

Quick Start Guide



HD96-AIR/HD96-AIR-CC-TP/HD96-AIR-CC-IP

Live Digital Console with 144 Input Channels, 123 Mix Buses,
96 kHz Sample Rate and 21" Glare Resistant Touch Screen

EN

ES

DE

FR

IT

NL

PL

PT

SV

JP

CN

EN

ES

EN Safety Instructions

Please read these safety instructions carefully and pay close attention to any warning symbols displayed on the product and their related safety information in this instruction.



 Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock. Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation or modification should be performed only by qualified personnel.

 This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure voltage that may be sufficient to constitute a risk of shock.

 This symbol, wherever it appears, alerts you to important operating and maintenance instructions. Please read full manual.

 **Caution**
To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel.

 **Caution**
To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.

 **Caution**
These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

 **Warning**
Please refer to the information on the exterior of bottom enclosure for electrical and safety information before installing or operating the device.

 **Warning**
To prevent possible hearing damage, do not listen at high volume levels for long periods. As a guide to setting the volume level, check that you can still hear your own voice, when speaking normally while listening with the headphones.

1. Read and keep these instructions. Heed all warnings and follow all instructions.
2. Do not use this apparatus near water (if applicable). Clean only with dry cloth.

3. Do not block ventilation openings (if applicable). Do not install in a confined space. Install only according to manufacturer's instructions.
4. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat. Do not place naked flame sources, such as lighted candles, on the apparatus.
5. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other (only for USA and Canada). A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
6. (If applicable) Protect the power cord from being walked on or pinched particularly as plugs, convenience receptacles, and the point where they exit from the apparatus.
7. Use only attachments and accessories recommended by the manufacturer.
8.  Use only specified carts, stands, tripods, brackets, or tables specified by the manufacturer, or sold with the apparatus (if applicable). When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
9. Unplug during storms, or if not in use for a long period.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. (If applicable)The apparatus with protective earthing terminal shall be connected to a MAINS socket outlet with a protective earthing connection.
12. (If applicable)Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
13. Internal/External Voltage Selectors (if applicable): Internal or external voltage selector switches, if any, should only be reset and re-equipped with proper plug or alternative voltage by a qualified service technician. Do not attempt to alter this yourself.
14. Class II Wiring (if applicable): To reduce the risk of electric shock, the external wiring connected to the terminals with "Class II Wiring" requires Class II wiring installed by an instructed person or the use of ready-made leads or cords.
15. Operating temperature range 5° to 45° C (41° to 113° F).

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Please retain your proof of purchase, as it may be required for warranty service.

ES Instrucciones de Seguridad

Por favor, lea estas instrucciones de seguridad cuidadosamente y preste especial atención a cualquier símbolo de advertencia mostrado en el producto y a la información de seguridad relacionada en estas instrucciones.



 Los terminales marcados con este símbolo transportan corriente eléctrica de magnitud suficiente para constituir un riesgo de descarga eléctrica. Use únicamente cables de altavoz profesionales de alta calidad con conectores preinstalados de ¼" TS o de tipo de bloqueo por torsión. Cualquier otra instalación o modificación debe ser realizada únicamente por personal cualificado.

 Este símbolo, dondequiera que aparezca, le alerta sobre la presencia de voltaje peligroso no aislado dentro de la carcasa, voltaje que puede ser suficiente para constituir un riesgo de descarga eléctrica.

 ¡Este símbolo, dondequiera que aparezca, le alerta sobre importantes instrucciones de operación y mantenimiento. Por favor, lea el manual completo.

 **Precaución**
Para reducir el riesgo de descarga eléctrica, no retire la tapa superior (o la sección trasera). No hay piezas que el usuario pueda reparar en el interior. Remita el servicio de reparación a personal cualificado.

 **Precaución**
Para reducir el riesgo de incendio o descarga eléctrica, no exponga este aparato a la lluvia o humedad. El aparato no debe ser expuesto a líquidos goteando o salpicando y no se deben colocar objetos llenos de líquidos, como floreros, sobre el aparato.

 **Precaución**
Estas instrucciones de servicio son para uso exclusivo de personal de servicio cualificado. Para reducir el riesgo de descarga eléctrica no realice ningún servicio diferente al contenido en las instrucciones de operación. Las reparaciones deben ser realizadas por personal de servicio cualificado.

 **Advertencia**
Consulte la información en el exterior de la carcasa inferior para información eléctrica y de seguridad antes de instalar o operar el dispositivo.

 **Advertencia**
Para prevenir posibles daños auditivos, no escuche a niveles de volumen altos durante períodos prolongados. Como guía para establecer el nivel de volumen, asegúrese de que aún pueda oír su propia voz al hablar normalmente mientras usa los auriculares.

