PALM has selected the Top 50 Pro Audio and Lighting Products & Technology, trending in the National and / or International markets. The demand for advanced technology has made the industry competitive with global brands unveiling the latest product technology and new versions of equipment with upgraded design and creativity. This unique feature celebrates the evolution and innovation of technology and recognizes trends in the Pro Audio and Lighting Industry.

TOP 50
PRODUCTS
& TECHNOLOGY

Global Pro Sound & Light Technology

Adamson S10

The S10 is a 2-way, full range line array cabinet containing 2x ND10-LM Kevlar Neodymium drivers (2x 16 Ω) and an NH4TA2 1.5" exit compression driver (8 Ω). The critically optimized sound chamber produces a slightly curved wavefront with a nominal dispersion pattern of 110° x 10° (H x V). The chamber's efficiency allows for increased

vertical dispersion without sacrificing high frequency presence in the far field. Patent-pending Controlled Summation Technology further eliminates low-mid lobing normally associated with 2-way line source systems.

The cabinet construction uses marine grade birch plywood as well as aircraft grade steel and aluminum and is equipped with two Speakon NL8 connectors. The rigging system incorporates the best aspects of previous advancements in our new SlideLock rigging technology.

The S10 is suited to a wide variety of applications including theaters, arenas and stadiums dance clubs, medium size festivals, corporate events and contemporary churches.

Ahuja CSD-6303T

This 30W RMS, 2-Way PA flush mount Ceiling Speakers is excellent for reproduction of both speech and music. It has a wide frequency response and adjustable tweeter for optimum directivity and operates on 100V line with power taps of 30/15/7.5W. It features a moulded plastic frame with metal mesh grill and tweeter can be tilted at an angle to focus clear, intelligible sound in the desired direction. 100V line operation with easy power tap selection through a terminal block. It is ideal for hotels, office buildings, restaurants, hospitals, shopping malls, department stores, cinemas and gyms.

AKG K371

AKG K371 Professional Studio Headphones strike the perfect balance between studio-quality sound, plush comfort, and a sleek, sturdy design. K371s are precision-engineered to match AKG's Reference Response acoustic target to reproduce natural, balanced audio in extraordinary detail. They deliver deeper bass and higher highs than any other model in their class, with a stunning frequency response of 5 Hz to 40 kHz. The Closed-back, oval over-ear design ensures Superior isolation and improved low-frequency response and lightweight foldable design Ensures long-wearing comfort for production in the studio or on-the-go.

Allen & Heath Avantis

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A-Pro Ixora Moving Head & Hunter LED PAR RGBW Fixture

The Hunter LED PAR RGBW Fixture in IP65 will be a new fixture displayed for the first time at PALM Expo 2022. It is a powerful and versatile RGBW Fixture, designed for various applications like Stage Lighting, Façade Lighting, Architecture lighting, commercial, residential & transportation with a very high Intensity (up to 80 Feet). The Heavy

Hunter LED PAR RGBW Fixture

Duty waterproof multi-colour LED Par features a robust design with a steady aluminium alloy die-casting body.

Ixora Moving Head with OSRAM Sirius HRI 371W Lamp is a thick beam, high intensity moving head fixture in a compact design. Ixora Moving Head runs on power supply AC110V~240V, 50/60Hz and Power consumption of 460W with frost filter for soft-edge projection.

Key highlight Technical Parameters of Ixora include - Beam angle: 0°- 4°, 1 color wheel with 14 fixed colors, 1 Gobo

wheel with 10 fixed gobos, Prism: 8-facet & 24-double layer facet prism, bi-rotating & Stackable, 6 color multicolored wheel+ multicolored prism, Focusing: 0-100% linear, Strobe: 5-13 frequency/second, Variable high speed Shutter / Random/Pulse flash Dimmer: Mechanical dimmer in precise speed from 0% ~ 100%, Pan/Tilt: 540°/ 270 ,°Channel: 16CH, Control mode: DMX512/Auto/Manual/Master-Slave/RDM Full Fireproof ABS material, Weight: 16.7kg, Fixture Size: 342*275*533mm.

Audio-Technica ATH M50x

As the most critically acclaimed model in the M-Series line, the Audio-Technica ATH-M50x Professional Studio Monitor Headphones feature 45 mm large-aperture drivers with copper-clad aluminum wire voice coils, plush sound isolation pads, and an over-ear design. It delivers accurate audio and deep bass response, making the portable closed-back headphones perfect for long sessions in the recording studio and on the go.

The ATH-M50x features 90° swiveling

earcups for easy, one-ear monitoring, and are collapsible and fold flat for seamless traveling, making them great portable headphones. ATH-M50x is suited for applications ranging from studio tracking, mixing, DJ monitoring and personal listening.

Over the years Audio-Technica has unveiled a variety of limited-edition versions of the ATH-M50x headphones. In 2020, they released the ATH-M50x-PB purple and black limited-edition headphones! This exclusive design was the first of the limited-edition colors to be available in both the traditional wired model and a wireless model, the ATH-M50xBTPB.

Avid VENUE | S6L-48D

VENUE | S6L-48D control surface is designed to provide the control and flexibility to handle larger, more complex live sound productions.

