

MIDAS



proaudio
Catalogue 2024

Are you mixing with the right company?

MIDAS



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Company history

IT ALL STARTED BACK IN 1970...

The Stanhope Street Years

The explosion of musical talent in 1960's Beatlemania Britain also gave rise to a nascent electronic musical instrument industry and as the swinging sixties gave way to the rather less swinging but musically more progressive 1970's a company called Midas amplification was formed in London by Jeff Byers and Charles Brooke, manufacturing transistorised guitar amplifiers and speaker cabinets.



The location was extremely fortuitous as many PA companies visiting Martin Audio would then go next door to see what Midas was working on.

The two co-located companies became synonymous in the minds of many live sound customers and the calibrated Midas / Martin modular PA systems became a regular fixture on concert tours in the 1970's, with Martin Audio responsible for the loudspeaker cabinets, whilst Midas manufactured the electronics.

A shift in the company's business took place a couple of years later as Jeff was inspired to look at how the primitive concert sound equipment of the day could be improved upon and set out to create a complete modular PA system including speakers, amplifiers and mixers.

This system included what can be regarded as the very first Midas console, a powered mixer manufactured in Jeff's in West Hampstead.

As the company grew, manufacturing moved out of Jeff's flat into a small building in Stanhope Street near London's Euston Station in 1972, which just happened to be next to already-established speaker manufacturer Martin Audio.

1971

Early Days in Australia

In 1971, around the same time that Midas Amplification were making their transistorised guitar amplifiers, up in the English Midlands another company was formed by brothers Philip and Terence Clarke, which produced coin-operated car washing and vacuuming machines.

1974

On Tour with the Supergroups

These new industry connections resulted in an association with Supertramp's sound rental company "Delicate Productions" and Jeff Byers going on the road with Supertramp on their "Crime of the Century" tour alongside engineer Russell Pope in 1974.

1980

The PRO40 is Born

Midas continued into the 1980's with the PR 40 series; often referred to as PRO40. This range of modules provided more facilities and could be used to produce much larger mixing consoles.

MIDAS

1986

The Kidderminster Connection

As a forerunner of Midas' future success however, the XL console, the first of the XL series, was launched at the New York Audio Engineering Society Convention in 1986.

1990

XL3-The New Midas

It was the next Midas console that re-established the brand, the XL3 was essentially a monitor version of the XL2, but with the innovative use of VCA faders (fitted on to the front of the original chassis) making the product suitable for Front of House mix duties, too.

1995

XL4 - The Ultimate Analogue Console

The next project was the flagship XL4 which still stands as the ultimate statement in analogue live performance mixing consoles, and is still specified on concert tour riders today. The console toured the world with Aerosmith, Bon Jovi, Metallica, The Rolling Stones, Simply Red and many other high profile acts.

2002

Legend-The World's First "Tri-Purpose" Console

Midas too had been busy in Kidderminster, with the innovative LEGEND 3000 console, launched in 2002. As well as being suited to both Front of House and monitor mix duties, the console featured two sets of faders per channel to allow simultaneous mixing for both from the same console - hence it being advertised as the world's first "Tri-Purpose" mixing console.

2003

A Digital Dawn

Midas recruited a small team of former Amek R&D engineers to form the core of its new digital console team. Working out of a tiny office in Empress Buildings, a converted Victorian Brewery in Manchester. This team, augmented by R&D staff in Kidderminster, would be responsible for the hardware and DSP design, analogue circuitry and front-end user interface development.

2006

Digital Goes Midas

The Midas XL8 Live Performance System digital console was launched at the Frankfurt Pro Light + Sound trade show in March 2006 to great acclaim. A total of three consoles were at the show, two on the booth and one in the giant outdoor Agora Tent, the XL8 was quite literally the talk of the show.

2008

PRO Series - Reborn for the Digital Age

With the XL8 aimed squarely at the highest end of the market, the digital console development team spent the next two years concentrating on the next phase, scaling down the XL8 technology into a "workhorse" package.

2011

The PRO Series Expands

With significant new investment in Midas and Klark Teknik, the Company expanded with more engineers and another floor at the City Park site.

2012

The "Million Cycle" Midas PRO FADER

One of the first projects that Midas embarked upon utilised the large scale manufacturing resources of the Music Tribe and created the million-cycle Midas PRO FADER, which greatly exceeds the operational life of motorised faders fitted to competitor consoles.

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DM12

12 Input Analogue Live and Studio Mixer with Midas Microphone Preamplifiers



Product Features

- Live performance and studio recording analogue mixer with 12 input channels
- 8 mono input channels with award-winning Midas microphone preamplifiers
- 2 electronically-balanced stereo line input channels on 1/4" TRS connectors
- 3 band EQ on mono channels with swept mid band
- 2 aux sends with pre/post fader switching
- 60 mm precision long-life faders
- Rugged chassis construction for durability in portable applications
- Auto-ranging universal switch-mode power supply

MIDAS



The compact DM12 honours your stage or studio desktop space, while providing incredible sonic performance, amazing versatility and an unheard of level of affordability.

What is the secret behind DM12's superb, studio-quality sound? The DM12 features 8 award-winning, Midas microphone preamplifiers with true +48 V Phantom Power, acclaimed by audio engineers the world over for their transparency and nuanced low noise, high-headroom design. Add to this TRS Line Inputs on all 12 channels (8 mono and 2 stereo), mono channel Inserts and 3-band EQ with mid-frequency sweep, 2 switchable pre/post-fader aux sends, 2 monitor outs and 2-track RCA I/O, and you have an analogue work of art the fully featured DM12!

Live Performance and Studio Recording

With 12 channels, the DM12 has more than enough microphone and line inputs to manage a small band or worship team with channels to spare - both on the stage and in the studio. It is also the ideal choice for use as a keyboard or drum sub-mixer for larger scale performances.

Dedicated Stereo Inputs

Line channels 9/10 - 11/12 are dedicated stereo channels, making them ideal for stereo instruments, such as keyboards - and can also be used for mono signals thanks to a convenient balance control on each 2-channel grouping. These channels can also be used as return inputs for signals sent external effects processing equipment.

Architecture & Engineering Specifications

The audio mixing console shall be an analogue design suitable for use in live performance and studio recording, and equipped with 12 Midas microphone preamplifiers.

The mixing console shall have 8 mono channels, and each shall provide the following: 1 balanced XLR microphone input, 1 balanced 1/4" TRS line level input, and a 1/4" TRS Insert. A gain control shall provide adjustment of the input signal from 10 to 60 dB (mic) and -10 to +40 dB (line). An EQ treble control shall provide a range of 15 dB of boost and cut of shelving EQ at 12 kHz. An EQ mid control shall provide a range of 15 dB of boost and cut, and a mid-sweep control shall provide peak EQ adjustment from 150 Hz to 3.5 kHz.

An EQ bass control shall provide a range of 15 dB of boost and cut of shelving EQ at 80 Hz. Aux 1 and Aux 2 controls shall provide adjustment of the Auxiliary 1 and 2 outputs from 0 to +10 dB. A pan control shall position the mono channel in the mix. A PFL (pre fader listen) switch shall allow the channel signal to be soloed and routed to the master meters, monitors, and headphones. A mute switch shall be provided to mute the channel, and a peak LED shall indicate channel signal overloading. A 60 mm mono channel fader shall allow adjustment of the channel level in the mix.

Value

No matter what your audio mixing needs, the DM12 provides the performance and features required to take your talent to the next level, at a price that is custom-tailored for the budget-savvy user. Professional sound quality, our legendary Midas mic preamps, 3-band EQs with sweepable mids, and much more make the DM12 mixer ideal for both your live gigs and recording. Try one out today, or feel free to order yours online.

MIDAS

DM16

16 Input Analogue Live and Studio Mixer with Midas Microphone Preamplifiers



Product Features

- Live performance and studio recording analogue mixer with 16 input channels
- 12 mono input channels with award-winning Midas microphone preamplifiers
- 2 electronically-balanced stereo line input channels on 1/4" TRS connectors
- 3 band EQ on mono channels with swept mid band
- 2 aux sends with pre/post fader switching
- 60 mm precision long-life faders
- Rugged chassis construction for durability in portable applications
- Auto-ranging universal switch-mode power supply

MIDAS



The compact DM16 honours your stage or studio desktop space, while providing incredible sonic performance, amazing versatility - and an unheard of level of affordability.

What is the secret behind DM16's superb, studio-quality sound? The DM16 features 12 award-winning, MIDAS microphone preamplifiers with true +48 V Phantom Power, acclaimed by audio engineers the world over for their transparency and nuanced low noise, high-headroom design. Add to this TRS Line Inputs on all 16 channels (8 mono and 2 stereo), mono channel Inserts and 3-band EQ with mid-frequency sweep, 2 switchable pre/post-fader aux sends, 2 monitor outs and 2-track RCA I/O, and you have an analogue work of art - the fully featured DM16!

Dual Aux Sends

The DM16 is also equipped with 2 aux sends with pre/post fader switching for added versatility. Users can select to use them for external effects processing, custom monitor mixes, or a combination of the two. Additional monitoring outputs are provided of the main mix for stage or studio monitor applications.

Quality is Job #1

While some manufacturers cut quality when they design small mixers, we understand that every mixer should provide uncompromising performance and a robust feature set. The very embodiment of quality, from its rugged construction and top-of-the-range components to that unmistakable Midas sound - the DM16 is a truly professional audio console.

Architecture & Engineering Specifications

The audio mixing console shall be an analogue design suitable for use in live performance and studio recording, and equipped with 12 MIDAS microphone preamplifiers.

The mixing console shall have 12 mono channels, and each shall provide the following: 1 balanced XLR microphone input, 1 balanced ¼ " TRS line level input, and a ¼ " TRS Insert. A gain control shall provide adjustment of the input signal from 10 to 60 dB (mic) and -10 to +40 dB (line). An EQ treble control shall provide a range of 15 dB of boost and cut of shelving EQ at 12 kHz. An EQ mid control shall provide a range of 15 dB of boost and cut, and a mid-sweep control shall provide peak EQ adjustment from 150 Hz to 3.5 kHz. An EQ bass control shall provide a range of 15 dB of boost and cut of shelving EQ at 80 Hz. Aux 1 and Aux 2 controls shall provide adjustment of the Auxiliary 1 and 2 outputs from 0 to +10 dB. A pan control shall position the mono channel in the mix.

