Digital Mixers

M32C

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

- 40-input channel, 25-bus, 1U rack-mountable 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
- Open architecture allows for future 96 kHz operation
- 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
- 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
- 3-Year Warranty Program**
- Designed and engineered in England

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-CUE.

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.

**Warranty details can be found at music-group.com.

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Front Side Control

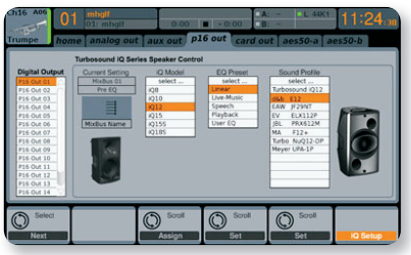
A simple set of front panel controls can be pre-configured by the engineer to enable a restricted amount of user interaction, while hiding away all the complexity. The rear panel expansion port allows inserting optional I/O cards to interface with existing networked audio infrastructure.

Built for Tomorrow

The M32C is built for today, and tomorrow – its future-proof 96 kHz capable open architecture design and industry-leading 192 kHz 24 bit ADC and DAC converters provide outstanding state-of-the-art audio performance.

"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.

Furthermore, iQ Series loudspeakers feature "True Physical Modelling" of some of the most popular speakers, which can be easily remote controlled via the M32C, allowing the sound engineer to apply different speaker models in real time from the comfort of the mixing desk.

"Acoustic Integration" is the next live sound revolution.

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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

Virtual Effects Racks

M32C includes an extensive array of onboard effects, rendering outboard processing racks a thing of the past. The Virtual FX rack features 8 true stereo, studio-grade effects engines each assignable to any input, group or output mix bus. Choose from high-end FX modules including a range of reverbs, delays, EQs, dynamics and much more.

Each FX algorithm has been completely re-imagined for stunning performance – typically costing several times the price of the M32C.

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 M32C mix engine, ensuring flawless performance, flexible routing and the end of cable faults forever!

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POWERPLAY P16

Easy as a handshake. Plug the P16-M personal monitor mixer into M32C's ULTRANET port with a shielded (STP) CAT5 cable, and let the performer dial in their ideal 16-channel personal monitor mix. You can daisy-chain additional P16-M units, or use the P16-D ULTRANET distributor to set up a plug and play monitor system that accommodates up to 48 individual P16-M units.

DL16

The MIDAS DL16 digital stage box closes the gap between stage and FOH (Front of House) by placing 16 fully-programmable, remotely controllable high-end MIDAS mic preamps and 8 analogue, balanced XLR returns at the stage end. Connecting over a single shielded (STP) CAT5 cable, up to three DL16 or MIDAS DL150 stage boxes can be daisy-chained to deliver 48 channels in and 24 out to the stage. Dual AES50 ports on the M32R allow up to 96 input channels to be connected and routed in the same system.

- AES50 network ports featuring KLARK TEKNIK SuperMAC technology for ultra-low latency (in-ear compatible)
- Up to 100 m networking capability via CAT5 cable (not included)
- Dual AES50 ports, each for cascading up to three DL16 units – no merger or router required
- Precise LED metering plus 7-segment displays for signal control on stage
- Phones output assignable to any of the inputs/outputs for on-stage monitoring
- Connectivity for P16-M Personal Monitoring System for in-ear applications (not included)
- Dual ADAT outputs for use in splitter mode and stand-alone digital multi-core applications
- MIDI in/out for bidirectional communication between FOH console and on-stage MIDI devices

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.

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Expansion & Networking

The M32C's expansion slot provides flexible and expandable connectivity for many different applications. A wide array of KLARK TEKNIK expansion cards can easily be used in place of the pre-installed DN32-USB card to release the power of M32C into existing MADI*, Dante* and ADAT networks. Fully compatible with these widely available audio protocols, the M32C delivers a seamless integration in digital live sound, recording and broadcast environments.

DN32-USB

The DN32-USB Expansion Card ensures a stable and fast solution for professional live and studio recordings. It provides 400 Mbit/second throughput to transfer your high-track count session to popular Software DAWs on Mac and PC via USB 2.0. Additionally, the DN32-USB turns your M32C into a sophisticated control surface, and includes remote HUI* and Mackie Control* emulation.