The system platform offers a choice of five surfaces with 16 to 48 faders. These control surfaces can be paired with a choice of three engines and can be connected to any combination of S6Ls four I/O rack options.

The VENUE | S6L-48D supplies 48 + 2 faders, 160 assignable knobs, and six integrated touchscreens, The new surface can facilitate dual-operator workflows in live sound productions where quick access is a priority and sounds may be coming from myriad sources, such as large broadcast events and theater productions. And because S6L-48D is part of the S6L Unified Platform, the control surface translates any show file to accommodate its larger frame size, and can be paired with any engine, and any combination of stage rack.

Avolites Diamond 9 215 / 9 330

The D9-330 and the D9-215 are both visual canvas controllers that allow product designers to achieve creative

control in lighting, broadcast, and AV, meaning they can create, program and command world-class performances.

The Diamond 9 allows users to intuitively combine lighting, media, and other visual aspects of a show, giving them creative freedom when powering shows. The console has a new look, with main front panels constructed out of a single sheet of aluminium for a high-end finish.

The D9 – 330 features 11 ultra-bright touch screens, which include three main workspace screens as well as three screens for a media preview, alongside specific screens for attribute control and softkey shortcuts.

The Penny & Giles faders are motorized and touch-sensitive and the encoders have their RGB bar graphs for ease of monitoring. The console also features a backlit integrated keyboard. On the right-hand side of the D9, users will find five encoder wheels and a T bar for controlling scene masters. In addition to this, there is a new set of carefully positioned, bespoke buttons

for easy operation.

Berhinger Flow 8

The Behringer Flow 8 is an 8-Input

Digital Mixer with Bluetooth Audio and App Control, with 60 mm Channel Faders, 2 FX Processors and USB/Audio Interface. The new FLOW 8 EZ-GAIN function can monitor signals on one or all channels at the same time. FLOW 8 mixers offer full remote control from any Android or iOS device, giving users the freedom to go exactly where the sound is ideal for making any sort of adjustment. All channels offer 4-band EQ, com pression, as well as 2 FX and 2 monitor sends. All the monitor and main buses feature 9-band EQ and a limiter for preventing unexpected volume peaks on the speakers. FLOW 8 features two independent studio-grade effects engines, each with 16 presets for refining instruments and vocals with breathtaking effects sounds and depth. It also doubles as a 10 x 2 channel USB audio interface for capturing live performances, cutting tracks in your home studio, or hosting a podcast

BETA 3 – DT Series

The DT series is a multi-channel professional amplifier, based on an efficient thermal distribution structure of security, using a concise output circuit, precise detection, protection control

and reliable design. The zero temperature control of the intermediate and intermediate frequency correction function makes the product performance more efficient and ensures the cooling of all components and all heat sources. With the unique limiting function, it will not cause output distortion even if the input is too large, and there are two optional limiting modes to match different types of speakers. With the three input cascaded switches, the input terminals of adjacent channels can be compliantly used to simplify the input wiring of large applications.

DT series designed with high power supply system and efficient output level can provide strong output capability with accurate and intuitive status indicator and independent volume knob, working status to ensure all operation are controlled efficiently. Three optional sensitivity offers a variety of power levels that can flexibly match with different systems.

Celto Acoustique IsoRay

IsoRay series is a next-generation line source in SPL to size ratio with the uni-

form coverage. The IsoRay 10" coaxial line source offers the same performance as industry-standard dual 8", IsoRay is 60% smaller and 40% lighter providing a solution that combines portability, minimum visual impact, pristine sound quality, coherent coverage, and unmatched SPL/Size Ratio. IsoRay Coaxial Cabinet material is built with outdoor grade Baltic Birch Plywood and Woofer Chassis incorporated with Die Cast Aluminum. The array facilitates touring grade Rubberized PolyUrea with a black paint finish. The series has two active coaxial curvature Array, the ISORAY 18S and ISORAY 10+.

ClayPaky Xtylos

The Xtylos is a compact beam moving light with unique optical and

chromatic characteristics, making use of a tailor-made RGB laser source. This laser source lasts for 20,000 hours and is enclosed in a reliable, safe and fully sealed module it is the powerful engine of an incredible array of colours: in contrast to the subtractive mixing used with discharge lamps, and coloured light beams. A special patented design optical system turns the laser emitted light into a solid, dense, saturated light beam without any visible hotspots. The beam aperture ranges from 1° to 7° and can be decreased further to 0.5° using the beam diameter reducers provided on the gobo wheel. The resulting pencil beams are of exceptional intensity, and cannot be reproduced by any other light sources, either LED or traditional. The Xtylos is a dynamic light on the market. Launched in 2019, it was the first moving headlight with a laser light source, and this opened new, surprising prospects for the development of the entire entertainment lighting world. Claypaky has been constantly developing the Xtylos series, extending the range with the weather-resistant Xtylos Aqua and recently with the small but incomparable Mini Xtylos HPE.

d&b audiotechnik KSL Line Array

The KSL System employs a combination of techniques to achieve full bandwidth constant directivity pattern control. The low-frequency geometry uses cardioid technology along with a driver and port layout to produce directivity matched perfectly with the

coaxial arrangement of a highly efficient midrange horn and the waveguide mounted high-frequency drivers.