A PFL (pre fader listen) switch shall allow the channel signal to be soloed and routed to the master meters, monitors, and headphones. A mute switch shall be provided to mute the channel, and a peak LED shall indicate channel signal overloading. A 60 mm mono channel fader shall allow adjustment of the channel level in the mix.

Value

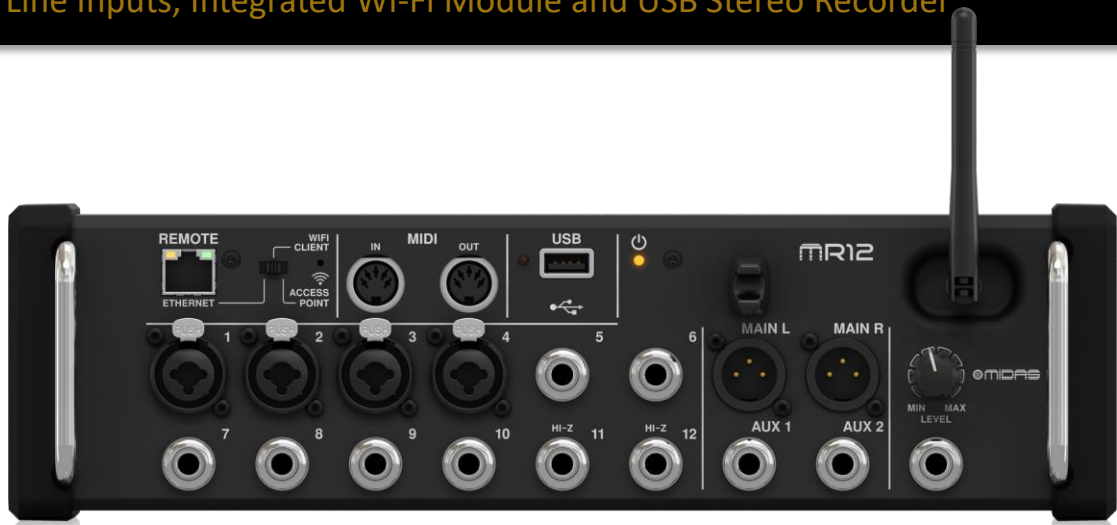
No matter what your audio mixing needs, the DM16 provides the performance and features required to take your talent to the next level, at a price that is custom-tailored for the budget-savvy user. Professional sound quality, our legendary Midas mic preamps, 3-band EQs with sweepable mids, and much more make the DM16 mixer ideal for both your live gigs and recording. Try one out today, or feel free to order yours online.

MIDAS

MR12

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12-Input Digital Mixer for iPad/Android Tablets with 4 Midas PRO Preamps, 8 Line Inputs, Integrated Wi-Fi Module and USB Stereo Recorder



The MIDAS M32 completely redefined what is possible from a digital mixer - and thousands of users are enjoying the results. Now that technology has been incorporated into the small but powerful MR12 rack-mountable mixer, which will forever change the way you record and the way you play live music.

Product Features

- iPad*/Android* tablet controlled 12-input digital mixer for studio and live application
- 4 award-winning Midas PRO microphone preamplifiers
- Built-In Tri-Mode Wi-Fi router for direct operation-no need for external routers
- Dugan*-style Auto-Mixing automatically manages microphone gain sharing
- USB connector for uncompressed stereo WAV recording and playback
- 4 digital signal processing effects engines
- Rack ears and protection bumpers included for flexible rack and onstage applications
- 6 aux buses and main LR with inserts, full dynamics processing and 6-band parametric or 31-band graphic EQ
- 2 TRS aux outputs and 2 XLR main outputs plus phones connector
- 40 bit floating point digital signal processing
- Free iOS, Android and PC/Mac*/Linux* apps available for remote operation via Ethernet, LAN or Wi-Fi
- MIDI In/Out allows controlling the mixer via MIDI equipment
- Future firmware updates, incl. new FX "Plug Ins", downloadable from midasconsoles.com free of charge
- Auto-ranging universal switch-mode power supply

MIDAS

Built-In Tri-Mode Wifi Router

Designed for the ultimate in mobility, the MR12 comes with an integrated Wifi module for direct control of your mixer's functions - without the need to setup and configure an external router. The MR12 gives you the freedom to focus on your mix, while allowing you to move about the venue to experience what every part of the audience is hearing. Plus you can adjust live monitor wedges from the artist's perspective - or better yet, let them mix their own IEMs and floor monitors via their own tablets.

Access Point is the easiest way to connect up to 4 clients directly and concurrently (i.e., iPad, Android smartphone/tablet or laptop). This mode should have your remote control up and running in less than a minute.

Wifi Client allows you to add your mixer to the existing wireless network where the controlling apps and devices are connected. Alternately, wired connections can be made directly to your PC, to a local area network (LAN), or when connecting to a dedicated Wifi router, e.g., for extended range or 5 GHz applications.



Recording Simplified

MR12 features a convenient USB connector that makes it easy to store files or record and playback uncompressed stereo WAV files of your mix. Dial in the perfect monitoring mix with effects and zero-latency performance using one of the Aux buses, while recording up to 12 source signals - and send the keyboard player's MIDI notes to your DAW for recording and editing.

Whether you are making rock history in the studio, or you want to capture intimate live performances - it has never been easier to record stunning tracks with exceptional clarity.



4 Onboard M32 Effects Engines

Equipped with the very same FX engines as the now legendary M32 Digital Mixing Console, the onboard virtual FX Rack provides access to four true-stereo (8 mono), multi-effects processors including delay, chorus, dynamics - plus the MR12 can run production-quality, true-stereo reverbs concurrently with 31-band EQ on the main and aux buses, all without the need for any additional hardware.

You can select any combination of high-end simulations of legendary studio effects, such as the Lexicon 480L and PCM70, as well as the EMT250 and Quantec QRS reverbs. Onboard processing means your computer no longer has to do the heavy lifting during a mixing session with DAW plugins, as the MR12 has a whole studio of FX under its bonnet.

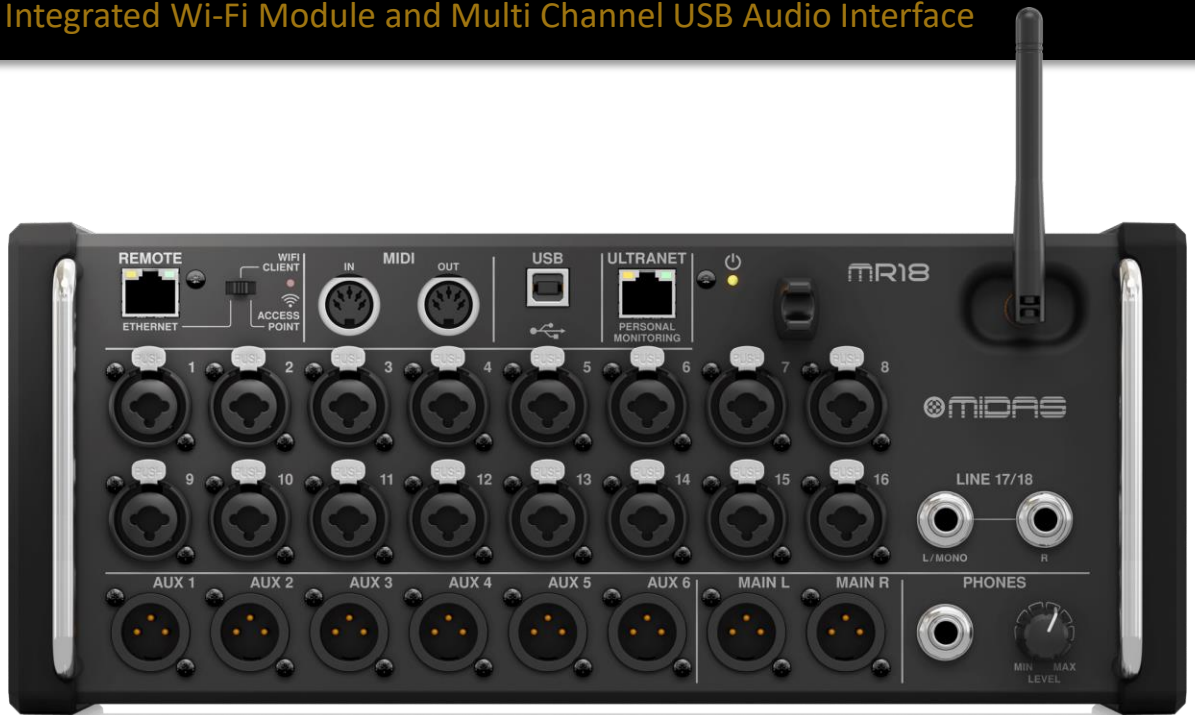
Custom-designed, and physically modeled after some of the most iconic and sought-after processors, all effects run inside the low-latency environment of the M32 mix engine, ensuring flawless performance, flexible routing and the end of cable faults.

MIDAS

MR18

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18-Input Digital Mixer for iPad/Android Tablets with 16 Midas PRO Preamps, Integrated Wi-Fi Module and Multi Channel USB Audio Interface



The Midas M32 completely redefined what is possible from a digital mixer - and thousands of users are enjoying the results. Now that technology has been incorporated into the small but powerful MR18 rack-mountable mixer, which will forever change the way you record and the way you play live music.

