

DM80-DANTE

Dante Expansion Module with 16 x 32 Channels, Additional ULTRANET Audio Networking and Ethernet Connectivity

EN Important Safety Instructions

LEGAL DISCLAIMER

Music Tribe 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, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Auratone and Coolaudio are trademarks or registered trademarks of Music Tribe Global Brands Ltd.
© Music Tribe Global Brands Ltd. 2019 All rights reserved.

LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at musictribe.com/warranty.

ES Instrucciones de seguridad

NEGACIÓN LEGAL

Music Tribe no admite ningún tipo de responsabilidad por cualquier daño o pérdida que pudiera sufrir cualquier persona por confiar total o parcialmente en la descripciones, fotografías o afirmaciones contenidas en este documento. Las especificaciones técnicas, imágenes y otras informaciones contenidas en este documento están sujetas a modificaciones sin previo aviso. Todas las marcas comerciales que aparecen aquí son propiedad de sus respectivos dueños. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Auratone y Coolaudio son marcas comerciales o marcas registradas de Music Tribe Global Brands Ltd.
© Music Tribe Global Brands Ltd. 2019 Reservados todos los derechos.

GARANTÍA LIMITADA

Si quiere conocer los detalles y condiciones aplicables de la garantía así como información adicional sobre la Garantía limitada de Music Tribe, consulte online toda la información en la web musictribe.com/warranty.

FR Consignes de sécurité

DÉNI LÉGAL

Music Tribe ne peut être tenu pour responsable pour toute perte pouvant être subie par toute personne se fiant en partie ou en totalité à toute description, photographie ou affirmation contenue dans ce document. Les caractéristiques, l'apparence et d'autres informations peuvent faire l'objet de modifications sans notification. Toutes les marques appartiennent à leurs propriétaires respectifs. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Auratone et Coolaudio sont des marques ou marques déposées de Music Tribe Global Brands Ltd.
© Music Tribe Global Brands Ltd. 2019 Tous droits réservés.

GARANTIE LIMITÉE

Pour connaître les termes et conditions de garantie applicables, ainsi que les informations supplémentaires et détaillées sur la Garantie Limitée de Music Tribe, consultez le site Internet musictribe.com/warranty.

DE Wichtige Sicherheitshinweise

HAFTUNGSAUSSCHLUSS

Music Tribe übernimmt keine Haftung für Verluste, die Personen entstanden sind, die sich ganz oder teilweise auf hier enthaltene Beschreibungen, Fotos oder Aussagen verlassen haben. Technische Daten, Erscheinungsbild und andere Informationen können ohne vorherige Ankündigung geändert werden. Alle Warenzeichen sind Eigentum der jeweiligen Inhaber. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Auratone und Coolaudio sind Warenzeichen oder eingetragene Warenzeichen der Music Tribe Global Brands Ltd.
© Music Tribe Global Brands Ltd. 2019 Alle Rechte vorbehalten.

BESCHRÄNKTE GARANTIE

Die geltenden Garantiebedingungen und zusätzliche Informationen bezüglich der von Music Tribe gewährten beschränkten Garantie finden Sie online unter musictribe.com/warranty.

PT **Instruções de Segurança Importantes**

LEGAL RENUNCIANTE

O Music Tribe não se responsabiliza por perda alguma que possa ser sofrida por qualquer pessoa que dependa, seja de maneira completa ou parcial, de qualquer descrição, fotografia, ou declaração aqui contidas. Dados técnicos, aparências e outras informações estão sujeitas a modificações sem aviso prévio. Todas as marcas são propriedade de seus respectivos donos. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Auratone e Coolaudio são marcas ou marcas registradas do Music Tribe Global Brands Ltd. © Music Tribe Global Brands Ltd. 2019 Todos direitos reservados.

PT

GARANTIA LIMITADA

Para obter os termos de garantia aplicáveis e condições e informações adicionais a respeito da garantia limitada do Music Tribe, favor verificar detalhes na íntegra através do website musictribe.com/warranty.

EN

Warning

Failure to observe the following warnings may lead to fatality or serious injury from fire or electric shock.

Before installing the card, you must refer to the owner's manual of the host device or to klarkteknik.com to verify that your host device supports this card, and to verify the number of cards that can be installed in combination with other MIDAS or third-party cards.

- Do not attempt to disassemble or modify the card. Do not apply excessive force to board connectors or other board components. Mishandling of board may lead to shock, fire hazard, or equipment failure.
- Disconnect the power cable from the main unit before installing this card to eliminate shock hazard.

Caution

Failure to observe the following precautions may lead to personal injury, or may result in damage to equipment or other property.

- Do not touch the board's metallic leads (pins) when handling the card. Pins are sharp and may cause injury.
- **The card is electrostatic-sensitive. Before handling the card, you should briefly touch the main unit's metal casing with your bare hand so as to drain off any static charge from your body**. MUSIC Group assumes no responsibility for data loss, equipment damage, or injury caused by inappropriate handling or usage.

EN

1. Introduction

The DM80-DANTE card is a multichannel audio interface expansion card for the Klark Teknik DM8000 Digital Audio Processor that allows DM8000 to connect to external devices that use Dante, a high-performance digital media protocol designed to deliver audio over a standard Ethernet IP network. This Dante connection shares 16 x 16 channels of audio with any network of Dante-enabled devices via single or redundant Ethernet connection. Using existing network infrastructure at 100 Mbit/s or 1 Gbit/s, the Dante protocol offers very stable, low-latency transmission for a variety of professional applications unifying multi-channel audio distribution across multiple locations or device families.