The cabinet geometry of the KSL8 and KSL12 loudspeakers maintain seamless, full bandwidth directivity control. Two 10"LF drivers, coupled with two sides facing 8" LF drivers, develop an extended response and extremely low-frequency output. The midrange is delivered by a high sensitivity horn, loaded with an 8" driver, while the utilization of two custom-designed 1.4" exit HF drivers with 3" voice coils in a compact format brings high output and resolution with impeccable sonic quality. Powered in 2-Way Active mode by the D80 amplifier, one channel drives 10" drivers, c quality. Powered in 2-Way Active mode by the D80 amplifier, one channel drives both 10" drivers, while all other components are passively crossed over and driven by a second amplifier channel.

dBTechnologies VIO L210

VIO L210's low-freq transducers, positioned in a V form and sealed in a bass reflex wooden enclosure, are designed to improve efficiency and to last in high-stress conditions, providing an accurate transient response and an extended low-end reproduction.

The new waveguide contributes creates a cylindrical wavefront for precise high-frequency directivity control. The two aluminium phase plugs are in front of both woofers which acts as a

prosecution of the constant directivity high-frequency waveguide. Each phase plug features 26 diamond-shaped holes aimed at reducing any interference within the crossover zone while improving frequency and transient response. The module features a Class D Digipro G3 900 W RMS amplifier capable of achieving 135 dB SPL. The FIR filters guarantee coherent coverage.

The pre-amp module is equipped with digital optical isolation which avoids audio coupling, preventing any noise.

VIO L210 has a built-in 3-point rigging system for a smooth and fast set-up. The two front links easily connect the modules from every angle. The back central rigging strand is equipped with a hook type link to set the relative splay angles determined via the prediction software dB Technologies Composer.

DiGiCo Quantum 338 Digital Mixing

The Quantum 338 digital missing console is based on seventh generation FPGAs with an entirely new system architecture. The console merges tried and tested workflows with immense processing muscle and bold innovation including a new dark mode. The Quantum 338 is the next step in the DiGiCo Quantum range of consoles. Delivering 128 Input channels into 64 busses, with additional processing for Master busses and Matrices. The Quantum 338 brings advanced pro-

cessing functions and an ultimately flexible workflow to a wider user base. Quantum 338 puts a trio of 17-inch, 1000 nit, high brightness multi-touch screens, with both the meter bridge and soft quick select buttons displayed on each screen for quick, intuitive operation. In addition, 70 individual TFT channel displays join the floating Quantum chassis with 38 100mm touch sensitive faders laid out in three blocks of 12 fader banks plus two dedicated user-assignable faders, each with high resolution metering. The Quantum 338 has all the features needed for every scale of production.
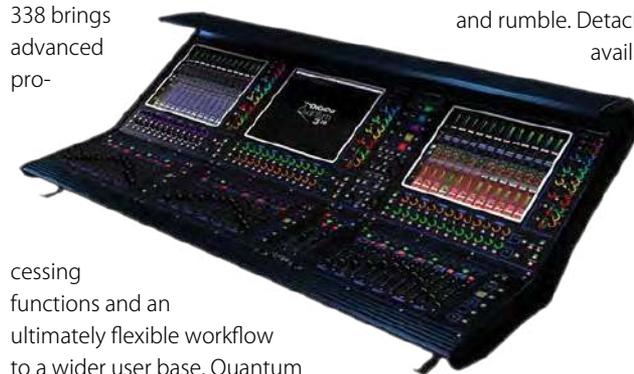
DPA 4099

The 4099 CORE brings more clarity and details music, across the entire dynamic range. CORE by DPA is a powerful new technology at the heart of DPA miniature microphones with minimized distortion.

This microphone model can reinforce an entire orchestra. The mic can be connected to another instrument following the right type of clip and is mounted correctly. The 4099 Series gives a much more natural sound than any clip-on microphone or pickup. This condenser microphone rejects unwanted noise and accurately captures the true voice of your acoustic instrument.

The 4099 CORE also features an enhanced shock mount design, providing excellent isolation from handling noise and rumble. Detachable cables are available in heavy-duty or lightweight versions, depending on the application – both are designed to withstand the rigors of daily use. A versatile, integrated gooseneck extender provides easy and repeatable mounting.

All CORE by DPA technology microphones, including the 4099 CORE, is IP58 certified. This durability is achieved through several defense mechanisms.

Klang DMI Klang

DMI-KLANG is the first hardware product after KLANG and DiGiCO joined forces. The FPGA architecture enables 16 immersive in-ear mixes for 16 musicians of 64 input channels single and double speed sampling rates at latency of a quarter of a millisecond. Integrated into a DMI card it connects directly to the SDs internal audio stream without any additional hardware IO

or overhead. Route any audio channel from the console to DMI-KLANG and return the mix to the Aux merge input. Mounted into a DiGiCo OrangeBox the DMI-KLANG can be connected to any console with e.g. MADI (Optical, TP, BNC), Optocore, Dante and many other available DMI expansion cards. This unrivaled mixing capability makes DMI-KLANG the perfect companion for any monitor engineer who needs to deliver better mixes with lower levels to their artist.