Product Features

- iPad*/Android* tablet controlled 18-input digital mixer for studio and live application
- 16 award-winning Midas PRO microphone preamplifiers
- Built-In Tri-Mode Wifi router for direct operation-no need for external routers
- 18 x 18 channel, bidirectional USB2.0 interface
- Dugan*-style Auto-Mixing automatically manages microphone gain sharing
- 4 digital signal processing effects engines
- ULTRANET connectivity for P-16 Personal Monitoring System*
- Rack ears and protection bumpers included for flexible rack and onstage applications
- 6 aux and main LR buses with inserts, full dynamics processing and 6-band parametric or 31-band graphic EQ
- 6 XLR aux outputs and 2 XLR main outputs plus phones connector
- 40 bit floating point digital signal processing
- Free iOS, Android and PC/Mac*/Linux* apps available for remote operation via Ethernet, LAN or Wi-Fi
- MIDI In/Out allows controlling the mixer via MIDI equipment or for use as a USB MIDI interface
- Future firmware updates, incl. new FX "Plug Ins", downloadable from midasconsoles.com free of charge
- Auto-ranging universal switch-mode power supply

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16 Midas Pro Mic Preamps

The Midas Pro mic amp was developed for the PRO Series mixing consoles and is also found in the M32 - and has been recognised by leading live sound and recording engineers as the very essence of the famous Midas sound. It is here in the MR18 that more than 40 years of design excellence has come together with premium grade components to provide unparalleled warmth and depth, subtle ambience, and immaculate spatial positioning - for more precise imaging than competing models. The award-winning Midas microphone preamplifier has inspired generations of live sound engineers to their best work, creating sonic landscapes that have captivated audiences worldwide. MR18 comes equipped with 16 Midas Pro preamps, all of which are literally ready for your input via the Neutrik combo connectors with locking latches.

16 Channels of Personal Monitoring

The easy way to send sound, Behringer's proprietary ULTRANET connectivity allows you to send 16 digital sources over a lightweight and easy-to-deploy Cat 5e cable to P16-D Digital ULTRANET Distributors, or directly to P16-M Personal Monitor Mixers. This powerful and advanced technology makes it easy for individual performers to create their own "more me" mix - and frees you to put on your best show.



Uncompromised Channel Processing

The MR18 allows you to achieve the same incredible level of EQ finesse as the award-winning M32 thanks to its 100-band Real Time Analyzer, which is built into every input channel and bus EQ. Visual feedback built into the control app allows you to see and make fast, surgical adjustments to frequencies in need of a boost or a cut. You will wonder how you ever EQ'd without it!

Every input channel also features Low-Cut, 4-band fully parametric EQ and the same Gate and Compressor dynamics suite found in the M32 - with one very special addition; you can choose either Expert or Simple functionality. In Expert mode, you can drill down and take total control over every nuance of your dynamics. Or, if you are more of the 'plug and play' type, Simple mode lets you either select from one of 4 carefully optimized presets - or load your own channel templates. Add to this 40-Bit, floating-point DSP and you will experience virtually "unlimited" dynamic range with no internal overload and near-zero overall latency.

In addition to the Main L/R bus for Front of House, 6 Aux buses are provided for dialing in the perfect monitor mixes, or creating a dedicated mix for your USB stereo recording - complete with inserts, dynamics, and either a 6-band parametric EQ or 31-band graphic EQ. And if you want even more precise control over your EQ, 100-band RTAs are available for all of these buses, too.

MIDAS

M32 LIVE

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



Designing A Future Classic

Our goal for M32 LIVE was to combine the best of classic British console designs with advanced modern technology to completely redefine what a medium-format live console can offer.

We began the industrial design process by drawing inspiration from a somewhat unexpected source - the luxury and high-performance car industry.

Product Features

- 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)
- 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
- Daylight viewable 7" full colour TFT display screen
- 32 x 32 channel USB 2.0 audio interface
- DAW remote control emulations of Mackie Control* and HUI* protocols
- Optional wireless remote control with Midas Apps for iPhone* and iPad*
- Auto-rangng universal switch-mode power supply

MIDAS

Why High-Performance Cars?

Simply because the design teams at Aston Martin*, Bentley*, Rolls Royce*, and other leading manufacturers are skilled at introducing innovative technological advancements while simultaneously maintaining the feel, essence, and intangible qualities of their cherished brands. And in essence, that's the challenge we too faced when creating the M32 LIVE console.

So in order to create a future-forward design that took the Midas legacy even further, we enlisted the help of Rajesh Kutty, a leading industrial designer known for his work with celebrated luxury auto manufacturers such as Bentley, etc.



The Landmark in Console History

A close look at M32 LIVE reveals that the styling is completely new in every sense of the word. Rajesh Kutty's automotive-inspired design elements mesh perfectly with a recognisable Midas signature, setting the M32 LIVE apart from any other console. Its beautifully streamlined and elegant form factor completely revolutionises the experience of live mixing.

The Midas M32 LIVE construction is equally impressive and is designed to offer you years of reliable performance while withstanding the demanding environment of live performance venues. M32 LIVE employs a predominantly space-frame construction, with parts of the sub-frame consisting of durable and lightweight carbon fibre and aluminium. Multiple alloys have been employed throughout to guarantee maximum component efficiency and an improved performance-to-weight ratio.

Built for Tomorrow

The M32 LIVE is a console built for today, and tomorrow - its rock-solid proprietary operating system and the 0.8 ms audio engine provide outstanding state-of-the-art audio performance for years to come.

Award-Winning Midas Mic Preamp

The Midas mic preamp is considered by leading live sound and recording engineers to be the very essence of the famous Midas sound. More than 40 years of design experience paired with the finest choice of premium-grade components lead to the acclaimed warmth and depth, bring out subtle ambience, maintain spatial positioning, and more effectively capture a precise image.

The acclaimed sound of the award-winning Midas microphone preamplifier has inspired generations of live sound engineers to their best work, creating sonic landscapes that have captivated audiences worldwide.

Legendary Midas Sound Quality

While the Midas M32 LIVE design, styling, and construction will surely turn a lot of heads, it's the sound that matters most to engineers and performing artists. And that's where M32 LIVE shines even brighter - as the latest in a long line of pristine-sounding Midas consoles, it descends from a celebrated lineage that literally set the standard in electrical design and sound quality.

Ever since Midas consoles first found fame 40 years ago with acts like Billy Joel, Yes, The Beach Boys, Pink Floyd and others, the Midas legacy has always been about uncompromising quality and the ultimate in sound reproduction.

Backing the analogue input section are audiophile Cirrus Logic multi-channel 192 kHz capable A/D converters, which boast a 114 dB dynamic range, ensuring impressively low distortion and low noise performance.

MIDAS

M32 R LIVE

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

A close look at M32R LIVE reveals that the styling is completely new in every sense of the word. Rajesh Kutty's automotive-inspired design elements mesh perfectly with a recognisable Midas signature, setting the M32R LIVE apart from any other console. Its beautifully streamlined and elegant form factor completely revolutionises the experience of live mixing.

The Midas M32R LIVE construction is equally impressive, and is designed to offer you years of reliable performance while withstanding the demanding environment of live performance venues. M32R LIVE employs a predominantly space-frame construction, with parts of the sub-frame consisting of high-performance aluminium.



Product Features

- 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)
- Up to 3 hours of 32 channel PCM recording in one session - stored as uncompressed WAV files
- High-performance aluminium and high-impact steel structure
- Rack mount brackets included for ultimate flexibility
- 40 bit floating point digital signal processing
- 8 DCA and 6 mute groups
- 8 digital signal processing effects engines
- 17 Midas PRO motor faders
- Daylight viewable 5" full colour TFT display screen
- 32 x 32 channel USB 2.0 audio interface
- DAW remote control emulations of Mackie Control* and HUI* protocols
- Optional wireless remote control with Midas Apps for iPhone* and iPad*
- Auto-ranging universal switch-mode power supply

MIDAS

Industry-Leading 192 kHz Precision

The groundbreaking M32R LIVE console combines legendary Midas sound quality with advanced digital technology, future-proof floating point audio engine, extremely low-latency design and industry-leading 192 kHz ADC and DAC converters, creating a revolutionary mid-format live console. M32R LIVE features ultra-sleek styling, offering you a truly luxurious mixing experience. High-end construction materials include carbon fibre provide unparalleled durability and strength, plus substantially lower weight than comparable consoles.

The M32R LIVE utilises award-winning Midas PRO Series microphone preamplifiers and the custom-designed Midas PRO motorised faders that are rated for 1 million life cycles-three times more than other leading consoles.

Creating Sonic Landscapes

The Midas preamplifier design eliminates typical imbalances of gain-setting stages, thereby improving the common-mode rejection ratio (CMRR) and harmonic distortion to an almost immeasurable level. The constant high-frequency bandwidth topology assures excellent stability, RF rejection and noise performance at all gain levels, contributing to its transparent, open and dynamic sound.

But it doesn't end there, over the years many mix engineers have found that this robust and overload-tolerant design takes on a whole new dimension of sound when driven hard, the pristine audiophile reproduction giving way to just the right combination of harmonics, a warm and organic sound heard by millions of concertgoers and recorded for posterity on countless live albums over the years.

Since pristine sound always begins with the microphone preamplifier, the first point where your signal enters the console, M32R LIVE features genuine Midas microphone preamplifiers, which faithfully reproduce every sonic detail so no part of a performance will ever be missed.

Transparent and pristine sound, low noise and high common-mode rejection are all hallmarks of this classic design.

The microphone preamplifiers are the very same ones used in the industry standard Midas XL4 and HERITAGE 3000 consoles, which many consider to be the greatest analogue live consoles ever built.

Over the past decade, the XL4 and HERITAGE 3000 have been utilised by countless top artists including Bon Jovi, Alanis Morissette, AC/DC, Coldplay, Kid Rock, Metallica, Alicia Keys, Foo Fighters, Christina Aguilera, Sir Paul McCartney, Pearl Jam, and many more.

The M32R LIVE draws from this same legacy to bring you an elite professional level of audio quality and performance.

Legendary MIDAS Sound Quality

While the Midas M32R LIVE design, styling, and construction will surely turn a lot of heads, it's the sound that matters most to engineers and performing artists. And that's where M32R LIVE shines even brighter - as the latest in a long line of pristine-sounding Midas consoles, it descends from a celebrated lineage that literally set the standard in electrical design and sound quality. Ever since Midas consoles first found fame 40 years ago with acts like Billy Joel, Yes, The Beach Boys, Pink Floyd and others, the Midas legacy has always been about uncompromising quality and the ultimate in sound reproduction.

Backing the analogue input section are audiophile Cirrus Logic multi-channel 192 kHz capable A/D converters, which boast a 114 dB dynamic range, ensuring impressively low distortion and low noise performance.

