Digital Mixers

PRO SERIES
PRO X-CC-TP

Live Digital Console Control Centre with 168 Input Channels, 99 Mix Buses, 96 kHz Sample Rate and Touring Grade Road Case



- Live performance digital console control centre with up to 168 simultaneous inputs
- 99 time-aligned and phase-coherent mix buses
- HyperMAC and AES50 networking allows up to 288 inputs and 294 outputs @ 96 kHz Sample Rate
- Touring grade road case featuring marine grade plywood, aluminium extrusions and composite density protective foam
- HyperMAC router with 192 bidirectional channels over copper and optical fibre
- Provides dual redundant snake connection to the NEUTRON Audio System Engine
- Snake connections up to 500 m with optical fibre or 100 m with CAT5/5e cable
- 10 VCA (variable control association) and 8 POPulation groups
- 36 assignable 1/3 octave KLARK TEKNIK DN370 graphic equalisers
- Up to 40 simultaneous multi-channel digital signal processing effects algorithms
- 29 MIDAS PRO motorised 100 mm faders
- 2 daylight viewable 15" full colour TFT display screens
- Fully interpolated touch sensitive controls
- Optional wireless remote control with MIDAS MIXTENDER App for iPad*



The PRO Series family moves up a gear with the PRO X control centre and the industry-changing NEUTRON Audio System Engine. Featuring 168 simultaneous input channels and 99 time-aligned and phase-coherent buses, the PRO X is a truly impressive digital control surface for the engineer whose very livelihood depends on both unparalleled functionality and reliability.

True and consistent 96 kHz sampling frequency and 40 bit floating point processing provide exemplary audio processing and the oversampled digital signal processing algorithms, combined with the fully interpolated and touch sensitive user controls result in the smooth, continuous response and immediacy reminiscent to working on an analogue console. Parameter adjustment becomes fast and easy, and the continuous phase shift of a swept frequency control is heard without the quantisation effects exhibited by competing digital consoles.

Digital Mixers

PRO SERIES
PRO X-CC-TP

Live Digital Console Control Centre with
168 Input Channels, 99 Mix Buses,
96 kHz Sample Rate and Touring Grade
Road Case

- Three bay auto-ranging universal switch-mode power supply with N+1 redundancy
- 3-Year Warranty Program**
- Designed and engineered in England

HyperMAC and SuperMAC Digital Audio Interconnections

HyperMAC and SuperMAC (AES50-Compliant) from KLARK TEKNIK simultaneously provide high channel counts, ultra low deterministic latencies, accurate phase-aligned networked clock distribution, error detection, network redundancy and ease of deployment and use – to meet the needs of the live performance concert sound industry.

This unique combination is also ideal for managing applications such as studio recording and post-production, outside broadcast and audio routing infrastructure.

- Single cable duplex interconnection for audio and sample clocks
- Ethernet physical layer audio data transmission
- High channel count and ultra-low deterministic latency
- 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
- OEM modules available from developer partners
- SuperMAC offers:
  - 24 bidirectional audio channels over Cat 5/Cat 5e cable (96 kHz)
- HyperMAC offers:
  - 192 bidirectional audio channels over Cat 5e/Cat 6 cable, or
  - 50/125 µm multimode optical fibre (96 kHz)

*iPad is a trademark of Apple Inc. All third-party trademarks are the property of their respective owners. Their use neither constitutes a claim of the trademark nor affiliation of the trademark owners with MUSIC Group. Product names are mentioned solely as a reference for compatibility, effects and/or components.

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

Digital Mixers

PRO SERIES
PRO X-CC-TP

Live Digital Console Control Centre with
168 Input Channels, 99 Mix Buses,
96 kHz Sample Rate and Touring Grade
Road Case



Total Redundancy

The PRO X has three removable power supplies, only two of which are required for full operation. The power supplies, which are interchangeable with the PSUs in the NEUTRON Engine, are auto-voltage sensing and auto-switchover. The PRO X also has dual redundant Master Controllers - the console will continue to pass full audio should there ever be a failure with one.

Finally, all I/O on the network can be connected with a redundant Cat5e cable. The network will automatically switch over should any of the main connections suffer damage and disconnect. No other console goes further at setting your mind at ease. This means that during a show the user can focus on what is most important – and treat the audience to a flawless sonic experience.