GrandMa3

The grandMA3 represents an elegant new system architecture that incorporates new fixtures, features, and effects-handling at its very heart. The system features a huge multi-touch

screen surface area; All dedicated encoder and playback information is accessed directly on the letterbox screens allowing the larger screens to be fully-configured to suit user needs. grandMA3 breaks the limitations of Local Area Networks (LAN) with the ability to access Wide Area Networks (WAN). Software updates, technical support, online help and fixture downloads are to be supported within the WAN framework. Using the advanced MA-Net3 protocol, grandMA3 systems can output up to 250 000 parameters. There are three sizes of grandMA3 processing units to expand the console parameter count.

The grandMA3 control software utilizes a flexible new fixture concept, developed to replicate the real-world physical components of the most complex fixtures. grandMA3 supports the new GDTF (General Device Type Format) protocol natively.

Elation Professional Fuze Profile

The FUZE PROFILE™ is an automated LED framing fixture designed for theater, television and a wide array of other precision lighting applications. The 92 CRI

engine utilizes a 5-color homogenized LED array consisting of Red, Green, Blue, Mint, and Amber sources. The carefully tuned LEDs ensure accurate color reproduction while delivering a powerful output of over 10,000 lumens. Virtual color temperature, Magenta / Green adjustment plus CMY emulation provide the designer with immediate access to the impressive LED color array.

The FUZE PROFILE is designed for any application where fully automated ellipsoidal fixture with outstanding and impactful color range and quality is required. A rotating gobo wheel, fixed gobo wheel, animation wheel, frost, prism and iris round out its comprehensive feature set in a compact, quiet and lightweight fixture.

Focusrite Clarett+

Clarett+ USB audio interfaces for PC and Mac, which build on the strengths of the previous Clarett ranges.

The reduced THD+N (total harmonic distortion plus noise) performance on the analogue inputs provides an even representation of the source signals without unwanted colouring or distortion. Clarett+ enable you to hear every detail and achieve a clearer and purer sound. Applicable to quiet source signals where the gain is high, such as with an acoustic guitar, strings, lead instruments, and vocals involving a lot of rests or pauses.

The D-A converter is used in conjunction with filter circuitry and gives greater control on mixes and retains clarity. A lower D-A converter noise floor highlights the variations in mixes and recordings, with low-level detail, allowing to multi-track with confidence.

The improved headphone outputs and DAC performance provide a representation of the source at all levels

— on any headphones — and inform decisions at every stage of the creative process. Powerful outputs cater for varying headphone impedances, without the need for a headphone amplifier. Clarett+ excels in both quiet acoustic sessions and loud drum recording environments.

Genelec W371A Adaptive Woofer System

The W371A seamlessly complements our 8341A, 8351B and 8361A models to creates a series of full-range monitoring solutions with unrivalled neutrality and supreme control of directivity and the effects of room acoustics. Experience all the benefits of a main monitor, but with the freedom to locate this free-standing system in optimal positions within your control room; even providing the option to switch between nearfield and main monitors without image-shifting. The W371A tailors system performance carefully to the room, offering flatter, smoother in-room response with more coherent LF imaging. Three different operating modes allow a choice of flat and neutral LF response avoiding 'acoustic notching', continued directivity of the main monitor down to the lowest LF frequencies, or reduction of detrimental reflections by the walls, ceiling or floor of your room. The W371A then uses GLM software to select and optimise the signal processing for the best LF radiation mode, taking into account both the monitor location and listening position.
  1. SPL - 120 dB

2. Frequency Response - 23 Hz - 500 Hz ("-6 dB")
3. Driver Dimensions: ⌀ 356 mm Bass + ⌀ 305 mm Bass (view in inches)

JBL EON

JBL EON ONE Compact

JBL EON ONE range of portable PA systems is an ultra-portable, all-in-one PA system that delivers a loud output with bass response in its class. The eight-inch woofer and one-inch tweeter

produce 112 dB of full-range output from 37.5 Hz to 20 kHz, providing loud, uncompromising sound with extended low-end. A built-in four-channel mixer makes it easy to dial in a balanced sound, and optional automatic ducking ensures that speech is heard clearly over music. Advanced onboard Lexicon DSP includes reverb, chorus, and delay, with up to eight bands of dbx EQ for supreme versatility.

The Compact features an ergonomic carrying handle for easy transport. Its rechargeable battery lasts up to 12 hours and is easy to remove and replace for non-stop performance. Two combination XLR/TRS

inputs with professional-grade preamps and +48V phantom power provide crystal-clear sound for microphones, while a dedicated quarter-inch high-impedance input is perfect for guitars, bass, and acoustic instruments with pickups.

The Bluetooth make it easy to stream audio from mobile devices or link up to four speakers via the JBL EON Compact Connect app.

JBL VTX A8

The VTX A8 line array element delivers JBL Professional's flagship VTX A Series technology in a compact solution for small to mid-size rental and installed applications. The VTX A8 is designed to solve the diverse sound reinforcement needs of production companies, rental houses, theatres, houses of worship, as well as production applications requiring front fills, side arrays or other auxiliary support for larger-scale VTX systems. The A8 combines two 8" woofers, four 3.5" midrange drivers and two 2" high-frequency drivers in a single low-profile cabinet. Proprietary double-flared low-frequency ports, precisely calculated for greater low-frequency performance extend the usable operating range down to 49Hz. The VTX A8 shares the VTX A Series' patented rigging mechanism and suspension system for streamlined deployment, while a comprehensive suite of accessories

provides a variety of configuration options. Used on its own or in conjunction with the VTX B18, A12 or A12W, the VTX A8 expands the JBL VTX A Series to offer audio professionals a complete toolset for designing optimal sound systems for any application.