The MIDAS logo is rendered in a bold, sans-serif font with a metallic, brushed metal texture. The letters are dark and have a slight 3D effect, giving it a professional and industrial appearance.

M32 C

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Digital Rack Mixer for Installed and Live Sound Applications with 40 Input Channels and 25 Mix Buses



The 40-input, 25-bus M32C takes the brain of the flagship M32 Digital Mixing Console and packs it all into a high-performance aluminium and steel 1U form factor. Combine the M32C with our DL16 or DL32 Stage Boxes to effortlessly run sound with high I/O counts in multiple remote locations.

Dual AES50 networking CAT5 connectors allow for up to 96 remote inputs and 48 output channels to be controlled from and processed by the M32C. All of this can be managed concurrently from various locations and instances via our free remote control software applications, M32-EDIT, M32-MIX, and M32-Q.

Above all, M32C is designed to put the power of digital in your hands, without compromise. Midas' singular focus on a matchless value proposition means M32C integrates advanced features such as integrated personal monitor mixing and true high-speed digital audio networking as standard features.



Product Features

- 40-input channel, 25-bus, 1U rackmountable digital mixing core for live and installed sound application
- 25 time-aligned and phase-coherent mix buses
- AES50 networking allows up to 96 inputs and 96 outputs
- High-performance 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
- 32 x 32 channel USB 2.0 audio interface
- Built-in expansion port for audio interface cards or digital networking bridges
- MIDI In/Out for remote scene recall or controlling other MIDI equipment
- Optional wireless remote control with Midas Apps for iPhone* and iPad*
- Auto-ranging universal switch-mode power supply

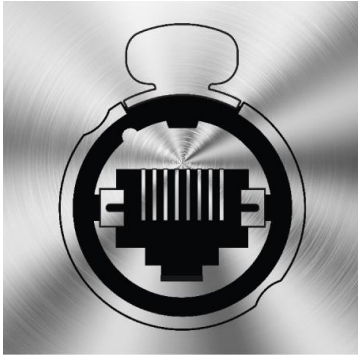
MIDAS



“Acoustic Integration” - the Live Sound Revolution

Legendary 40-year old British company Turbosound, famous for producing some of the world’s best speaker systems, have teamed up with Midas to seamlessly integrate mixer and speaker systems. We call it “Acoustic Integration”.

The M32C’s ULTRANET bus allows streaming up to 16 channels of pristine digital audio to an array of Turbosound iQ speakers - all on a single CAT5 cable, along with control data to set sound presets remotely.



What are AES50 and SuperMAC?

AES50 simultaneously provides high channel counts, extremely low and deterministic latencies, accurate phase-aligned networked clock distribution, error detection, network redundancy, with simple deployment and ease of use to meet the needs of the live performance industry.

This unique combination also benefits both live and studio recording applications, as well as post-production, broadcasting and audio routing infrastructure. SuperMAC is a proprietary implementation of AES50 owned by KLARK TEKNIK. Originally developed by Sony Pro-

Audio Labs in Oxford, UK, it forms the basis of the Audio Engineering Society’s AES50 open standard for digital audio networking – High Resolution Multi-channel Audio Interconnection (HRMAI), as published by the Audio Engineering Society, Inc.

- 48 bidirectional audio channels @ 48 kHz over Neutrik etherCON-terminated shielded (STP) CAT5 cable (max. length 100 meters / 328 feet)
- Single cable duplex interconnection for audio and sample clocks
- Ethernet physical layer audio data transmission
- High channel count and ultra-low deterministic latency (2x3 samples = 1/8 ms per node)
- Accurate phase-aligned clock distribution
- Comprehensive error detection and management
- Provision for redundant networking
- Minimal configuration - total ease of deployment and use
- Ethernet TCP/IP protocol-compatible auxiliary data channel

Real-Time Recording

The M32C forms the nucleus of an ultra-flexible studio control room setup when paired with DL16 I/O and POWERPLAY P16 Personal Monitoring Systems in each tracking room. The included 32 x 32 Klark Teknik DN32-USB audio interface, 8 stereo effects engines, zero-latency monitoring (independent from DAW) and 100% total recall deliver the tools to handle any project you dare to tackle.

You Are Connected

Each M32C comes loaded with all of the digital connectivity and functionality you need, right out of the box. Onboard USB 2.0 connectivity delivers a full 32 x 32 channels of audio and MIDI to your DAW. Integrated multi-channel digital audio interfaces connect to remote stage boxes and the P16 Personal Monitor System. Native Ethernet control enables remote operation by computer, iPad or iPhone over a wired or wireless network, across the room - or across the planet!

MIDAS

HD96-24

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Live Digital Console Control Centre with 144 Input Channels, 120 Mix Buses, 96 kHz Sample Rate and 21" Touch Screen



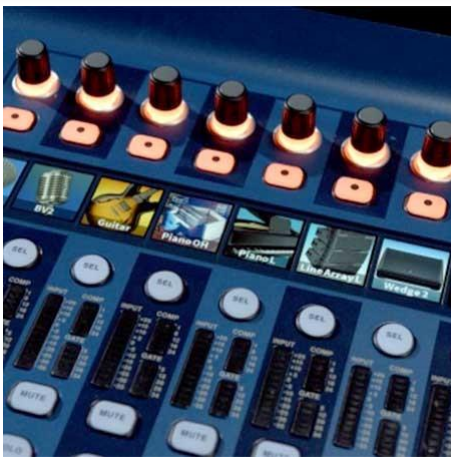
The Graviton Mk 2 Processing Engine

At the heart of every mixing console is the most important part – Audio. Overlooked by other manufacturers, we have always put sound at the top of our priority list. It was hard, almost impossible, but we improved on the legendary Midas digital sound with our new 64-bit summing mix engine with increased dynamic range. Driving a Midas has never been easier. The key to the Midas sound is in giving ultimate flexibility while still being delay compensated. Avoiding the dreaded comb filtering effect is so very important. Many other consoles simply ignore this crucial part of the audio signal path.

Product Features

- Live performance digital control centre with up to 144 simultaneous input channels and 96 kHz sample rate
- 120 time-aligned and phase-coherent mix buses
- 21" full colour TFT display screen with capacitive touch sensing
- Advanced and multi-gesture touchscreen user interface
- Award-winning Midas microphone preamplifiers
- HyperMAC and AES50 networking allows up to 576 inputs and 576 outputs @ 96 kHz sample rate
- Dual network bridge format converter with up to 128 bidirectional channels and asynchronous sample rate conversion
- 24 VCA (variable control association) groups, and unlimited POPulation groups
- Up to 24 multi-channel digital signal processing effects engines
- Integrated Wireless transceiver module
- Dual ULTRANET Ports providing 32 additional digital outputs
- 28 Midas PRO motorised 100 mm faders
- Fully interpolated touch sensitive controls
- Dual redundant auto-ranging universal switch-mode power supplies

MIDAS



Midas Touch

The first Midas full HD multitouch screen with up to 10 faders being controlled at once, unseen on a mixing console. Mixing never looked so good.

Shout Mixer

The Shout Mixer allows complex communication groups to be easily created and stored. 16 shout inputs (independent of the input and output channel count) can be used to create multifarious talk systems with 12 dedicated outputs. Instant recall allows you to use different settings for soundcheck and the all-important big show.

Channel AI™

Never before has a console been able to listen to your source, tell you what it is, suggest Gain, EQ, Compression and Gate settings if required. All this presented in an easy user interface that lets you decide which parts of suggested settings you wish to use. Adaptive presets let you pick the style of sound you want and the Channel AI™ does the rest. You'll wonder how you ever lived without it.

Tap Off Points

New tap off points on channels have been introduced to allow signals to be sent from any point in the signal path. This gives greater flexibility for sending signals to stage before any element of processing has been performed. All this without affecting what Midas magic is needed for the main mix.

For the first time on a Midas, post insert fader points are available plus all processing options orders can be changed by simply dragging and dropping in the order you desire.

Flexi-Aux

The Flexi-Aux system gives the ability to send aux to aux for group or stem style mixing. Now you can smash a whole drum kit with parallel compression and feed it to an artists in ear mix.

Variable Channel Phase

The new, intuitive, easy to use Variable Phase per channel allows sound sources to be blended together seamlessly, with high or low phase changes to mix signals together in ways never achievable before.



MIDAS

DL16

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



Digital mixing has revolutionized virtually everything in the live entertainment production workflow, and now that same cutting-edge technology brings live production signal distribution into the modern age. The DL16 Stage Box provides 16 of our award-winning microphone preamplifiers with switchable +48 V phantom power; 8 balanced analogue XLR returns at the stage end; an integrated ULTRANET output for connecting to BEHRINGER P16-M personal monitor mixers; plus, connectivity for your ADAT-compatible outboard equipment.

If your application calls for more inputs, or just want to keep your cable runs short and tidy, putting a DL16 at stage front and another behind the drum riser provides an additional 16 inputs for drum and guitar/bass amp mic'ing. The best part - all it takes is a single CAT5 cable per stage box.



Product Features

- 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 330 ft / 100 m length
- All settings programmable from front panel controls or console
- Status indicator LEDs on front panel
- 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 Neutrik etherCON* AES50 and ULTRANET network ports
- Rugged 2U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply

MIDAS



Assignable Headphones Output for On-Stage Monitoring

For easy set up and signal routing verification, a headphones jack is conveniently located on the front of the DL16, giving you the option of listening directly to any of the 16 inputs. Simply select the signal you need to monitor by scrolling through the 16 channels whilst adjusting the gain and selecting the operating mode - all via a single robust rotary control.



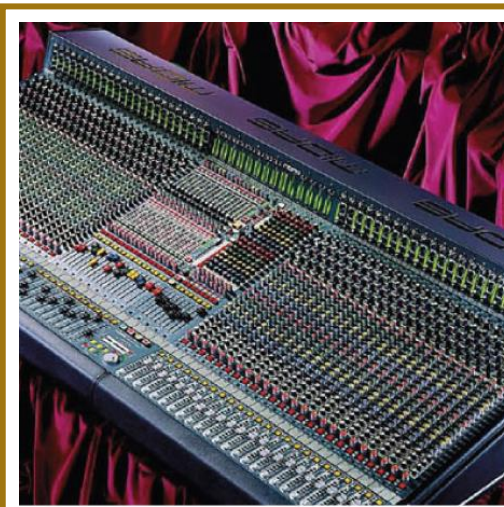
MIDI In/Out

Using scene automation has never been simpler or more convenient. The automation scenes allow MIDI events to be incorporated, so that external MIDI-compatible devices can be controlled as part of a scene change via your console's MIDI output. Additionally, console events can be triggered from an external MIDI source via your console's MIDI input. You can also control the gain and phantom power settings remotely using the MIDI communication functionality.



