively enhance the sound pressure level. The system is equipped with a 15-inch professional high-power woofer and a high-quality dynamic compression horn tweeter. The professional horn brings a transparent and bright vocal effect, rich in layers, long range, round and reasonable, high frequency is soft and delicate, and has a very high degree of restoration. The 380mm large-diameter unit outputs powerful and explosive low frequencies, with powerful and full penetration and full flexibility. The box body is made of high-quality environmentally friendly wooden boards, and the interior is designed with a reinforced support structure, which can effectively reduce the energy consumption of the box body. The surface adopts environmentally friendly spray paint coating, which is moisture-proof and wear-resistant, providing better protection during transportation or installation. The high-strength molded steel mesh installed on the front can effectively protect the unit and suppress harmful vibrations under high power of the system. The cabinet is equipped with hanging points for M8 screws, which facilitates installation and adapts to various uses. Applicable places: stage performances, professional KTV rooms, conference halls, multimedia halls, multi-functional halls, Supermarket loudspeaker, school classroom, etc.



TECHNICAL PARAMETERS

| Model | ACO-1070 | ACO-1270 | ACO-1570 | ACO-2570 |
|------------------------------|----------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Bass unit | 1 x 10 inch 156 magnetic 65 core | 1 x 12 inch 190 magnetic 75 core | 1 x 15 inch 190 magnetic 75 core | 1 x 15 inch 190 magnetic 75 core |
| tweeter | 1*1.7 inch horn tweeter 34 cores | 1 * 1.7 inch horn tweeter 51 cores | 1 * 1.7 inch horn tweeter 51 cores | 1 * 1.7 inch horn tweeter 51 cores |
| crossover | Two-way two-unit | Two-way two-unit | Two-way two-unit | Two-way two-unit |
| impedance | 8 Ω | 8 Ω | 8 Ω | 8 Ω |
| High and low crossover point | 1.8KHz | 1.8KHz | 1.8KHz | 1.8KHz |
| Sensitivity | 96dB | 96dB | 98dB | 98dB |
| Withstand power | 250W | 350W | 450W | 450W |
| Frequency response | 50Hz - 20KHz | 50Hz - 20KHz | 50Hz - 20KHz | 50Hz - 20KHz |
| plate | 18mmMDF | 18mmMDF | 18mmMDF | 18mmMDF |
| surface material | black dot spray | black dot spray | black dot spray | black dot spray |
| face mask | 1.2mm hardened black | 1.2mm hardened black | 1.2mm hardened black | 1.2mm hardened black |
| Binding post | Speakon NL 4 x 2 | Speakon NL 4 x 2 | Speakon NL 4 x 2 | Speakon NL 4 x 2 |



TECHNICAL PARAMETERS

| Model | ACO-1070 |
|--------------------|--|
| Bass unit | 1 x 18-inch 220 magnetic 100-core aluminum frame |
| impedance | 8 Ω |
| Sensitivity | 98dB |
| rated power | 600W |
| Frequency response | 20Hz-180Hz |
| plate | MDF |
| surface material | black matt paint |
| face mask | Black matte iron mesh |

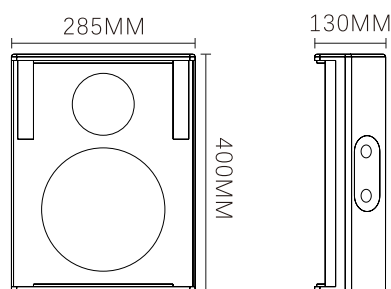


PRODUCT DESCRIPTION

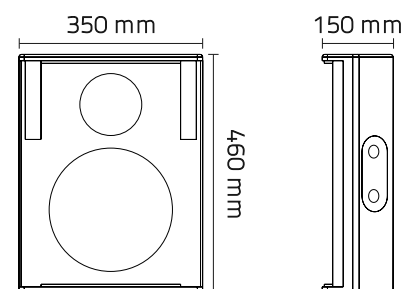
- ★ B series ultra-thin sound system.
- ★ The surface of the box is made of environmentally friendly spray paint, which is beautiful, wear-resistant and durable. Set 2 NL4Mp professional four-core on the aluminum alloy wiring board
Wiring jack, the wire port is not exposed to meet the needs of parallel wiring of speakers.
- ★ To meet the requirements of on-site acoustic effects, it adopts a professional two-way system, equipped with a 12-inch speaker unit and a professional horn
- ★ The corner treble greatly improves the expressiveness of mid- and high-frequency vocals. The labyrinth air guide design ensures that a large-volume acoustic effect can be simulated in a small-volume box, which not only meets the needs of ultra-thin and compact installation requirements, but also meet the stringent requirements of sound effects.
- ★ The cabinet adopts an ultra-thin cabinet design. The back of the cabinet is designed with special screw holes for wall mounting brackets, which is also user-friendly. Add simple cross hanging holes to solve the lifting problem with one nail.