JTS R-4 Series

The system is designed with JTS newest generation wireless technology. To cope with the radio spectrum the squeezed system provides more compatible channels within limited bandwidth. The R-4 is a 4 channel system in a 19" one U case.

Antenna outputs and AC power supply are designed to be cascaded. It provides great convenience to installation.

JTS patented REMOSET feature sends all microphone data by pushing of one button. Moreover all 4 microphones can

receive correspondent data at the same time after one pushing.

LD Systems MAUI 44 G2

This product is the flagship of the MAUI series column PAs: it offers an enormous 1,500 watts of total output (RMS) with a frequency response of 37 Hz to 20 kHz and a sound-level pressure of 132 dB (peak). With outstanding sound properties and wide-ranging functions, this compact column PA is perfect for rental companies, musicians, small clubs, street festivals and permanent installa-

tions. The cardioid properties of the column elements and the possibility of creating a cardioid bass with an additional subwoofer further highlights the professional nature of this sound system. The column achieves a rear attenuation of 18 dB, the subwoofer 15 dB. The two-part column is equipped with twelve 3.5″ neodymium full-range speakers and four 1″ HF drivers with waveguide. The four tweeters feature specially designed and optimised compression drivers coupled to a constant directivity waveguide to provide 120° of coverage across the width and 25° of focused vertical directivity.
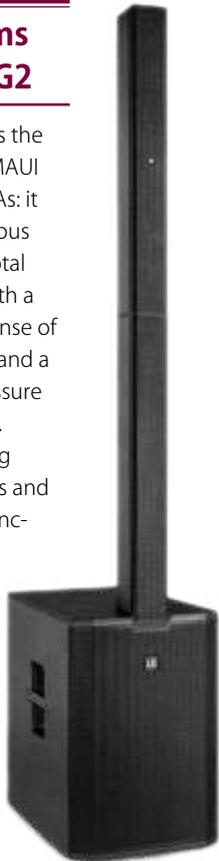
LEA Professional Connect Series

Network ConnectSeries professional amplifier enabled with the Internet of Things- (IoT) suited for small to medium-scale installations.

These two, four, and eight-channel amps feature direct HiZ (70V or 100V) or LoZ selectable by channel. With three ways to connect, engages the built-in Wi-Fi access point, connect to the venue's Wi-Fi, or use the FAST Ethernet

to connect to any local area network via Cat5 or Cat6 cable. The Direct LoZ and HiZ (70V or 100V) selectable per channel with Proprietary Smart Power Bridge allows the user to bridge a channel to achieve double the power of that channel without sacrificing an amplifier channel. The amplifier features cloud connectivity that allows remote control, monitoring, and notifications, to any personal devices.

The Web Browser-based UI – works on any device with no software to download and 96kHz Analog Devices DSP with Input Routing, multiple 48dB/Oct crossover filters, 8 Parametric EQ filters, user-configurable speaker limiters, and real-time load monitoring. The Direct LoZ and HiZ (70V or 100V) selectable per channel with Proprietary Smart Power Bridge allows the user to bridge a channel to achieve double the power of that channel without sacrificing an amplifier channel.

Mackie ProFXv3

Mackie ProFX6v3 features two Onyx preamps and a versatile GigFX engine for high-resolution recordings with sample rates up to 192 kHz. Paired with the Waveform OEM software bundle, for an ultimate workstation for recording, streaming, and creating content. The Mackie ProFX6v3 has a high-resolution effects engine for sound with 24 incredible effects. Mackie ProFX6v3 is optimized for USB recording at sample rates up to 192 kHz. The 2X4 I/O sends separate mixes from computer to headphones and the channel strip—professional workflow at its finest. latency-free direct monitoring with dedicated control to blend between your DAW and channel inputs. Waveform OEM is a workstation, featuring powerful and creative tools to inspire the modern musician, Introduces 16 contemporary FX plug-ins for use with any DAW. These plug-ins utilize the very latest

algorithms and coding techniques to deliver extraordinary sound quality in an extremely efficient package, allowing the plug-ins to be used liberally across a wide range of native computer systems.

Madrix Aura (Stand-alone playback Unit)

The MADRIX AURA is the central stand-alone controller for simple recording and large-scale pixel mapping. It redefines what is possible in a compact control unit with exceptional performance. Stand-Alone Playback controller Independently runs light shows from this energy-efficient playback unit via Art-Net or Streaming CAN and can easily control up to 2, 8, or 32 universes per device.

Live Recording enabled Aura lets you record any Art-Net or Streaming ACN network stream onto the inserted memory card. Central Hub simply connects compatible MADRIX hardware

interfaces or third-party nodes to provide the correct output for your lighting fixtures. The MADRIX AURA is available in three versions, AURA 2, AURA, and 8AURA 32.

Martin Audio CDD

Coaxial Differential Dispersion technology delivers more consistent audience coverage than systems with fixed dispersion X° x Y° horns — projecting more output to the rear of the audience to distribute sound evenly front-to-back while having wide horizontal coverage close-up.