ADAT-Ready

Many manufacturers have adopted the ADAT digital interface as a means of transferring digital data between certain types of audio devices, such as mixers, synthesizers, lighting rigs and effect processors. The DL16's onboard ADAT Outputs enable splitting the high-quality Midas Pro Series preamp signals to outboard devices - including recording systems. When more channels are required, these optical sockets can alternately be used to connect ADAT-equipped D/A converters (such as the Behringer ADA8200) for up to 16 additional analogue outputs.



Remotely Controllable Preamps Make Setup a Breeze

DL16's ingenious monitoring/head amp control section allows you to select any of the 16 inputs, 8 bus outputs or P-16 output streams for immediate line checks.

In addition to signal metering at the stage box, you can also set individual input channel Gain, apply +48 V phantom power - and listen directly to the input signal via headphones and much more. Once set, all configuration settings can be locked at the console for total system security.

Unparalleled Performance

As you can see, the DL16 digital stage box is the ideal 16 x 8 signal distribution solution thanks to our legendary remote controllable mic preamps, Klark Teknik's AES50 connectivity and a wealth of other professional-grade features. Built tough enough to withstand the rigors of the road, the DL16 only takes up two rack spaces and connects to FOH with a single, inexpensive CAT5 cable. Now you can have the missing link between the stage and FOH at a fraction of the cost of competing systems - and we back it up with a comprehensive warranty program.



DL32

[← Back to Index](#)

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



Digital mixing has revolutionized virtually everything in the live-entertainment production workflow. The DL32 is the perfect solution for connecting the onstage talent with your Front of House (FOH) console, and the rest of the world - the I/O packed and highly affordable DL32 digital stage box.

The DL32 provides 32 Midas PRO Series remote-controllable mic preamps, plus 16 balanced analog XLR returns at the stage end - and all it takes is a single Cat 5e cable (up to 100 m / 328'). While Klark Teknik, the industry-leader in high-end digital audio processing, invented the AES50 Super MAC technology that made it all possible - our superb scale of production makes the DL32 so very affordable.

Product Features

- 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
- 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
- Automatic AES50 stage-split mode when connected between Midas M32 Series FOH and monitor consoles
- Dual ADAT outputs providing 16-channel digital output on two optical TOSLINK* connectors
- 2 AES-3 ports (AES/EBU), for directly connecting PA system controllers with digital inputs
- Remote operation via shielded CAT5e cable up to 330 ft / 100 m length
- Mute All function for quietly patching any inputs on stage
- MIDI In/Out for bidirectional communication between Midas M32 Series console and on-stage MIDI devices
- Features Neutrik etherCON* AES50 and ULTRANET network ports
- Rugged 3U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply

MIDAS



Ecosystem and Beyond

The DL32 was initially designed with our M32 Digital Mixing Console in mind, but any mixingboard with AES50 networking capability can still tap directly into the DL32's powerful feature set. For instance, a DL32 and M32C could be jointly utilised to create a remote controlled digital mixing system in only 4U.

Another prime application might include the M32C providing independent monitor mix duties, while also relaying and sharing all I/O with the main console - an M32, or any other digital mixer that supports MADI, Dante, ADAT or AES50 I/O. Reasonably priced option cards to replace the standard 32 x 32 channel USB interface are separately available for that exact purpose. You can even mix the complete show from the onstage M32C via dedicated remote control apps. And since the DL32 and M32C

communicate via AES50, they can be separated by up to 100 m (328') of CAT5 cabling, should that be more convenient for the venue.

Massive Connectivity

When used as part of a complete M32 system, two DL32 Stage Boxes can be cascaded via the built-in AES50 ports, providing connectivity for up to 64 mic/line inputs, 32 balanced outputs and the ULTRANET port allows direct connection to Turbosound iQ Series loudspeakers and the Behringer POWERPLAY P-16 Personal Monitoring System - which can feed up to 48 individual monitor mixers.

We also included 2 optical ADAT sockets and AES-3 (AES/EBU) for connecting to outboard devices, a convenient USB port for system updates via your PC - plus MIDI I/O for lighting systems and sound module control.



Extraordinary Value

As you can see, the DL32 is an extremely versatile 32 x 16 digital stage box solution with our remote-controllable mic preamplifiers, Klark Teknik's AES50 connectivity and a wealth of other professional-grade features - all at a price anyone can afford.

Built tough enough to withstand the rigors of the road, the DL32 only takes up two rack spaces and connects to FOH with a single, inexpensive CAT5 cable.

MIDAS

DL151

24 Input Stage Box with 24 Midas Microphone Preamplifiers



PRO SERIES DL151

DL151 is a 2U 19" fixed-configuration rack I/O unit with 24 mic/line level inputs and delivers legendary Midas sound quality utilising our timetested and road-proven technologies. Featuring award-winning Midas microphone preamplifiers with 2.5 dB analogue gain steps and two AES50 network ports providing dual redundancy, the DL151 is the ideal partner to all Midas PRO and M32 Series digital consoles, enabling a digital snake connection from Front of House to stage.



Product Features

- 24 award-winning Midas microphone preamplifiers with switchable +48 V phantom power
- Remote operation up to 100 m via CAT5/5e cable
- Selectable 96 kHz or 48 kHz sample rate operation
- All settings programmable from front panel controls or console
- PSU status indicator LEDs and configuration LCD display on front panel
- Supports dual redundant AES50 networks
- Features Neutrik etherCON* AES50 network ports
- Rugged 2U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply

Built for the Road

Featuring a rugged steel 2U rackmount enclosure, the DL151 is designed for the rigours of live concert touring. Premium Neutrik connectors are used for reliable audio and network connections, night after night.

MIDAS



Remote Console or Front Panel Control

All configuration settings for DL151 can be set either remotely from the mixing console, or directly via the intuitive and easy to understand front panel.

DL151 features a front panel LCD display with intuitive menu navigation for all configuration options with LED status indicators, which provide clear feedback of operational status over wide viewing angles and distances. Clear indication is provided showing power supply output rail condition and AES50 and Ethernet network connection status and activity.

Award-Winning MIDAS Microphone Preamplifier

The Midas microphone preamplifier is considered by leading live sound and recording engineers to be the very essence of the famous Midas sound. More than 40 years of design experience paired with the finest choice of premium-grade components lead to the acclaimed warmth and depth - bringing out subtle ambience, maintaining spatial positioning and more effectively capturing a precise sound image.

The acclaimed sound of the award-winning Midas microphone preamplifier has inspired generations of live sound engineers to their best work, creating sonic panoramas that have captivated audiences worldwide.

Since pristine sound always begins with the microphone preamplifier, the first point where the signal enters the console, DL151 features the latest generation of Midas microphone preamplifiers, which faithfully reproduce every sonic detail so no part of a performance will ever be missed. Transparent and pristine sound, low noise and high common-mode rejection are all hallmarks of this classic design.

Over the years many mix engineers have found this robust and overload-tolerant design takes on a whole new dimension of sound when driven hard, the crystal-clear audiophile reproduction giving way to just the right combination of harmonics, a warm and organic sound heard by millions of concert goers and recorded for posterity on countless live albums over the years.



96 kHz or 48 kHz Operation

DL151 supports multiple sample rates for the AES50 connections - 96 kHz for use with Midas PRO Series, and 48 kHz for use with Midas M32 Series.

MIDAS

DL152

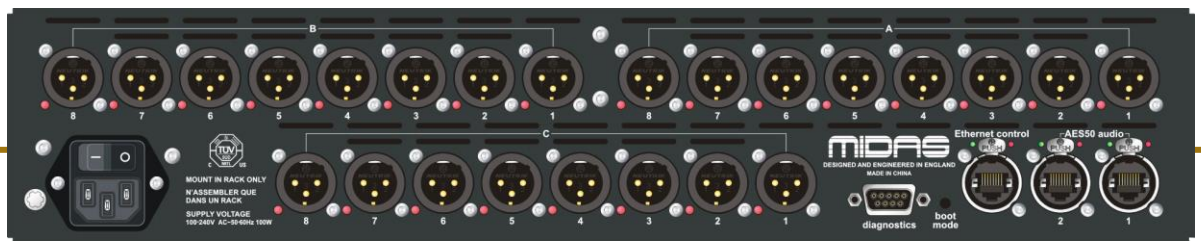
24 Output Stage Box



PRO SERIES DL152

DL152 is a 2U 19" fixed-configuration rack I/O unit with 24 line level outputs and delivers legendary Midas sound quality utilising our time-tested and road-proven technologies.

Featuring two AES50 network ports providing dual redundancy, the DL152 is the ideal partner to all Midas PRO and M32 Series digital consoles, enabling a digital snake connection from Front of House to stage.



Product Features

- 24 electronically balanced low impedance line level outputs
- Remote operation up to 100 m via CAT5/5e cable
- Selectable 96 kHz or 48 kHz sample rate operation
- All settings programmable from front panel controls or console
- PSU status indicator LEDs and configuration LCD display on front panel
- Supports dual redundant AES50 networks
- Features Neutrik etherCON* AES50 network ports
- Rugged 2U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply

Auto-Ranging Universal Switch-Mode Power Supply

DL152 features a universal power supply, which is auto-voltage sensing for use on a worldwide basis.

MIDAS



Remote Console or Front Panel Control

All configuration settings for DL151 can be set either remotely from the mixing console, or directly via the intuitive and easy to understand front panel.

DL151 features a front panel LCD display with intuitive menu navigation for all configuration options with LED status indicators, which provide clear feedback of operational status over wide viewing angles and distances. Clear indication is provided showing power supply output rail condition and AES50 and Ethernet network connection status and activity.