STRUCTURE SIZE

ACO-B0834



ACO-B1034



TECHNICAL PARAMETERS

| Model | ACO-B0834 | ACO-B1034 |
|------------------------|--|--|
| Frequency response | 70Hz - 18KHz | 60Hz - 18KHz |
| Sensitivity | 92dB | 95dB |
| Rated impedance | 8 Ω | 8 Ω |
| Maximum sound pressure | 110dB | 116dB |
| Rated power | 150W | 200W |
| Peak power | 300W | 400W |
| Coverage angle | 70° x 100° | 70° x 100° |
| Unit | Bass 1 x 8" Treble 1 x 1.35" (mid 34mm) | Bass 1 x 10" Treble 1 x 1.35" (Φ 34mm) |
| Connector | 2 x Neutrik Speakon NL4Mp | 2 x Neutrik Speakon NL4Mp |
| Cabinet material | High quality board | High quality board |
| Surface treatment | Black polyurethane spray black porous powder spray | Black polyurethane spray |
| Face net | Black porous powder-coated steel mesh and sound-transparent speaker mesh | Black porous powder-coated steel mesh and sound-transparent speaker mesh |
| Cabinet size | W285 x D130 x H400mm | W285 x D135 x H460mm |

FP

PROFESSIONAL POWER AMPLIFIER

This machine adopts the mature QSC-CLASS H type circuit, with perfect protection measures, stable performance, and a powerful yet flexible sound. Coupled with a simple, elegant, and stable appearance, it is a highly cost-effective power amplifier that can meet a wide range of application needs, such as KTV, private rooms, home theaters, slow rocking bars, quiet bars, conference rooms, banquet halls, and other various sound reinforcement purposes. It has the advantages of clean and transparent high, medium, and low frequencies with high efficiency.



TECHNICAL PARAMETERS

| Model | ACO-FP3000 | ACO-FP4000 | ACO-FP5000 | ACO-FP6000 | ACO-FP8000 | ACO-FP10000 | ACO-FP13000 |
|-----------------------------------|--|------------|------------|------------|------------|-------------|-------------|
| Output power 8 Ω | 2X300W | 2X450W | 2X550W | 2X650W | 2X850W | 2X1000W | 2X1300W |
| 4 Ω | 2X600W | 2X650W | 2X800W | 2X950W | 2X1250W | 2X1500W | 2X1800W |
| Bridge connect 8 Ω | 1200W | 1350W | 1650W | 1950W | 2250W | 3000W | 3500W |
| Frequency response | 20Hz-20KHz ±0.35dB | | | | | | |
| Total Harmonic Distortion | <0.1% | | | | | | |
| Intermodulation Distortion | <0.05% | | | | | | |
| SNR | >110db | | | | | | |
| Input Common Mode Rejection Ratio | >78dB(@1KHz) | | | | | | |
| Channel Separation | >78dB(@1KHz) | | | | | | |
| Damping Coefficient | >200(@8 Ω, <1KHz) | | | | | | |
| Input Impedance | 20K Ω, balanced input | | | | | | |
| Slew Rate | 40V/us | | | | | | |
| Input Sensitivity | +2.2dBu(1.0Vrms) | | | | | | |
| Maximum input level | +2.0dBu(10.0vRMS) | | | | | | |
| Dynamic Compression Limiting | Full automatic intelligence | | | | | | |
| Three Filtering Modes | Low-pass, Direct-pass, High-pass | | | | | | |
| Protection Circuit | Soft start, Input surge limitation, Output short circuit, Direct current, Overload protection, Main fuse protection, Switch mute protection, Radio frequency interference protection | | | | | | |
| Cooling Method | Four DC temperature-controlled variable-speed fans. The air flow direction is from front to back | | | | | | |
| Panel Indication | Power supply, Clipping, Compression limiting, Signal | | | | | | |
| Rear Panel Interface | Input / Female 3-pin XLR x 2; Output / Male 3-pin XLR x 2; 4-hole SPEAKON connector x 2; 2 sets of dedicated red and black connection posts | | | | | | |
| Dimension | W483xH88xD497mm | | | | | | |

PD

PROFESSIONAL POWER AMPLIFIER

This machine adopts the mature QSC-CLASS H type circuit, with perfect protection measures, stable performance, and a powerful yet flexible sound. Coupled with a simple, elegant, and stable appearance, it is a highly cost-effective power amplifier that can meet a wide range of application needs, such as KTV, private rooms, home theaters, slow rocking bars, quiet bars, conference rooms, banquet halls, and other various sound reinforcement purposes. It has the advantages of clean and transparent high, medium, and low frequencies with high efficiency.