Stage Connectivity

All audio network connections between the PRO X and PRO Series I/O feature Neutrik etherCON* connectors. These ruggedised connections ensure perfect data transfer everytime. The PRO X also has dual-redundant HyperMAC ports (both Cat 5e and Optical), which provide the digital equivalent of a 384-way (192 in / 192 out) multi-core between the stage and FOH, up to 500 m. All Pro Series I/O can be configured with a redundant Cat5e cable. The network will automatically switch over to use the redundant cable should any of the main connections disconnect.





Automatic Time Alignment

Just like all PRO Series systems, the PRO X provides comprehensive, automatic latency management of all internal routing and processing. The unit also includes compensation for external analogue inserts. All audio samples are synchronised before summing, resulting in absolute phase coherence at the outputs without the "comb filtering" effects of competing products that often result in specific frequencies being cancelled out completely.

Digital Mixers

PRO SERIES
PRO X-CC-TP

Live Digital Console Control Centre with
168 Input Channels, 99 Mix Buses,
96 kHz Sample Rate and Touring Grade
Road Case



Stunning FX Processing

The PRO X can simultaneously process up to 24 internal multichannel FX. NEUTRON's 40 bit floating-point architecture can process a wide choice of virtual FX devices, including dual-mono delay units, stereo modulation and many diverse reverb FX, multiband compression, dynamic EQ and multichannel dual-function dynamics processing. Up to 36 1/3 octave KLARK TEKNIK DN370 Graphic Equalisers (GEQs) are provided, which can be patched into any output.

Daylight Viewable Screens

While some consoles claim daylight visibility, they can easily become diffi cult or even impossible to operate in high ambient lighting. PRO X's visual support is engineered to remain exceptional. Tested in the sweltering glare of the Nevada desert, our daylight viewable screens are peerless when it comes to providing visual, as well as audio clarity.





The MIDAS PRO Fader

To develop the world's most reliable motor fader, we dove deep into materials science, employing semi-precious metals that offered the long-term durability we all love – and the results speak for themselves. Our PRO Series motorised faders are rated for up to 1,000,000 cycles – three times that of other leading manufacturers and provide high linearity, robustness and smooth feel during operation.

Digital Mixers

PRO SERIES
PRO X-CC-TP

Live Digital Console Control Centre with
168 Input Channels, 99 Mix Buses,
96 kHz Sample Rate and Touring Grade
Road Case

Wireless Remote Control

Delivering an unprecedented range of control and mobility, the MIXTENDER 2 App has been completely re-imagined with input from you, the very engineers who know our mixers best. By combining control of most key functions with remarkably responsive system metering, engineers can take control of the PRO X or any PRO Series console using an iPad*. Support for multiple simultaneous iPad* devices allows the FOH and monitor engineers to work collaboratively – from any location within the venue. Multiple iPads* can also be used by Artists to control their own monitor mix via the console's intuitive MCA feature.





Free-Routing System

PRO X has up to 288 inputs x 294 outputs, with point-to-point routing anywhere within the network. These can be patched and routed on a scene-by-scene basis via the powerful snapshot automation system.

Powerful, fully expandable and capable of processing up to 800 audio paths, the PRO X CC-IP and NEUTRON Audio System Engine are not only state-of-the-industry – they are light-years ahead of the competition.

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.



Digital Mixers

PRO SERIES
PRO X-CC-TP

Live Digital Console Control Centre with
168 Input Channels, 99 Mix Buses,
96 kHz Sample Rate and Touring Grade
Road Case





Digital Mixers

PRO SERIES
PRO X-CC-TP

Live Digital Console Control Centre with
168 Input Channels, 99 Mix Buses,
96 kHz Sample Rate and Touring Grade
Road Case



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

MUSIC Group accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances and other information are subject to change without notice. All trademarks are the property of their respective owners. MIDAS, KLARK TEKNIK, TURBOSOUND, BEHRINGER, BUGERA and DDA are trademarks or registered trademarks of MUSIC Group IP Ltd. © MUSIC Group IP Ltd. 2015 All rights reserved.