Award-Winning MIDAS Microphone Preamp

The Midas microphone preamplifier is considered by leading live sound and recording engineers to be the very essence of the famous Midas sound. More than 40 years of design experience paired with the finest choice of premium-grade components lead to the acclaimed warmth and depth - bringing out subtle ambience, maintaining spatial positioning and more effectively capturing a precise sound image.

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Over the years many mix engineers have found this robust and overload-tolerant design takes on a whole new dimension of sound when driven hard, the crystal-clear audiophile reproduction giving way to just the right combination of harmonics, a warm and organic sound heard by millions of concert goers and recorded for posterity on countless live albums over the years.



Built for the Road

Featuring a rugged steel 2U rackmount enclosure, the DL152 is designed for the rigours of live concert touring. Premium Neutrik connectors are used for reliable audio and network connections, night after night.

96 kHz or 48 kHz Operation

DL152 supports multiple sample rates for the AES50 connections - 96 kHz for use with Midas PRO Series, and 48 kHz for use with Midas M32 Series.

MIDAS

DL153

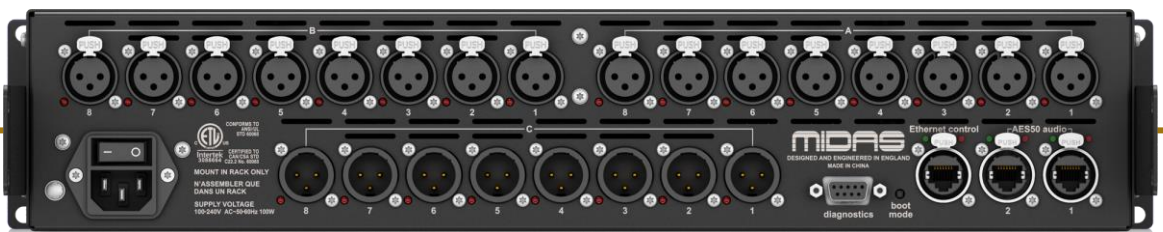
16 Input, 8 Output Stage Box with 16 Midas Microphone Preamplifiers



PRO SERIES DL153

DL153 is a 2U 19" fixed-configuration rack I/O unit with 16 mic/line level inputs and 8 line level outputs and delivers legendary Midas sound quality utilising our time-tested and road-proven technologies.

Featuring award-winning Midas microphone preamplifiers with 2.5 dB analogue gain steps and two AES50 network ports providing dual redundancy, the DL153 is the ideal partner to all Midas PRO and M32 Series digital consoles, enabling a digital snake connection from Front of House to stage.



Product Features

- 16 award-winning Midas microphone preamplifiers with switchable +48 V phantom power
- 8 electronically balanced low impedance line level outputs
- Remote operation up to 100 m via CAT5/5e cable
- Selectable 96 kHz or 48 kHz sample rate operation
- All settings programmable from front panel controls or console
- PSU status indicator LEDs and configuration LCD display on front panel
- Supports dual redundant AES50 networks
- Features Neutrik ether CON* AES50 network ports
- Rugged 2U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply

High Output Drive Line Outputs with Mute

DL153 features 8 active servo-balanced low impedance line level outputs with high output current capability for driving long cable runs.

The outputs feature an automatic mute facility if the audio signal path is muted by the mixing console operator, and individual LED indicators are provided for each output connector.

MIDAS



Remote Console or Front Panel Control

All configuration settings for DL153 can be set either remotely from the mixing console, or directly via the intuitive and easy to understand front panel.

DL153 features a front panel LCD display with intuitive menu navigation for all configuration options with LED status indicators, which provide clear feedback of operational status over wide viewing angles and distances. Clear indication is provided showing power supply output rail condition and AES50 and Ethernet network connection status and activity.

Digital Audio Networking

SuperMAC (AES50-Compliant) digital audio networking technology from Klark Teknik simultaneously provides high channel counts, ultra low and deterministic latencies, sample-synchronous and phase-aligned networked clock distribution, error detection and correction, network redundancy, and ease of deployment and use - to meet the demanding requirements of live concert touring.

DL153 is compatible with all Midas digital consoles and audio system engines, as well as with any other AES50-equipped devices.

High Output Drive Line Outputs with Mute

DL153 features 8 active servo-balanced low impedance line level outputs with high output current capability for driving long cable runs.

The outputs feature an automatic mute facility if the audio signal path is muted by the mixing console operator, and individual LED indicators are provided for each output connector.



96 kHz or 48 kHz Operation

DL153 supports multiple sample rates for the AES50 connections - 96 kHz for use with Midas PRO Series, and 48 kHz for use with Midas M32 Series.

Built for the Road

Featuring a rugged steel 2U rackmount enclosure, the DL153 is designed for the rigours of live concert touring. Premium Neutrik connectors are used for reliable audio and network connections, night after night.

Auto-Ranging Universal Switch-Mode Power Supply

DL153 features a universal power supply, which is auto-voltage sensing for use on a worldwide basis.



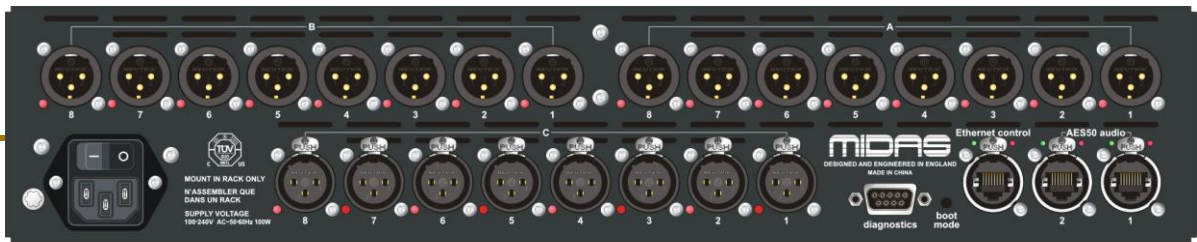
DL154

8 Input, 16 Output Stage Box with 8 Midas Microphone Preamplifiers



PRO SERIES DL154

DL154 is a 2U 19" fixed-configuration rack I/O unit with 8 mic/line level inputs and 16 line level outputs and delivers legendary Midas sound quality utilising our time-tested and road-proven technologies. Featuring award-winning Midas microphone preamplifiers with 2.5 dB analogue gain steps and two AES50 network ports providing dual redundancy, the DL154 is the ideal partner to all Midas PRO and M32 Series digital consoles, enabling a digital snake connection from Front of House to stage.



Product Features

- 8 award-winning Midas microphone preamplifiers with switchable +48 V phantom power
- 16 electronically balanced low impedance line level outputs
- Remote operation up to 100 m via CAT5/5e cable
- Selectable 96 kHz or 48 kHz sample rate operation
- All settings programmable from front panel controls or console
- PSU status indicator LEDs and configuration LCD display on front panel
- Supports dual redundant AES50 networks
- Features Neutrik ether CON* AES50 network ports
- Rugged 2U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply

Built for the Road

Featuring a rugged steel 2U rackmount enclosure, the DL154 is designed for the rigours of live concert touring. Premium Neutrik connectors are used for reliable audio and network connections, night after night.

MIDAS



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Remote Console or Front Panel Control

All configuration settings for DL154 can be set either remotely from the mixing console, or directly via the intuitive and easy to understand front panel.

DL154 features a front panel LCD display with intuitive menu navigation for all configuration options with LED status indicators, which provide clear feedback of operational status over wide viewing angles and distances. Clear indication is provided showing power supply output rail condition and AES50 and Ethernet network connection status and activity.

Award-Winning MIDAS Microphone Preamp

The Midas microphone preamplifier is considered by leading live sound and recording engineers to be the very essence of the famous Midas sound. More than 40 years of design experience paired with the finest choice of premium-grade components lead to the acclaimed warmth and depth - bringing out subtle ambience, maintaining spatial positioning and more effectively capturing a precise sound image. The acclaimed sound of the award-winning Midas microphone preamplifier has inspired generations of live sound engineers to their best work, creating sonic panoramas that have captivated audiences worldwide.

Since pristine sound always begins with the microphone preamplifier, the first point where the signal enters the console, DL154 features the latest generation of Midas microphone preamplifiers, which faithfully reproduce every sonic detail so no part of a performance will ever be missed. Transparent and pristine sound, low noise and high common-mode rejection are all hallmarks of this classic design.

Over the years many mix engineers have found this robust and overload-tolerant design takes on a whole new dimension of sound when driven hard, the crystal-clear audiophile reproduction giving way to just the right combination of harmonics, a warm and organic sound heard by millions of concert goers and recorded for posterity on countless live albums over the years.

High Output Drive Line Outputs with Mute

DL154 features 16 active servo-balanced low impedance line level outputs with high output current capability for driving long cable runs.

The outputs feature an automatic mute facility if the audio signal path is muted by the mixing console operator, and individual LED indicators are provided for each output connector.

Digital Audio Networking

SuperMAC (AES50-Compliant) digital audio networking technology from Klark Teknik simultaneously provides high channel counts, ultra low and deterministic latencies, sample-synchronous and phase-aligned networked clock distribution, error detection and correction, network redundancy, and ease of deployment and use - to meet the demanding requirements of live concert touring.