DN32-ADAT

The DN32-ADAT Expansion Card allows you to digitally integrate your M32C with any equipment featuring ADAT I/O. This includes stand-alone recorders, digital audio workstations, and other digital mixers and signal processing gear. The DN32-ADAT card provides 32-channels of ADAT inputs and outputs on its 8 fiber-optic Toslink* connectors. The card features 24-bit signal transmission and operates at both 44.1 and 48 kHz sample rates, maintaining your signal integrity. The DN32-ADAT card also has a BNC word-clock in/out capability allowing it to sync with an external clock, or provide the clock signal for other devices. External clock synchronization is possible through the BNC connection, as well as any of the 4 Toslink ports.

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DN32-MADI

The DN32-MADI Expansion Card brings even more I/O options to the M32C by instantly enabling it for MADI networking. The MADI or AES10 protocol is quickly becoming an industry standard in many broadcast applications. DN32-MADI provides optical duplex SC-plugs (IEC874-19) to connect with fiber-optic MADI devices, with multimode fiber-optic cable lengths of up to 2 km supported. Dual BNC terminals are also provided for transmission via standard 75-Ohm coaxial cable of up to 100 m in length. The BNC and fibre optic connectivity can also be used simultaneously, creating a reliable redundancy network with fiber-optic installations. DN32-MADI card is the perfect solution for integrating the M32C into current installations using the MADI protocol.

DN32-DANTE

By installing the DN32-DANTE card in place of the DN32-USB card, your M32C will interface with Dante networks using virtually any 100Mbit/s or Gigabit Network infrastructure with DSCP-based QoS – providing dependable multi-channel audio that coexist with other IP-based data traffic on the same network. The DN32-DANTE card utilizes 24-bit signal transmission with sample-accurate synchronization and low latency, ensuring the highest audio integrity. And a secondary input allows you to set up a seamless, redundant network. Full remote control of the M32C is possible using the integrated Ethernet switch. When the DN32-DANTE card is connected to a computer, Audinate's Dante Controller application gives you full control over configuration and signal routing among your Dante-enabled devices.

DAW Ready-MIDI Plus Mackie Control* & HUI* Protocols

Thanks to its onboard MIDI ports, the M32C console can function as a high-level, large-format control surface, similar to Mackie Control and HUI, and integrates seamlessly with most popular DAW platforms. M32C's motorised faders can be used to send position information to the onscreen DAW faders, while each bus' mute and solo buttons control their onscreen counterparts. This powerful control surface relationship, which functions bidirectionally between the M32C and your DAW, allows you to work more quickly and attend to the finer nuances of the overall mix. After all, mixing with your hands puts you in "touch" with your project, providing a level of finesse that can mean the difference between a good recording session-and a work of art! Or, would you rather use a mouse?

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Wireless Remote Control

Just as in life, you can never have too many connections and this applies to controlling the console itself. Simply connect the M32C to a laptop or desktop PC and Mac via LAN, wireless network or Ethernet cable. The M32 EDITOR gives you command of the M32C remotely via computer. Move a fader on the PC, it moves on the M32C; press a button on the computer, the button toggles on the M32C. You'll find this feature extremely helpful for stage of side monitor control, individual control of multiple installed M32Cs, as well as multiple remote control stations of the same M32C. The M32 EDITOR also lets you create scenes on your PC beforehand to minimise the time required for sound checks.

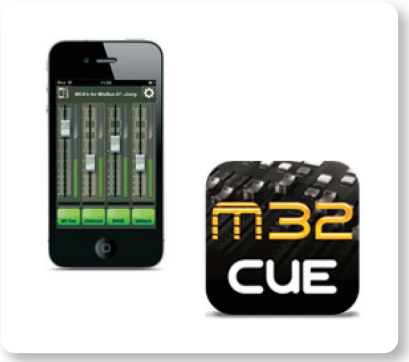
With the M32 EDITOR software for PC and Mac, your computer becomes your virtual M32C.