2. Installation

Before you install the DM80-DANTE card in the network module slot of the DM8000 Digital Audio Processor, you must check klarkteknik.com to verify that the unit's host firmware supports this card.

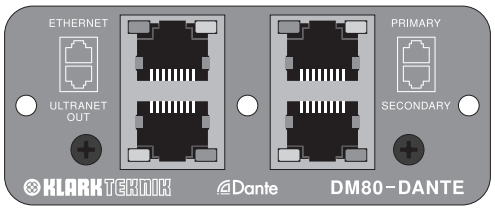
We recommend that you periodically check your unit's product page for firmware updates.

CAUTION: before installing the DM80-DANTE into the DM8000 Digital Audio Processor, you must make sure that the main unit's power switch is turned off. Malfunctions or electrical shock may occur otherwise.

To install an interface I/O card:

DM8000

1. Make sure that the host unit's power is turned off.
2. Loosen the screws fastening the expansion slot cover, and then remove the expansion slot cover from the main chassis. Keep the cover and the screws in a safe place.
3. Before removing the DM80-DANTE card from its protective bag, we recommend touching the grounded metal chassis of the host unit to prevent electrostatic discharge from affecting the sensitive electronic components on the expansion card. We recommend that you hold the card either by the face plate or by the two small handles, but never touching the components on the circuit board directly.
4. Identify the expansion card connectors (two male 40 pin vertical connectors). Align the DM80-DANTE female connectors with the DM8000 connectors and apply vertical pressure being very careful not to bend the pins. Push the card all the way into the slot to ensure that the contacts of the card are correctly inserted.
5. Fasten the card using the included screws (2 in the faceplate and 2 to the rear of the PCB). Be aware that damage or malfunctions may occur if the card is not fastened.
6. Replace the chassis cover and replace all screw before the unit is powered on.



DM80-DANTE Connector Plate

EN

Specifications

Connectors	
Dante (primary and secondary)	2 x RJ45
ULTRANET	1 x RJ45
Ethernet (configuration and control)	1 x RJ45
Dante Input/Output Characteristics	
Number of channels	16 input / 16 output
Sample rate	48 kHz
Resolution	24-bit
DM8000 internal latency	< 0.9 ms
DM8000 Dante latency	0.25 ms, 0.5 ms, 1.0 ms, or 5.0 ms (set by Dante controller)
Clock synchronization	Incoming Dante clock or DM8000 internal clock
ULTRANET Digital Network	
Number of channels	16 input / 16 output
Sample rates	48 kHz
Resolution	24-bit
Latency	< 0.9 ms
Cable	Shielded CAT-5
Cable length	up to 75 m / 250 ft.

Other important information

EN ES FR

EN Important information

1. Register online. Please register your new Music Tribe equipment right after you purchase it by visiting klarkteknik.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 Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under "Support" at klarkteknik.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 klarkteknik.com. Alternatively, please submit an online warranty claim at klarkteknik.com BEFORE returning the product.

ES Aspectos importantes

1. Registro online. Le recomendamos que registre su nuevo aparato Music Tribe justo después de su compra accediendo a la página web klarkteknik.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 Tribe en las inmediaciones, puede ponerse en contacto con el distribuidor Music Tribe de su país, que encontrará dentro del apartado "Support" de nuestra página web klarkteknik.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 periodo de garantía ANTES de devolvernos el aparato.

FR Informations importantes

1. Enregistrez-vous en ligne. Prenez le temps d'enregistrer votre produit Music Tribe aussi vite que possible sur le site Internet klarkteknik.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 Tribe près de chez vous, contactez le distributeur Music Tribe de votre pays : consultez la liste des distributeurs de votre pays dans la page "Support" de notre site Internet klarkteknik.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 klarkteknik.com. Vous pouvez également nous faire parvenir directement votre demande de réparation sous garantie par Internet sur le site klarkteknik.com AVANT de nous renvoyer le produit.

Other important information

DE Weitere wichtige Informationen

1. Online registrieren.
Bitte registrieren Sie Ihr neues Music Tribe-Gerät direkt nach dem Kauf auf der Website klarkteknik.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 Tribe Händler in Ihrer Nähe befinden, können Sie den Music Tribe Vertrieb Ihres Landes kontaktieren, der auf klarkteknik.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 klarkteknik.com unter „Support" finden. Alternativ reichen Sie bitte Ihren Garantieanspruch online auf klarkteknik.com ein, BEVOR Sie das Produkt zurücksenden.

PT Outras Informações Importantes

1. Registre-se online.
Por favor, registre seu novo equipamento Music Tribe logo após a compra visitando o site klarkteknik.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 Tribe não esteja localizado nas proximidades, você pode contatar um distribuidor Music Tribe para o seu país listado abaixo de "Suporte" em klarkteknik.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 klarkteknik.com. Alternativamente, favor enviar uma solicitação de garantia online em klarkteknik.com ANTES da devolução do produto.

EN

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Klark Teknik
DM80-DANTE

Responsible Party Name:	**Music Tribe Commercial NV Inc.**
Address:	**5270 Procyon Street** **Las Vegas, NV 89118** **USA**
Phone Number:	**+1 702 800 8290**

DM80-DANTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

CE

This product conforms with essential requirements of the EMC Directive 2014/30/EU, the LV Directive 2014/35/EU, RoHS Directive 2011/65/EU and WEEE Directive - 2012/19/EU. Warning: Operation of this equipment in a residential environment could cause radio interference.