MA

PROFESSIONAL POWER AMPLIFIER

This machine adopts the mature QSC-CLASS H type circuit, with perfect protection measures, stable performance, and a powerful yet flexible sound. Coupled with a simple, elegant, and stable appearance, it is a highly cost-effective power amplifier that can meet a wide range of application needs, such as KTV, private rooms, home theaters, slow rocking bars, quiet bars, conference rooms, banquet halls, and other various sound reinforcement purposes. It has the advantages of clean and transparent high, medium, and low frequencies with high efficiency.



TECHNICAL PARAMETERS

| Model | ACO-PD2200 | ACO-PD2300 | ACO-PD2400 | ACO-PD2500 | ACO-PD2600 | ACO-PD2800 | ACO-PD21300 |
|-----------------------------------|--|------------|------------|------------|------------|------------|-------------|
| Output power 8Ω | 2X250W | 2X350W | 2X450W | 2X550W | 2X650W | 2X850W | 2X1000W |
| 4Ω | 2X350W | 2X450W | 2X650W | 2X800W | 2X950W | 2X1250W | 2X1500W |
| Bridge connect 8Ω | 700W | 900W | 1350W | 1650W | 1950W | 2250W | 3000W |
| Frequency response | 20Hz-20KHz ±0.35dB | | | | | | |
| Total Harmonic Distortion | <0.1% | | | | | | |
| Intermodulation Distortion | <0.05% | | | | | | |
| SNR | >110dB | | | | | | |
| Input Common Mode Rejection Ratio | >78dB(@1KHz) | | | | | | |
| Channel Separation | >78dB(@1KHz) | | | | | | |
| Damping Coefficient | >200(@8Ω, <1KHz) | | | | | | |
| Input Impedance | 20KΩ, ballanced input | | | | | | |
| Slew Rate | 40V/us | | | | | | |
| Input Sensitivity | +2.2dBu(1.0Vrms) | | | | | | |
| Maximum input level | +2.0dBu(10.0vRMS) | | | | | | |
| Dynamic Compression Limiting | Full automatic intelligence | | | | | | |
| Three Filtering Modes | Low-pass, Direct-pass, High-pass | | | | | | |
| Protection Circuit | Soft start, Input surge limitation, Output short circuit, Direct current, Overload protection, Main fuse protection, Switch mute protection, Radio frequency interference protection | | | | | | |
| Cooling Method | Four DC temperature-controlled variable-speed fans. The air flow direction is from front to back | | | | | | |
| Panel Indication | Power supply, Clipping, Compression limiting, Signal | | | | | | |
| Rear Panel Interface | Input / Female 3-pin XLR x 2; Output / Male 3-pin XLR x 2; 4-hole SPEAKON connector x 2; 2 sets of dedicated red and black connection posts | | | | | | |
| Dimension | W483xH88xD497mm | | | | | | |

TECHNICAL PARAMETERS

| Model | ACO-MA2.02 | ACO-MA2.03 | ACO-MA2.04 | ACO-MA2.05 | ACO-MA2.06 | ACO-MA2.08 | ACO-MA2.10 |
|-----------------------------------|--|------------|------------|------------|------------|------------|------------|
| Output power 8Ω | 2X250W | 2X350W | 2X450W | 2X550W | 2X650W | 2X850W | 2X1000W |
| 4Ω | 2X350W | 2X450W | 2X650W | 2X800W | 2X950W | 2X1250W | 2X1500W |
| Bridge connect 8Ω | 700W | 900W | 1350W | 1650W | 1950W | 2250W | 3000W |
| Frequency response | 20Hz-20KHz ±0.35dB | | | | | | |
| Total Harmonic Distortion | <0.1% | | | | | | |
| Intermodulation Distortion | <0.05% | | | | | | |
| SNR | >110dB | | | | | | |
| Input Common Mode Rejection Ratio | >78dB(@1KHz) | | | | | | |
| Channel Separation | >78dB(@1KHz) | | | | | | |
| Damping Coefficient | >200(@8Ω, <1KHz) | | | | | | |
| Input Impedance | 20KΩ, ballanced input | | | | | | |
| Slew Rate | 40V/us | | | | | | |
| Input Sensitivity | +2.2dBu(1.0Vrms) | | | | | | |
| Maximum input level | +2.0dBu(10.0vRMS) | | | | | | |
| Dynamic Compression Limiting | Full automatic intelligence | | | | | | |
| Three Filtering Modes | Low-pass, Direct-pass, High-pass | | | | | | |
| Protection Circuit | Soft start, Input surge limitation, Output short circuit, Direct current, Overload protection, Main fuse protection, Switch mute protection, Radio frequency interference protection | | | | | | |
| Cooling Method | Four DC temperature-controlled variable-speed fans. The air flow direction is from front to back | | | | | | |
| Panel Indication | Power supply, Clipping, Compression limiting, Signal | | | | | | |
| Rear Panel Interface | Input / Female 3-pin XLR x 2; Output / Male 3-pin XLR x 2; 4-hole SPEAKON connector x 2; 2 sets of dedicated red and black connection posts | | | | | | |
| Dimension | W483xH88xD497mm | | | | | | |