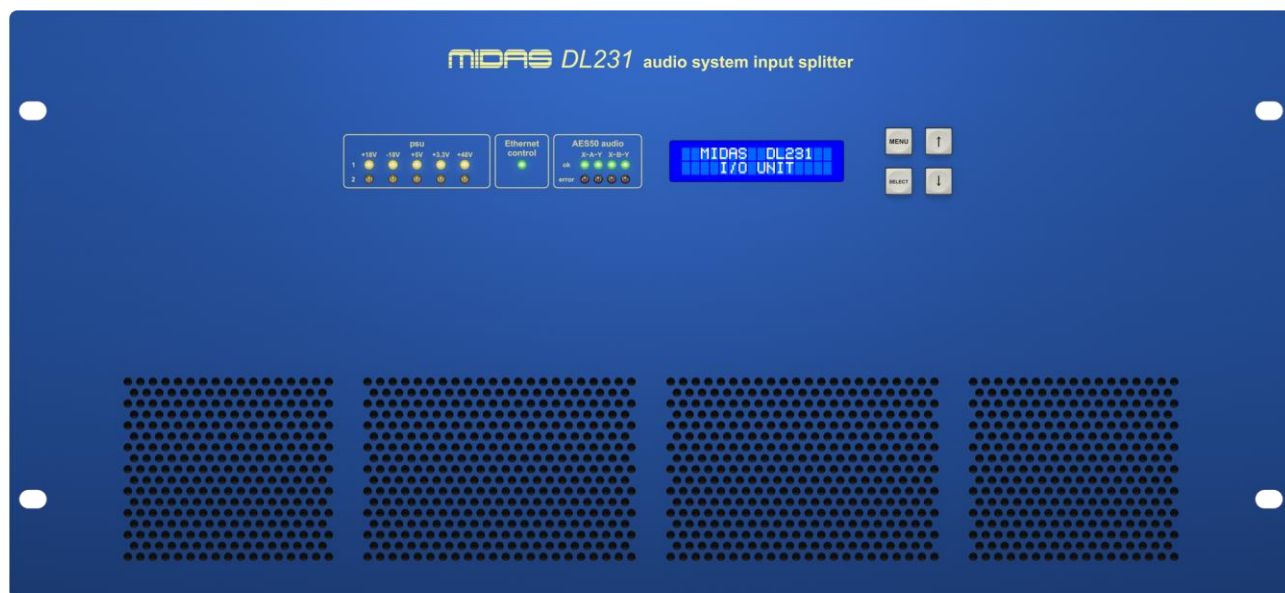
DL154 is compatible with all Midas digital consoles and audio system engines, as well as with any other AES50-equipped devices.

MIDAS

DL231

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24 Input, 24 Output Active Microphone Splitter with 2 Independent Midas Microphone Preamplifiers per Input



Midas - The Legend in Sound Quality

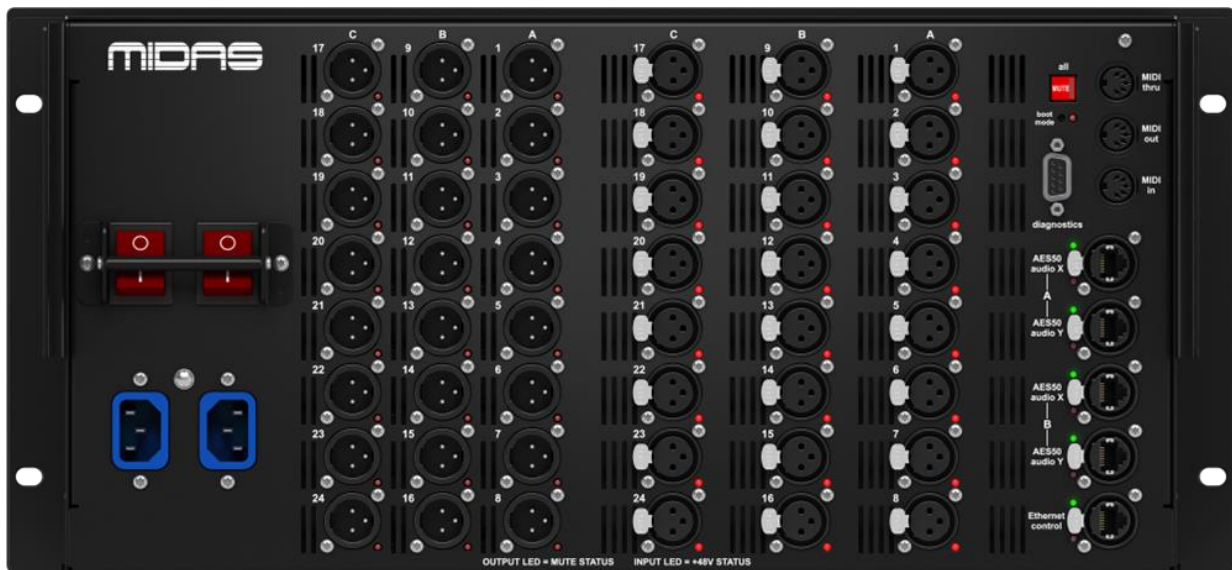
With two independent Midas mic preamps per input, the highest quality of sonic performance is guaranteed. And with dual-redundant network ports and power supplies, peace of mind comes as standard.

With today's tech-savvy concertgoers demanding more and more from the professional sound engineer, the need to increase flexibility and functionality has never been greater. That's why the Midas Research and Development team have expanded upon the existing Microphone Splitter format to bring you the DL231.

Product Features

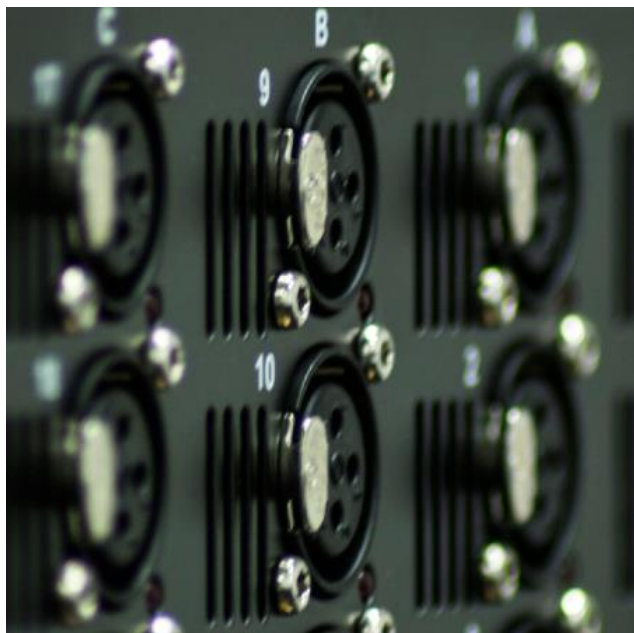
- 2 award-winning Midas microphone preamplifiers per input with switchable +48 V phantom power
- 2 dual redundant AES50 network ports with independent phase-locked loop synchronisation
- 24 electronically balanced output channels can be sourced from microphone preamplifiers or AES50 ports
- Remote operation up to 100 m via CAT5/5e cable
- Selectable 96 kHz or 48 kHz sample rate operation
- All settings programmable from front panel controls or console
- PSU status indicator LEDs and configuration LCD display on front panel
- MIDI In, Out and Thru connectors
- Features Neutrik ether CON* AES50 network ports
- Rugged 5U rackmount chassis for durability in portable applications
- Dual redundant auto-ranging universal switch-mode power supplies

MIDAS



Analogue Meets Digital - The Best of Both Worlds

The DL231 combines the warmth and authenticity of analogue circuitry with the precision and agility of state-of-the-art digital techniques. Extreme care has been taken in the planning and execution of the PCB layout to maintain exceptional grounding and analogue/digital separation.



Versatility Without Compromise

As with all Midas products versatility without compromise is a priority, that's why the DL231 comes fitted with MIDI (In, Out and Thru) and an Ethernet Control port, plus four AES50 ports to handle the independent dual-redundant digital audio interfaces.

The DL231 is capable of being switched between 24-bit 96 kHz and 48 kHz operation. A Mute All Outputs button is provided for convenient onstage re-patching - and the DL231 is powered by dual-redundant PSUs for superb reliability.

Housed in a road-ready, rugged rack-mountable chassis, the DL231 is ideally suited for transport and storage in standard flight cases (not included).

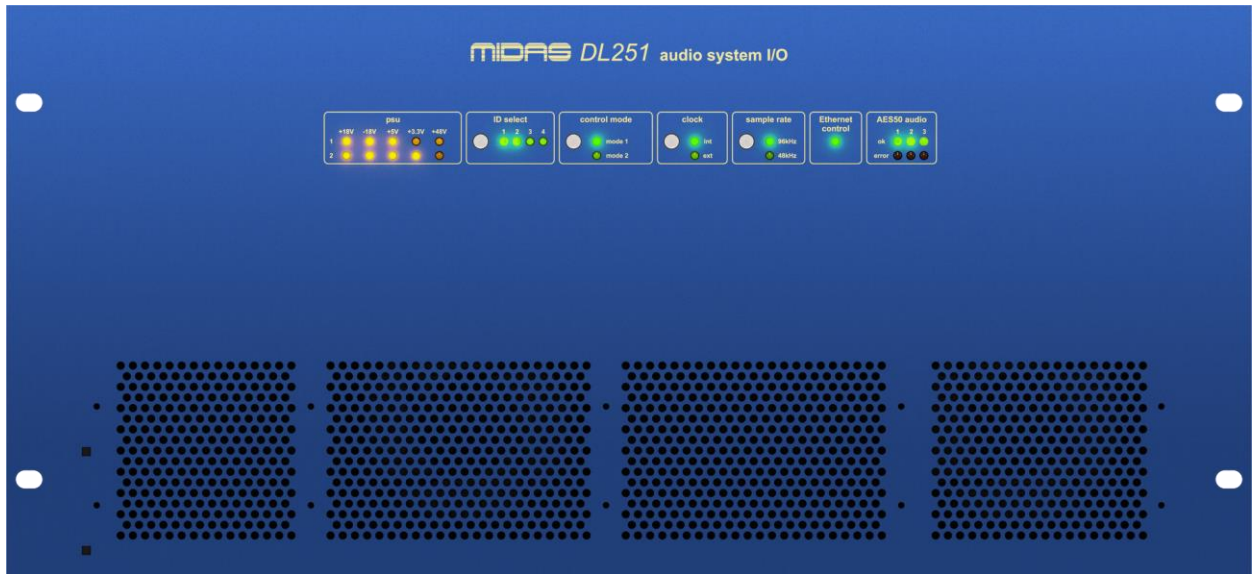
Integration Within the Midas Product Range

Styled to match our existing console aesthetic, and designed to work with all Midas digital consoles, high performance I/O has never been easier to use - or more cost effective.

MIDAS

DL251

48 Input, 16 Output Stage Box with 48 Midas Microphone Preamplifiers



PRO SERIES DL251

DL251 is a 5U 19" fixed-configuration rack I/O unit with 48 mic/line level inputs and 16 line level outputs and delivers legendary Midas sound quality utilising our time-tested and road-proven technologies.