1. Lea y conserve estas instrucciones. Preste atención a todas las advertencias y siga todas las instrucciones.
2. No utilice este aparato cerca del agua (si aplica). Límpielo sólo con un paño seco.
3. No bloquee las aberturas de ventilación (si aplica). No instale en un espacio confinado. Instale sólo de acuerdo con las instrucciones del fabricante.
4. No instale cerca de fuentes de calor tales como radiadores, registros de calor, estufas u otros aparatos (incluidos amplificadores) que produzcan calor. No coloque fuentes de llamas abiertas, como velas encendidas, sobre el aparato.
5. No anule el propósito de seguridad del enchufe polarizado o con conexión a tierra. Un enchufe polarizado tiene dos cuchillas, una más ancha que la otra (sólo para EE.UU. y Canadá). Un enchufe de tipo conexión a tierra tiene dos cuchillas y una tercera espiga de conexión a tierra. La cuchilla ancha o la tercera espiga se proporcionan para su seguridad. Si el enchufe proporcionado no encaja en su tomacorriente, consulte a un electricista para reemplazar el tomacorriente obsoleto.
6. (Si aplica) Proteja el cable de alimentación para evitar que sea pisado o pinzado, particularmente en los enchufes, receptáculos de conveniencia y el punto de salida del aparato.
7. Utilice sólo accesorios y complementos recomendados por el fabricante.
8.  Utilice sólo carros, soportes, tripodes, abrazaderas o mesas especificadas por el fabricante o vendidas con el aparato (si aplica). Cuando se utilice un carro, tenga cuidado al mover la combinación de carro/aparato para evitar lesiones por vuelco.
9. Desconecte durante tormentas o si no va a utilizarse durante un período prolongado.
10. Remita todo el servicio de mantenimiento a personal de servicio cualificado. Se requiere servicio de mantenimiento cuando el aparato ha sido dañado de alguna forma, como cuando el cable de alimentación o el enchufe están dañados, se ha derramado líquido o han caído objetos en el aparato, ha estado expuesto a lluvia o humedad, no funciona normalmente, o se ha caído.
11. (Si aplica) El aparato con terminal de tierra protectora debe estar conectado a un enchufe de red (MAINS) con conexión de tierra protectora.
12. (Si aplica) Cuando el enchufe de red o un acoplador de aparato se utilice como dispositivo de desconexión, el dispositivo de desconexión debe permanecer fácilmente operable.
13. Selectores de voltaje interno/externo (si aplica): Los interruptores de selección de voltaje interno o externo, si los hay, sólo deben ser reajustados y reacondicionados con el enchufe adecuado o un voltaje alternativo por un técnico de servicio cualificado. No intente alterarlo usted mismo.

14. Cableado de Clase II (si aplica): Para reducir el riesgo de descarga eléctrica, el cableado externo conectado a los terminales con "Cableado de Clase II" requiere un cableado de Clase II instalado por una persona instruida o el uso de cables o cordones prefabricados.
15. Rango de temperatura de operación de 5° a 45° C (41° a 113° F).

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Conserve su comprobante de compra, ya que puede ser necesario para el servicio de garantía.

EN

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CN 安全说明

请仔细阅读这些安全说明, 并特别注意产品上显示的任何警告符号及本说明中的相关安全信息。

警告
电击危险,
请勿打开机盖

产品输出端子带有此标志表示此端子具有大电流, 存在触电危险。仅限使用带有 ¼" TS 或扭锁式插头的高品质专业扬声器线。与这些端子连接的外部导线需要由经过指导的人员来安装和使用厂家提供的导线或指定的导线。

此标志提醒您, 产品内存在未绝缘的危险电压, 有触电危险。

此标志提醒您查阅所附的重要的使用及维修说明。请阅读有关手册。

小心
为避免着火或触电危险, 请勿将此产品置于雨淋或潮湿中。此产品也不可受液体滴溅, 盛有液体的容器也不可置于其上, 如花瓶等。

小心
维修说明仅是给合格的专业维修人员使用的。为避免触电危险, 除了使用说明提到的以外, 请勿进行任何其他维修。所有维修均须由合格的专业人员进行操作。

警告
为了防止可能的听力损伤, 请勿长时间以高音量收听。作为音量调节的参考, 请检查在正常说话时, 您是否仍能听到自己的声音。

1. 请阅读, 保存, 遵守所有的说明, 注意所有的警示。
2. 请勿在靠近水的地方使用本产品。请用干布清洁本产品。
3. 请勿堵塞通风孔, 安装本产品时请遵照厂家的说明, 通风孔不要覆盖诸如报纸, 桌布和窗帘等物品而妨碍通风。
4. 请勿将本产品安装在热源附近, 如暖气片, 炉子或其它产生热量的设备 (包括功放器)。产品上不要放置裸露的火焰源, 如点燃的蜡烛。
5. 如果产品附带接地插头, 请勿移除接地插头的安全装置, 接地插头是由火线和零线两个插片及一个接地插片构成。如随货提供的插头不适合您的插座, 请找电工更换一个合适的插座。
6. 妥善保护电源线, 使其不被践踏或刺破, 尤其注意电源插头, 多用途插座接设备连接处。
7. 请只使用厂家指定的附属设备和配件。

