



# DIGITAL SNAKE DL32

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

## Quick Start Guide



# EN Specifications

Processing	
A/D-D/A conversion (Cirrus Logic A/D CS5368, D/A CS4398)	24-bit @ 44.1 / 48 kHz, 114 dB dynamic range (A-weighted)
Networked I/O latency (stagebox in > console processing* > stagebox out)	1.1 ms
Connectors	
Programmable MIDAS mic preamps, balanced XLR	32
Line outputs, balanced XLR	16
AES/EBU outputs (AES3 XLR)	2
AES50 ports, SuperMAC networking, NEUTRIK etherCON	2
ULTRANET output, RJ45 (no power supplied)	1
MIDI inputs / outputs	1/1
ADAT outputs, Toslink	2
USB port for system updates, type B	1
Mic Input Characteristics (MIDAS PRO)	
Input impedance, XLR	10 kΩ
Non clip maximum input level, XLR	+23.5 dBu
THD + noise, unity gain, 0 dBu out	< 0.01%, unweighted
THD + noise, +45 dB gain, 0 dBu out	< 0.03%, unweighted
Phantom power, switchable per input	48 V
Equivalent input noise @ +45 dB gain, (150 Ω source)	< -126 dBu, 22 Hz - 22 kHz, unweighted
CMRR @ 1 kHz, unity gain (typical)	> 70 dB
CMRR @ 1 kHz, +45 dB gain (typical)	> 90 dB
Input/Output Characteristics	
Frequency response @ 48 kHz sample rate, at any gain	20 Hz - 20 kHz, 0 dB to -1 dB
Dynamic range, analogue mic in to analogue out	107 dB, 22 Hz - 22 kHz, unweighted
A/D dynamic range, mic preamp to converter	109 dB, 22 Hz - 22 kHz, unweighted
D/A dynamic range, converter and output	110 dB, 22 Hz - 22 kHz, unweighted
Crosstalk rejection @ 1 kHz, adjacent channels	100 dB
Output Characteristics	
Output impedance, XLR	50 Ω
Maximum output level, XLR	+21 dBu
Residual noise level, unity gain, XLR	< -86 dBu, 22 Hz - 22 kHz, unweighted
Residual noise level, muted, XLR	< -100 dBu, 22 Hz - 22 kHz, unweighted
Digital In/Out	
AES50 SuperMAC networking @ 48 or 44.1 kHz, 24-bit PCM	2 x 48 channels, bidirectional
AES50 SuperMAC cable length, CAT5e shielded**	up to 100 m
ULTRANET networking @ 48 or 44.1 kHz, 22-bit PCM	1 x 16 channels, unidirectional
ULTRANET cable length, CAT5 shielded	up to 75 m
ADAT output @ 48 or 44.1 kHz, 24-bit PCM	2 x 8 channels, unidirectional
Toslink optical, cable length	5 m, typical
AES/EBU output @ 48 or 44.1 kHz, 24-bit PCM	2 x 2 channels, unidirectional
XLR, 110 Ω balanced, cable length	5 m, typical
Power	
Switch-mode autorange power supply	100-240 V (50/60 Hz)
Power consumption	55 W
Physical	
Standard operating temperature	5°C to 40°C (41°F to 104°F)
Dimensions	483 x 242 x 138 mm (19 x 9.5 x 5.4")
Weight	5.7 kg (12.5 lbs)

\*incl. all channel and bus processing, excl. insert effects and line delays

\*\*KLARK TEKNIK NCAT5E-50M recommended

NOTE: Please verify that your specific AES50 connections provide stable operation prior to using the products in a live performance or recording situation. The maximum distance for AES50 CAT5 connections is 100 m / 330 ft. Please consider using shorter connections where possible for gaining safety margin. Combining 2 or more cables with extension connectors can reduce the reliability and maximum distance between AES50 products. Unshielded (UTP) cable may work well for many applications, but entails an additional risk for ESD issues. We guarantee, that all our products will perform as specified with 50 m of KLARK TEKNIK NCAT5E-50M, and we recommend using cable of similar quality, only. KLARK TEKNIK also offers the very cost-effective DN9610 AES50 Repeater or DN9620 AES50 Extender for situations where extremely long cable runs are required.

# Other important information

## EN Important information

**1. Register online.** Please register your new MUSIC Group equipment right after you purchase it by visiting [midasconsoles.com](http://midasconsoles.com). Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.

**2. Malfunction.** Should your MUSIC Group Authorized Reseller not be located in your vicinity, you may contact the MUSIC Group Authorized Fulfiller for your country listed under "Support" at [midasconsoles.com](http://midasconsoles.com). Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at [midasconsoles.com](http://midasconsoles.com). Alternatively, please submit an online warranty claim at [midasconsoles.com](http://midasconsoles.com) BEFORE returning the product.

**3. Power Connections.** Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.

## FR Informations importantes

**1. Enregistrez-vous en ligne.** Prenez le temps d'enregistrer votre produit MUSIC Group aussi vite que possible sur le site Internet [midasconsoles.com](http://midasconsoles.com). Le fait d'enregistrer le produit en ligne nous permet de gérer les réparations plus rapidement et plus efficacement. Prenez également le temps de lire les termes et conditions de notre garantie.