Injected moulded ABS moulded in rigid UPM Formi — a natural fibre composite material which combines stiffness with internal damping properties. All models feature sophisticated internal rib structures to reduce weight and increase rigidity, and the speaker baffles are machined from birch ply.

Enhanced DSP and FIR based pre-sets deliver the absolute maximum performance and fidelity while limiter settings protect the integrity of the system. CDD Series incorporates an innovative static

waveguide that merges seamlessly with the unique cone shape maintaining the dispersion pattern out to very high frequencies. A Differential Dispersion horn has a 3D trapezoid dispersion pattern which covers a room more evenly than

Martin Audio CDD

a system with a conventional, fixed-dispersion X° x Y° type horn.

Neumann NDH 20

The Neumann NDH 20 is a closed-back headphone combining isolation with the carefully balanced sound image and outstanding resolution you'd expect from a Neumann product.

The NDH 20 is ideally suited to monitoring and mixing tasks, even in loud and noisy environments. Circumaural memory foam ear pads offer high long-term comfort.

The NDH 20 uses newly designed drivers (38 mm/1.5″) with high-gauss neodymium magnets to ensure high sensitivity and minimized distortion, allowing the user to listen to the pure audio signal without unwanted coloration. The mechanical construction with adjustable headband is made of flexible steel while the ear cup covers are machined from lightweight aluminum. For easy transportation the headphone is foldable and can be placed into the supplied soft cloth bag.

Two detachable cables (one straight, one coiled) and a 6.3 mm (1/4″) adapter are also included. The NDH 20 is suited

to all applications that require high sound isolation such as monitoring for musicians and engineers in the tracking room as well as FOH work.

Neumann KH 750 DSP

The compact KH 750 DSP is the ideal choice for smaller rooms and smaller studio monitors. It has a unique and flexible Bass Manager (2.0/0.1), analog and digital inputs, four routing modes and adaptable acoustical controls to be used in many different configurations.

The 10" long-throw driver has a strong linear working magnet system with ELFF technology (Extremely Linear Force Factor). As subwoofers are usually placed on the floor, a robust grille protects the driver from accidental damage. The ultra-compact cabinet is a closed design which brings the fastest possible transient response.

The two analog XLR inputs are balanced as are the two analog XLR out-

puts. The 192 kHz / 24-bit digital input can accept AES3 and S/P-DIF signals.

N-Labs X8D

The X8D is a 2-Channel 8000W power amplifier with DSP. It is ideal for Mid and High frequency, stage monitors, sub-woofers, cinema and FOH. The amplifier has a tunnel design to keep it cool from the inside with a special auto cutout feature in each channel which shuts down the audio in case of a short-circuit or wrong wiring. It automatically restarts again without resetting. The unique TITR Circuit design is loaded with four special variable speed coil fans with high-density

Radiator design used in Aviation which helps the amplifier to stay cool and stable for long-term usage. The X8D can be used for a range of applications like Live sound, DJ system, road shows and rallies, installations, and line arrays.

NX Audio Indra Series

The INDRA series uses Y25 & Y30 grade Magnets, Taiwan Paper and Spider plus two-layer copper wire on Glass Fibre Polyamide Voice coils and can deliver fantastic SPLs. The tonal quality is further enhanced by using a heavy-duty cast aluminium frame ensuring increased rigidity. The optimized ferrite motor produces a strong and symmetrical flux density in the gap, allowing a high value of SPL, thrilling dynamics and very low distortion. The monstrous 18" (1810) driver has an output of 1000W RMS delivering peak performance & a very good punch. There is a 4" voice coil fitted into the Indra 1810 which makes it ideal for sound reinforcement for bass & subs. The Indra 158 & Indra 156 are mid-bass drivers that can rock a variety of applications and functions. The tonal quality of these amazing speakers is very clean and delivers great results. The Indra 158 is a 15" 800W speaker whereas the Indra-156 is a 600W Mid Bass Driver.

P Audio E10-300 A

The P Audio E10-300A is a 10 inch (254mm) diameter piston that produces extremely high sound pressure levels at both low and mid-band frequen-

cies ideal for live sound and recorded music venues. The transducer uses high energy ferrite based magnetics to achieve a very high acoustic output to weight ratio with a die-cast aluminium

design that insures a very high degree of structural integrity. TheE10-300A has been optimized for use in two way or three-way sound reinforcement systems and has an operating range of 50Hz to 5000Hz.

The E10-300A features a large three-inch diameter voice coil that provides, an AES rated 300 watts of continuous power handling and 1200 watts rated power handling. The E10-300A utilizes P Audio's Auto Balanced Cooling (ABC) technology improves transducer power handling, and reliability, and increases power compression performance by balancing and directing airflow to critical areas. The voice coil design is a bobbin wound geometry with P Audio's edge wound rectangular wire technology for conversion efficiency and provides a large cross-sectional area for superior cooling.

Powersoft Quattrocanali 8804 DSP+D (install)

Quattrocanali 8804 DSP+D offers the traditional sound quality and reliability of all Powersoft products. The patented SRM (Smart Rails Management) technol-

ogy allows to maximize the efficiency of the system and drastically reduce power consumption in any load and usage condition. Quattrocanali features the lowest thermal dissipation in the industry, reducing the need for external cooling devices.