Digital Console for Live and Studio with 40 Input Channels, 32 Midas PRO Microphone Preamplifiers and 25 Mix Buses and Live Multitrack Recording



■ Midas M32 Live

MIDAS

Digital Console for Live and Studio with 40 Input-Channels, 16 Midas PRO Microphone Preamplifiers and 25 Mix Buses



■ Midas M32R Live

MIDAS

PRODUCT DESCRIPTION

- Live performance and studio recording digital console with up to 40 simultaneous input channels
- 32 award-winning Midas PRO microphone preamplifiers
- 25 time-aligned and phase-coherent mix buses
- AES50 networking allows up to 96 inputs and 96 outputs
- 32 bi-directional channels of live recording/playback on dual SD/SDHC (cards not included)
- Daylight viewable 7" full colour TFT display screen
- Up to 3 hours of 32 channel PCM recording in one session stored as uncompressed WAV files
- High-performance carbon fibre, aluminium and high-impact steel structure
- 40 bit floating point digital signal processing
- 8 DCA and 6 mute groups
- 8 digital signal processing effects engines
- 25 Midas PRO motor faders

TECHNICAL PARAMETERS

| | |
|---|---|
| Input Processing Channels | 32 Input Channels, 8 Aux Channels, 8 FX Return Channels |
| Output Processing Channels | 16 |
| 16 aux buses, 6 matrices, main LRC | 100 |
| Internal Effects Engines (True Stereo / Mono) | 16 |
| Internal Show Automation (structured Cues / Snippets) | 500 / 100 |
| Internal Total Recall Scenes (incl. Preamplifiers and Faders) | 100 |
| A/D Conversion (8-channel, 96 kHz ready) | 114 dB Dynamic Range (A-weighted*) |
| D/A Conversion (stereo, 96 kHz ready) | 120 dB Dynamic Range (A-weighted*) |
| I/O Latency (Console Input to Output) | 0.8 ms |
| Network Latency (Stage Box In > Console > Stage Box Out) | 1.1 ms |



PRODUCT DESCRIPTION

- Live performance and studio recording digital console with up to 40 simultaneous input channels
- 16 award-winning Midas PRO microphone preamplifiers
- 25 time-aligned and phase-coherent mix buses
- AES50 networking allows up to 96 inputs and 96 outputs
- 32 bi-directional channels of live recording/playback on dual SD/SDHC (cards not included)
- Daylight viewable 5" full colour TFT display screen
- Up to 3 hours of 32 channel PCM recording in one session stored as uncompressed WAV files
- High-performance carbon fibre, aluminium and high-impact steel structure
- 40 bit floating point digital signal processing
- 8 DCA and 6 mute groups
- 8 digital signal processing effects engines
- 17 Midas PRO motor faders

TECHNICAL PARAMETERS

| | |
|--------------------|--|
| Channels | 40 |
| Inputs-Mic Preamps | 16x XLR |
| Phantom Power | 48V, Switchable per Input |
| Inputs-Line | 1x Dual RCA Stereo(aux) |
| Inputs-Other | 6 x TRS(AUX) |
| Outputs-Main | 8 x XLR, 2 x XLR(monitor), 2 x TRS(monitor) |
| Outputs-Other | 6 x TRS(aux), 1 x Dual RCA Stereo(aux) |
| Busses/Groups | 25 time-aligned/phase-coherent mix buses, 8 DCA groups |
| Headphones | 2 x TRS(stereo) |
| USB/MIDI I/O | 1x Type B, 1 x Type A / In, Out, USB |