**2. Dysfonctionnement.** Si vous n'avez pas de revendeur MUSIC Group près de chez vous, contactez le distributeur MUSIC Group de votre pays : consultez la liste des distributeurs de votre pays dans la page "Support" de notre site Internet [midasconsoles.com](http://midasconsoles.com). Si votre pays n'est pas dans la liste, essayez de résoudre votre problème avec notre "aide en ligne" que vous trouverez également dans la section "Support" du site [midasconsoles.com](http://midasconsoles.com). Vous pouvez également nous faire parvenir directement votre demande de réparation sous garantie par Internet sur le site [midasconsoles.com](http://midasconsoles.com) AVANT de nous renvoyer le produit.

**3. Raccordement au secteur.** Avant de relier cet équipement au secteur, assurez-vous que la tension secteur de votre région soit compatible avec l'appareil. Veillez à remplacer les fusibles uniquement par des modèles exactement de même taille et de même valeur électrique — sans aucune exception.

## ES Aspectos importantes

**1. Registro online.** Le recomendamos que registre su nuevo aparato MUSIC Group justo después de su compra accediendo a la página web [midasconsoles.com](http://midasconsoles.com). El registro de su compra a través de nuestro sencillo sistema online nos ayudará a resolver cualquier incidencia que se presente a la mayor brevedad posible. Además, aproveche para leer los términos y condiciones de nuestra garantía, si es aplicable en su caso.

**2. Averías.** En el caso de que no exista un distribuidor MUSIC Group en las inmediaciones, puede ponerse en contacto con el distribuidor MUSIC Group de su país, que encontrará dentro del apartado "Support" de nuestra página web [midasconsoles.com](http://midasconsoles.com). En caso de que su país no aparezca en ese listado, acceda a la sección "Online Support" (que también encontrará dentro del apartado "Support" de nuestra página web) y compruebe si su problema aparece descrito y solucionado allí. De forma alternativa, envíenos a través de la página web una solicitud online de soporte en período de garantía ANTES de devolvernos el aparato.

**3. Conexiones de corriente.** Antes de enchufar este aparato a una salida de corriente, asegúrese de que dicha salida sea del voltaje adecuado para su modelo concreto. En caso de que deba sustituir un fusible quemado, deberá hacerlo por otro de idénticas especificaciones, sin excepción.

## PT Outras Informações Importantes

**1. Registre-se online.** Por favor, registre seu novo equipamento MUSIC Group logo após a compra visitando o site [midasconsoles.com](http://midasconsoles.com). Registrar sua compra usando nosso simples formulário online nos ajuda a processar seus pedidos de reparos com maior rapidez e eficiência. Além disso, leia nossos termos e condições de garantia, caso seja necessário.

**2. Funcionamento Defeituoso.** Caso seu fornecedor MUSIC Group não esteja localizado nas proximidades, você pode contatar um distribuidor MUSIC Group para o seu país listado abaixo de "Suporte" em [midasconsoles.com](http://midasconsoles.com). Se seu país não estiver na lista, favor checar se seu problema pode ser resolvido com o nosso "Suporte Online" que também pode ser achado abaixo de "Suporte" em [midasconsoles.com](http://midasconsoles.com). Alternativamente, favor enviar uma solicitação de garantia online em [midasconsoles.com](http://midasconsoles.com) ANTES da devolução do produto.

**3. Ligações.** Antes de ligar a unidade à tomada, assegure-se de que está a utilizar a voltagem correcta para o modelo em questão. Os fusíveis com defeito terão de ser substituídos, sem qualquer excepção, por fusíveis do mesmo tipo e corrente nominal.

## DE Weitere wichtige Informationen

**1. Online registrieren.** Bitte registrieren Sie Ihr neues MUSIC Group-Gerät direkt nach dem Kauf auf der Website [midasconsoles.com](http://midasconsoles.com). Wenn Sie Ihren Kauf mit unserem einfachen online Formular registrieren, können wir Ihre Reparaturansprüche schneller und effizienter bearbeiten. Lesen Sie bitte auch unsere Garantiebedingungen, falls zutreffend.

**2. Funktionsfehler.** Sollte sich kein MUSIC Group Händler in Ihrer Nähe befinden, können Sie den MUSIC Group Vertrieb Ihres Landes kontaktieren, der auf [midasconsoles.com](http://midasconsoles.com) unter „Support“ aufgeführt ist. Sollte Ihr Land nicht aufgelistet sein, prüfen Sie bitte, ob Ihr Problem von unserem „Online Support“ gelöst werden kann, den Sie ebenfalls auf [midasconsoles.com](http://midasconsoles.com) unter „Support“ finden. Alternativ reichen Sie bitte Ihren Garantieanspruch online auf [midasconsoles.com](http://midasconsoles.com) ein, BEVOR Sie das Produkt zurücksenden.

**3. Stromanschluss.** Bevor Sie das Gerät an eine Netzsteckdose anschließen, prüfen Sie bitte, ob Sie die korrekte Netzspannung für Ihr spezielles Modell verwenden. Fehlerhafte Sicherungen müssen ausnahmslos durch Sicherungen des gleichen Typs und Nennwerts ersetzt werden.