Quattrocanali is designed to operate with Lo-Z (from 2 Ω) and 70V/100V distributed lines or any mix of the two. DSP+D versions of the Quattrocanali grant in-depth control and monitoring via ArmoníaPlus, tailoring the sound and managing the system can be done by a remote, decentralized location. This Amplifier Platform can also be trusted in mission-critical applications, such as fire alarm systems, thanks to the cleverly engineered power supply that allows reliable operation even when connected to a UPS.

QSC CX-Q Series

Q-SYS CX-Q Series features four-and eight-channel models, capable of delivering customized power output loading and total maximum power of up to 8000 W. Low impedance, 70 V or 100 V direct drive are available on all channels. Seamless drag-and-drop integration provides audio transport, control, and status data, providing superior system performance. Furthermore, cryptographically signed firmware hardens

the security of your amplifier.

Fifth-generation high-efficiency, Class-D hybrid offers both high voltage and high current operation with excellent audio quality and thermal performance. Two QSC signature technology innovations (FlexAmp and FAST Technology) are combined for asymmetric output channel loading and support a wide variety of options, making for an incredibly versatile amplifier platform and eliminating the need for multiple speciality amplifiers. Eight bi-directional GPIO connections, accessible anywhere

on the Q-SYS network, provide further control integration opportunities for third-party peripherals. Built-in energy-saving modes ensure that CX-Q Series amplifiers draw the minimum amount of AC power while still providing outstanding audio quality.

RCF HDL 26-A

The RCF HDL26-A is an ultra-compact bi-amped two-way active touring system for small and medium-sized events, both indoors and outdoors. Due to the advanced transducer design and the 2000W Class-D amplifier, among the best in its class, it is capable of an

extended bottom-end and a pristine sound for a wide range of applications, alone or in RDNet managed line-array configurations. The HDL 35-AS is the ideal flyable bass complement for the HDL 26-A array system.

RME 12Mic

The RME 12Mic is a twelve channel remote controllable microphone preamplifier with no-compromise A/D conversion, integrated AVB and MADI connectivity, and a multitude of features designed to make it a perfect companion for any professional record-

ing. Studio-quality conversion; remote controllable gains plus a multitude of additional functionality, makes it a perfect companion for any professional recording setup. The 12Mic shines with an outstanding signal-to-noise ratio on all channels. All twelve front-facing XLR connections accept microphone and line level signals, whilst the first four connections also accept TRS connectors, with switchable high impedance (Hi-Z) for instruments. Three optical ADAT outputs provide up to 24 channels of audio at single speed, or 12 output channels at 96 kHz sampling rate, ensuring compatibility with a wide range of audio interfaces. Any signal reaching the 12Mic can be routed and streamed over a network with fixed latency and guaranteed band-width - no switch configuration is required

Robe Forte

Forte with transferable engine technology maintains light quality with revolutionary self-referencing, and data capturing engines that are designed,

developed, and manufactured with Robe patented technology. Output loss at the narrow zoom setting is taken care of via our ingenious Robe Patent-pending narrow zoom output boost, improving performance by over 15 %, giving an increased output, for sabre like beams. The CMY colour mixing system provides smooth colour transitions combined with two colour wheels, CRI 80 and 90 filters (HP Engine), and a variable CTO from 3.000 - 6.700 K.

FORTE gives control via ultra-precise patented framing shutter system, with separate blade control and the entire assembly capable of +- 60° rotation; Cpulse PWM control and direct Plus/Minus Green control for broadcast precision; EMS (Electronic Motion Stabiliser) technology, for instant stop and hysteresis elimination. FORTE possesses a comprehensive protocol suite; USITT DMX 512, RDM, ArtNet, MA Net, MA Net 2, and sACN. REAP (Robe Ethernet Access Portal) for direct communication over Ethernet networks.

Sennheiser Evolution Wireless Digital

Evolution Wireless Digital provides a dynamic range by automatically securing the signal in a matter of seconds and scalable up 90 channels due to 56 MHz of tuning bandwidth. The Digital transmission operating in the UHF spectrum greatly enhances range, reliability, and scalability.

Evolution Wireless Digital features equidistant tuning grid quality components with exceptional linearity to eliminate intermodulation between EW-D transmitters, allowing frequencies to be equally spaced every 600 kHz alongside each other. The auto scan creates reliable connections with minimal time and effort. The Smart Assist App connects via Bluetooth Low Energy for a streamlined setup and operation at a distance powered by the Lithium-Ion battery pack delivers up to 12 hours of operation. The dB audio input dynamic range eliminates the need for sensitivity adjustments and preserves every detail.

Sennheiser IE PRO Series (100)

The IE 100 PRO innovative diaphragm delivers sound in extremely loud environments, every aspect remains distortion-free and defined. Musicians and DJs prefer the IE


100 PRO for its exceptional sound and high wearing comfort for live sessions and production.

The dynamic 10-mm broadband transducer for powerful, precise monitoring with a driver system that reduces acoustic stress factors through homogenous, distortion-free reproduction, it resonates easily, at maximum sound levels. Phase problems and dissonances in the inner ear are therefore also precluded. Featuring an Innovative single driver design allows for a slim and ergonomic construction with excellent shielding with an optimized earpiece and flexible silicone and foam tips that meet the high expectations and withstand high stresses. Incorporated with Stage-proof cable with internal cable duct designed to provide the necessary reliability. Earplugs in three sizes provide a comfortable fit for every auricle. They shield the environment with passive noise cancelling and remain comfortable even after hours of use. The series also features IE 400 Pro & IE 500 Pro In-Ear Monitors launched in 2019.