M32 MIX (iPad)

Front of House is wherever you and your iPad are – thanks to the new M32 MIX App for iPad. Just plug in a wireless router via Ethernet cable to the M32C, and then wirelessly connect up to 10 iPad devices, which is especially handy for custom monitor mixes.

The M32 MIX App lets you control all 32 mic inputs, 8 Aux inputs and 16 buses – plus the FX stereo returns and the Matrix, Main, and DCA levels. Select a fader bank on the iPad, slide the virtual faders and M32C's motorised faders instantly mirror your action. Additionally, thanks to the Sends on Faders functionality, your iPad now controls 16 independent monitor mixes. The M32 MIX App gives you the flexibility and mobility to make running sound a breeze!

Download the free M32C MIX App from the Apple App Store.



M32 CUE (iPhone and iPod touch)

M32 CUE is the perfect tool for setting up your personal monitoring mix with the MIDAS M32C Digital Mixing Console. Compatible with iPhone models and iPod touch devices, each artist can run their own M32 CUE App to adjust and tweak their personal wedge's mix. M32 CUE includes an assignable MCA (Mix Control Association) feature that makes monitor mixing simple enough to be adjusted during performance. Assign any input or combination of inputs to one of the 4 MCA controls inside M32 CUE and instantly get "more me", "less band", "more click track"… with a single sweep of your finger.

Download the free M32C CUE App from the Apple App Store.

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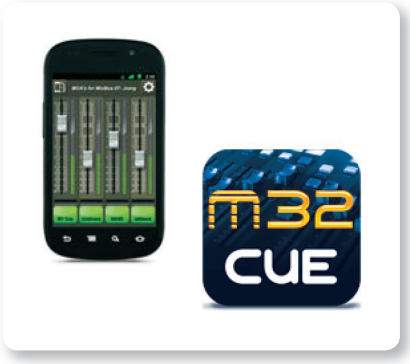
M32 CUE (Android)

M32 CUE is also available for Android devices, allowing you to set up your personal monitoring mix with the MIDAS M32C Digital Mixing Console. Compatible with Android (2.2 or higher) mobile devices, each artist can run their own M32 CUE Android app to adjust and tweak their personal IEM or wedge monitor mix with an interface similar to the iPhone app. The app includes an assignable MCA (Mix Control Association) feature for monitor mixing simple enough to be adjusted during performance. Assign any input or combination of inputs to one of the 4 MCA controls inside M32 CUE Android and instantly get "more me," "less band," "more click track…" with a single sweep of your finger.



You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own MUSIC Group factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous 3-Year Warranty program.

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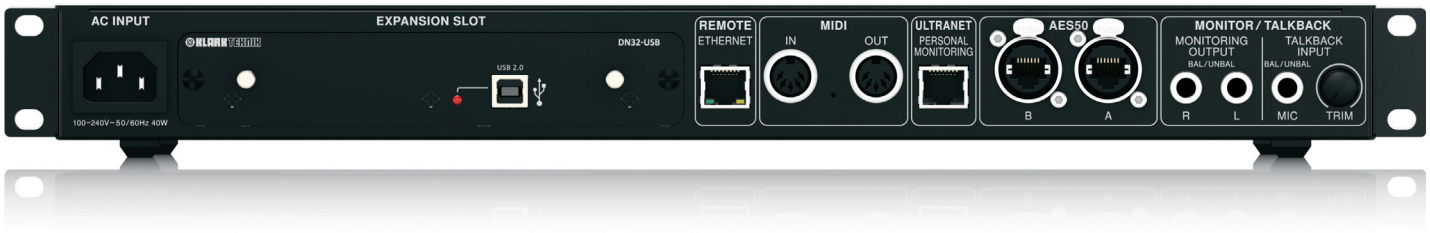

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3 Year Warranty

For service, support or more information contact the MIDAS location nearest you:

Europe
MUSIC Group Services UK
Tel: +44 156 273 2290
Email: CARE@music-group.com

USA/Canada
MUSIC Group Services NV Inc.
Tel: +1 702 800 8290
Email: CARE@music-group.com

Japan
MUSIC Group Services JP K.K.
Tel.: +81 3 6231 0454
Email: CARE@music-group.com