32 Input, 16 Output Stage Box with 32 Midas Microphone Preamplifiers, ULTRANET and ADAT Interfaces



■ Midas DL32

16 Input, 8 Output Stage Box with 16 Midas Microphone Preamplifiers, ULTRANET and ADAT Interfaces



■ Midas DL16

PRODUCT DESCRIPTION

- 32 award-winning Midas PRO microphone preamplifiers with switchable 48 V phantom power
- 16 electronically balanced low impedance line level outputs
- ULTRANET personal monitoring system connectivity for in-ear applications
- Dual ADAT outputs for use in splitter mode and stand-alone digital multicore applications
- Two AES-3 ports (AES/EBU), e.g. for directly connecting PA system controllers with digital inputs
- Remote operation up to 100 m via CAT5/5e cable
- MIDI In/Out for bidirectional communication between FOH console and on-stage MIDI devices
- Features industry standard RJ-45 AES50 and ULTRANET network ports
- Rugged 3U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply
- Mute-All-Inputs function for quietly patching any inputs on stage

DETAILS AND PACKAGE



PRODUCT DESCRIPTION

- 16 award-winning Midas PRO microphone preamplifiers with switchable 48 V phantom power
- 8 electronically balanced low impedance line level outputs
- ULTRANET personal monitoring system connectivity for in-ear applications
- Digital audio and control connectivity for Turbosound speaker systems with ULTRANET networking capability
- Dual AES50 SuperMAC ports for cascading additional DL16 stageboxes-no merger or router required
- Dual ADAT outputs providing 16-channel digital output on two optical TOSLINK connectors
- Remote operation via shielded CAT5e cable up to 330ft / 100 m length
- All settings programmable from front panel controls or console
- Headphones output assignable to any of the inputs or outputs for on-stage monitoring
- MIDI In/Out for bidirectional communication between Midas M32 Series console and on-stage MIDI devices
- Features industry standard RJ-45 AES50 and ULTRANET network ports
- Rugged 2U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply

DETAILED PICTURES



Professional peripheral equipment (mixing console)

PROFESSIONAL PERIPHERALS

MQ



■ ACO-MQ802

■ ACO-MQ1202

PRODUCT DESCRIPTION

- 8 mono channels and 1 RCA stereo channel input professional mixing console
- Channel 3-segment equalization
- Built in 16 segment delay effect device
- 1 set of auxiliary output, 1 set of return
- Mp3 independent playback channel with USB interface, recording function, Bluetooth connection function
- Professional+48V phantom power supply
- Each channel is equipped with a mute switch function key
- 60MM travel high analysis thruster
- High precision three color precise level column, accurately displaying output level
- Worldwide universal internal global power supply

TECHNICAL PARAMETERS

| Model | ACO-MQ802 | ACO-MQ1202 |
|------------------------|-----------|------------|
| Passageway | 8 Mono | 12 Mono |
| Channel balance | EQ 3 Band | EQ 3 Band |
| Auxiliary output | AUX1 | AUX1 |
| Return | Return 1 | Return 1 |
| Effect device | 16 ECHO | 16 ECHO |
| Main output | 1 Stereo | 1 Stereo |
| phantom power | 48V DC | 48V DC |
| USB/REC | player | player |
| Master control balance | EQ | EQ |

PMR Analog Mixer ANALOG MIXER



■ ACO-PMR8FX

■ ACO-PMR12FX

■ ACO-PMR16FX

PRODUCT DESCRIPTION

- 2-group professional mixing console
- 8 mono inputs and 1 stereo input
- Single channel with signal insertion points, convenient for external signal processors
- Built in 99 DSP effectors
- 1 set of auxiliary output, 1 set of return
- 60MM travel high analysis thruster
- Built in noise reducing switch power supply, easy and flexible to use
- Mp3 player with USB interface and Bluetooth connection
- Dual 7-segment stereo graphic equalizer
- Channel four stage balance
- Each channel is equipped with low cut, mute, and monitoring buttons
- High quality+48V phantom power supply

TECHNICAL PARAMETERS

| Model | ACO-PMR8FX | ACO-PMR12FX | ACO-PMR16FX |
|------------------------|------------|-------------|-------------|
| Passageway | 8 Mono | 12 Mono | 16 Mono |
| Channel balance | EQ 3 Band | EQ 3 Band | EQ 3 Band |
| Auxiliary output | AUX1 | AUX1 | AUX1 |
| Return | Return 1 | Return 1 | Return 1 |
| Effect device | 16 ECHO | 16 ECHO | 16 ECHO |
| Main output | 1 Stereo | 1 Stereo | 1 Stereo |
| phantom power | 48V DC | 48V DC | 48V DC |
| USB/REC | player | player | player |
| Master control balance | EQ | EQ | EQ |