Featuring award-winning Midas microphone preamplifiers with 2.5 dB analogue gain steps and three AES50 network ports providing N+1 redundancy, plus an Ethernet control port and a MIDI Interface (In, Out, Thru), the DL251 is the ideal partner to the Midas M Series and PRO Series digital consoles, enabling a digital snake connection from Front of House to stage.

Product Features

- 48 award-winning Midas microphone preamplifiers with switchable +48 V phantom power
- 16 actively balanced low impedance line level outputs
- Selectable 96 kHz or 48 kHz sample rate operation
- Remote operation up to 100 m via CAT5/5e cable
- All settings programmable from front panel controls or console
- PSU status indicator LEDs and configuration switches on front panel
- 3 AES50 network ports for redundant connections
- MIDI In, Out and Thru connectors
- Features Neutrik etherCON* AES50 network ports
- Rugged 5U rackmount chassis for durability in portable applications
- Dual redundant auto-ranging universal switch-mode power supplies

MIDAS



Dual Redundant Universal Switch-Mode Power Supplies

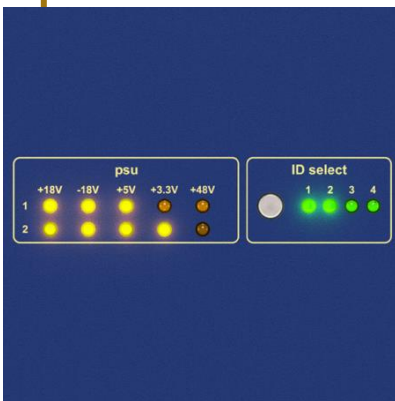
DL251 features dual-redundant power supplies, which are auto-voltage sensing for use on a worldwide basis and provide seamless switchover in the unlikely event of a loss of one power supply.



High Output Drive Line Outputs With Mute

DL251 features 16 active servo-balanced low impedance line level outputs with high output current capability for driving long cable runs.

A recessed 'Mute All Outputs' switch on the rear panel allows quiet and safe re-patching of cables, even during a show.



Remote Console Or Front Panel Control

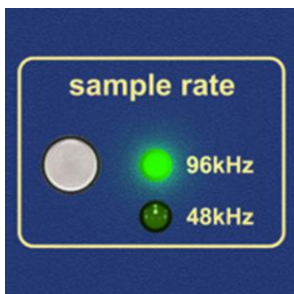
All configuration settings for DL251 can be set either remotely from the mixing console, or directly via the intuitive and easy to understand front panel. DL251 features front panel switches for all configuration options with LED status indicators, which provide highly visible feedback of operational status over wide viewing angles and distances.

Clear indication is provided of power supply output rail condition, AES50 and Ethernet network connection status and activity, choice of internal or external clock synchronisation, unit identification and communication mode setting.



Built For The Road

Featuring a rugged steel 5U rackmount enclosure, the DL251 is designed for the rigours of live concert touring. Premium Neutrik connectors are used to ensure reliable audio and network connections, night after night.



96 kHz Or 48 kHz Operation

DL251 supports multiple sample rates for the AES50 connections - 96 kHz for use with Midas Pro Series, and 48 kHz for use with Midas M32 Series.



HUB4

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Monitor System Hub with 4 PoE Ports for Personal Mixers or Compatible Stage Boxes, 48/44.1 kHz AES50 In and Through, StageConnect and 16 Channel Analogue Out



Personal Monitoring with DP48

Midas HUB4 is the multi-tool in your stage rack providing analogue and digital outputs for various applications. HUB4 can supply up to four DP48 personal monitor mixers with PoE (Power over Ethernet) and 48 channels of 24-bit / 48 kHz audio. HUB4 also collects 48 channels of upstream audio and forwards this audio to the FOH console, either from stage boxes connected to the AES50-B (THRU) Port or 8 return channels from each of Ports 1-4.



Product Features

- Personal monitoring system hub with PoE remote powering for up to 4 DP48 personal mixers and compatible stage boxes
- AES50 IN and THRU ports for cascading hubs or stage boxes with 48 bidirectional channels at 48/44.1 kHz
- 16 balanced analogue outputs for sending 4x2 personal stereo mixes to IEM transmitters in the side rack
- Channel naming and Group assignments can be distributed from compatible M32 consoles
- Midas DL8 Stage Boxes can be connected and powered from ports 1-4
- Personal mix outputs can be monitored via AES50 upstream to connected consoles
- Supports remote control forwarding of a DP48 personal mixer from another DP48
- Front panel buttons for sending signals to analogue output groups 1-4, for StageConnect and for AES50-A upstream
- StageConnect output with phantom power for connecting other StageConnect devices, sharing 32-channel audio, 24-Bit uncompressed PCM, 44.1/48 kHz, at sub-millisecond latency, over any standard XLR microphone or DMX cable
- Remote operation via shielded CAT5e cable up to 260 ft / 80 m length recommended
- Features Neutrik etherCON* AES50 network ports
- Rugged 1U chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply

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Cascading Hubs for Large Setups

To meet the challenges of large monitoring setups, HUB4 can easily be daisy-chained to make additional DP48 ports available, all the way up to symphonic orchestra applications.

On the other hand, HUB4 can also address situations where you want to connect additional I/O via the same AES50 link to the mixing console. To help build out this AES50 console link, digital stage boxes such as the Midas DL16 or DL32 can be connected to the HUB4's AES50-B (THRU) Port. The console can pass downstream signals to their respective stage outputs, while also receiving 48 channels upstream from the stage inputs via HUB4.

StageConnect - The Future of XLR

HUB4 also features a designated StageConnect port on the rear panel, anticipating the future of XLR connectivity.

- What if any standard XLR or DMX cable could be used to transmit more than one channel of audio?
- What if that cable could transmit signals not only one way, but bi-directionally?
- What if that cable would allow the passage of control data or even MIDI at the same time?
- What if a connected StageConnect device could receive up to 18 W of power through that same cable?



Well, these capabilities are exactly what StageConnect delivers - a new interface standard to be released by Music Tribe after two years of development. This new standard comes with outstanding technical specs: 32 channels of uncompressed PCM audio in various I/O configurations, 24-bit at 48 kHz, below 0.5 ms of latency.



Analogue Outputs for IEM Transmitters

HUB4 features 16 balanced line-level outputs that can carry the 8 stereo mixes from the connected DP48 mixers for connections in the side rack. So there is no need to run additional lines from personal mixers to the transmitters, reducing setup time and reliability considerably. Alternatively, these analogue outputs can also be used as spare outputs on stage receiving signals directly from the FOH consoles, e.g. for providing talkback or side fill outputs.

Remote Control Forwarding Through HUB4

HUB4 also facilitates one of the exceptional features of DP48 Personal Monitoring systems in which one DP48 unit can be designated as Master and used to control one or more DP48 units in Slave mode. HUB4 ensures that personal mixers are enumerated and that the Master, i.e., the DP48 connected to Port 1 of the first HUB4 in a daisy-chain, can control the respective Slaves. This way either a tech-savvy bandmate or the technician can help talents on stage with their personal monitor sound.



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DP48

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Dual 48 Channel Personal Monitor Mixer with SD Card Recorder, Stereo Ambience Microphone and Remote Powering



Product Features

- Dual 48 channel personal monitor mixer compatible with Midas personal monitoring system hubs
- 12 stereo groups enable rapid creation and balancing of personal mixes from fully configurable stem groups
- Dual mix feature allows independent control of two complete monitor mixes
- Integrated SD card interface for stereo recording and playback of rehearsal sessions and performances
- Built-in stereo ambience microphone provides on-stage sound feed to remove sense of isolation with in-ear monitors
- Studio-quality reverb adds spatial ambience to personal in-ear mixes, independent from main console
- Remotely powered via direct AES50 connection from Midas hubs featuring Power over Ethernet (PoE)
- Separate DC power supply allows daisy-chaining of DP48 personal monitor mixers and use without any PoE hub
- Compatible with any 44.1/48 kHz AES50-equipped devices including Midas and Behringer digital consoles and I/O boxes
- AES50 return channels allow personal mixes to be sent back to the console or hub for connection to wireless IEM transmitters
- Remote operation up to 100 m via screened CAT5/5e cable
- Remote setup and control of DP48 personal monitor mixer via Midas hubs
- Full remote control of another DP48 when both connected to the same hub or used in daisy chain configuration
- High-contrast 2.4" colour TFT display screen provides clear overview of mix parameters, meters and group assignments
- Analogue stereo auxiliary input for local click track
- High power headphone output for use in all stage monitoring environments
- Fully adjustable limiter allows for safe monitoring levels within sound exposure limits

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Personal Monitor Mixing Redefined

The Midas DP48 is a dual 48 channel personal monitor mixer that allows 2 performers to fully control their monitor mixes and hear exactly what they want and even record and playback rehearsals and performances.

With a simple and intuitive interface and the ability to connect to any AES50-equipped device, the DP48 can create a complete monitoring system perfect for use in the studio or on stage.



Dual Stereo Mixes

The dual mix feature even allows two users to be connected to one DP48 each with their own separate stereo group mix. There are three dedicated controls for each of the Mix A and B outputs, providing independent adjustments for the respective Output Volume, the selected Group Level and for the assignable My Group Level. Both Main Mixes feature separate EQ, Reverb Level and Limiter settings—especially useful when both talents are using different in-ear or over-ear headphones.



Control and Much More

Each group in the DP48 features its very own 3 band EQ, compressor and reverb which can be controlled with one knob. Just press a button and adjust the parameter using the SELECT/EDIT knob. The low, mid and high parameters increase or attenuate their respective frequencies for each group. The compressor setting controls a selected group's compression as well as Mix A or B's peak limiting threshold. Studio-quality Reverb can be added to a selected group or mix to add more spatial ambience to a personal monitor mix independent from the main console. The Pan button allows users to adjust the panorama of a selected group.



SD Recorder and Presets

The DP48 can also accept an SD card to be used for recording rehearsals or performances. Recorded mixes can be played back to Mix A or Mix B. Recording features a mix-minus function, deducting the respective My Group signals, for use as a backing track when practicing.

You can also store complete mixing presets to SD and load them back when using a different DP48 mixer.

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