Shure TwinPlex Subminiature Omnidirectional Lavalier and Headset

Shure TwinPlex with twice the surface area of other microphones for ultra-pristine, natural response and robust

low-frequency response and improved off-axis consistency read accurately, even when not speaking or singing directly into the mic. The mic keeps audio production clean with best-in-class, low self-noise, and dynamic range.

Shure Twin-Plex features Interchangeable sweat- and moisture-resistant frequency caps that prevent sweat-outs and dual redundant ground for secondary shielding and cable longevity. The cable is incorporated with Ultra-thin, paintable and 1.6 mm cable that are immune to memory effects. for the rigours theatre, TwinPlex phones are built to diverse needs of fessionals in every with reliable

1.1 mm options kinks and Designed of the micro-take on the audio pro-setting, clarity for
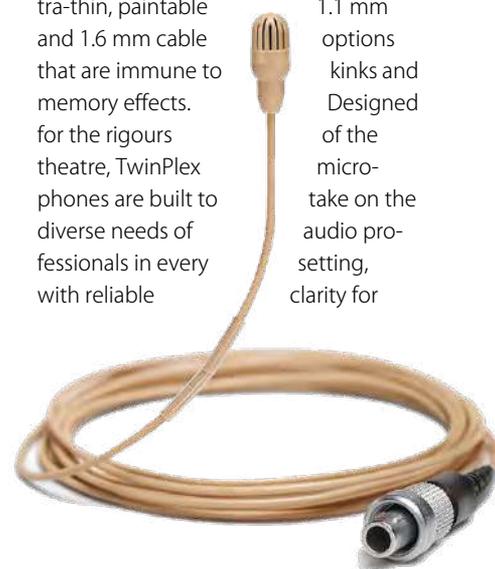
Shure TwinPlex

TV and film, tailored-for-speech audio for speaking appearances, and discreet durability for broadcast usage.

Shure Axient Digital AD4Q

Axient Digital offers dual and quad receiver options that feature Quadversity mode for extended antenna coverage, switchable XLR and AES3 outputs, offering a wide tuning range of up to 184 MHz. Configurable Ethernet switch for redundant Dante or AES67 digital output with Switchable XLR and AES3 outputs ensures solid performance in challenging RF environments. The front panel headphone jack enables Dante Cue and Dante Browse monitoring with True digital diversity reception per channel for drop-out resistance. The Channel Quality meter displays RF signal-to-noise with locking AC connectors options bringing a new level of management and flexibility to your entire workflow.

Studiomaster Professional Orb 402 SC Mixer

Orb 402 SC - a compact 4 channel mixer with dual functionality of playback and recording on a pen drive or a PC via USB audio interface. The mixer comes with two USB audio interfaces, one on the front panel and one on the rear. As the USB audio interfaces are class-compliant, no separate drivers are required, making it compatible with virtually any DAW or software application.

Leveraging a high-resolution 24-bit/48kHz sampling rate, the Orb 402 SC integrates a DSP-based Multi-EFX processor with 24 presets and the ability to route the processed signal to monitor via AUX. Designed to be compact, the Orb 402 SC has abundant input, output and routing options. Other features include high definition preamps, +48V phantom power supply and responsive 60mm faders. With an ergonomically-angled design, classy side cheeks and compact form factor for desktop use, the Orb 402 SC is ideal for musicians, podcasters, content creators, YouTubers, audio conferencing applications and much more.

Waves eMotion LV1

eMotion LV1 is a fully modular software-based mixer, with your choice of 64, 32 or 16 stereo channels. It can run up to 8 plugins per channel and mix a total of 44 mix buses, facilitating 16 monitor mixes, 8 FX buses, 8 groups, 8 matrices, and LRCM masters, with the ability to connect and share up to 16 I/O devices.

LV1's signature Waves Double Precision 32-bit floating point mixing engine is always ready to deliver pristine sound quality with up to 96 kHz sample rate.

Yamaha RIVAGE PM5

The RIVAGE PM5 Mixing System packs undiluted RIVAGE PM power and performance into a lightweight, intuitive console that is surprisingly slim. The addition of a third display screen has made it possible to offer a more touch-centric interface in a compact, significantly lighter console that is easier to transport, setup, and operate in a wide range of venues. The RIVAGE PM5 has a slim design that brings the touch-sensitive displays closer to the operator for incredibly smooth, comfortable control. This evolved console design also provides a closer connection to the performers on stage with improved sight lines that give the engineer a broader, more comprehensive view of the action. The three 15-inch large, high-visibility displays present essential controls and information in one place in a clear, well-organized format, so the engineer can read and react to situations with maximum speed and efficiency. Although it offers heavy-duty performance and features, plus a comfortably spacious interface, the RIVAGE PM5 weighs only 42 kilograms it can be easily carried and positioned by just two people.