8. 请只使用厂家指定的或随货销售的手推车, 架子, 三角架, 支架和桌子等。若使用手推车来搬运设备, 请注意安全放置设备, 以避免手推车和设备倾倒而受伤。

9. 遇闪电雷鸣或长期不使用本设备时, 请拔出电源插头。

10. 如果电源线或电源插头受损, 液体流入或异物落入设备内, 设备遭雨淋或受潮, 设备不能正常运作或被摔坏等, 设备受损需进行维修时, 所有维修均须由合格的维修人员进行维修。

11. 如果产品附带接地插头, 本产品应当连接到带保护接地连接的电网电源输出插座上, 确保连接电源时一定有可靠的接地保护。

12. 若电源插头或器具耦合器用作为断路装置, 应当保证它们处于随时可方便操作状态。

13. 本产品仅适用于海拔 2000 米以下和非热带气候条件下的地区。



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请妥善保管您的购买凭证, 因其可能在保修服务时需要提供。

Warning

- (If applicable) As with all small batteries, the batteries used with this product should be kept away from small children who still put things in their mouths. If they are swallowed, promptly call your local poison control center for treatment information
- (If applicable) Always remove battery if consumed or if product is to be left unused for a long time
- (If applicable) Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries. (If one more batteries used)
- (If applicable) Clean the battery contacts and also those of the device prior to battery installation
- (If applicable) Replacement of a battery with an incorrect type that can defeat a safeguard! Replace only with the same or equivalent type
- (If applicable) Replace all batteries of a set at the same time, ensure the batteries are installed correctly with the regard to polarity (+ and -)
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas
- Attention should be drawn to the environmental aspects of battery disposal. Do NOT dispose of batteries in household trash or incinerate
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like

WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery
- **DEATH** or serious injury can occur if ingested
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as 2 hours
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body

AVERTISSEMENT

- **RISQUE D'INGESTION :** Ce produit contient une pile bouton ou une pile plate
- **LA MORT** ou des blessures graves peuvent survenir en cas d'ingestion
- Une pile bouton ou une pile plate avalée peut provoquer des **brûlures chimiques internes** en moins de 2 heures
- **GARDER** les piles neuves et usagées **HORS DE PORTÉE DES ENFANTS**
- **Consultez immédiatement un médecin** si l'ingestion ou l'insertion d'une pile dans une partie du corps est suspectée.

Advertencia

- (Si aplica) Como con todas las baterías pequeñas, mantenga las baterías usadas en este producto fuera del alcance de los niños pequeños que aún tienden a llevarse objetos a la boca. Si son ingeridas, llame inmediatamente a su centro local de control de envenenamiento para obtener información sobre el tratamiento
- (Si aplica) Siempre retire la batería si está agotada o si el producto no va a usarse por un largo tiempo
- (Si aplica) No mezcle baterías viejas y nuevas, ni diferentes marcas o tipos de baterías, como alcalinas, de zinc-carbón o recargables. (Si se usan varias baterías)
- (Si aplica) Limpie los contactos de la batería y también los del dispositivo antes de la instalación de la batería
- (Si aplica) El reemplazo de una batería con un tipo incorrecto puede anular una medida de seguridad. ¡Reemplace sólo con el mismo tipo o uno equivalente
- (Si aplica) Reemplace todas las baterías de un conjunto al mismo tiempo; asegúrese de que las baterías estén instaladas correctamente respecto a la polaridad (+ y -)
- La eliminación de una batería en fuego o en un horno caliente, o aplastarla o cortarla mecánicamente, puede causar una explosión
- Dejar una batería en un entorno de temperatura extremadamente alta puede causar una explosión o la fuga de líquido o gas inflamable
- Una batería expuesta a una presión de aire extremadamente baja puede causar una explosión o la fuga de líquido o gas inflamable
- Se debe prestar atención a los aspectos ambientales de la eliminación de baterías. No deseche las baterías en la basura doméstica ni las incinere
- Las baterías (paquete de baterías o baterías instaladas) no deben ser expuestas a calor excesivo, como la luz solar, el fuego o similares

Warnung

- (Falls zutreffend) Wie bei allen kleinen Batterien sollten die mit diesem Produkt verwendeten Batterien außerhalb der Reichweite von Kleinkindern aufbewahrt werden, die Dinge noch in den Mund nehmen. Wenn sie verschluckt werden, wenden Sie sich umgehend an Ihr örtliches Giftinformationszentrum, um Behandlungshinweise zu erhalten
- (Falls zutreffend) Entfernen Sie die Batterie immer, wenn sie entladen ist oder das Produkt längere Zeit nicht benutzt wird
- (Falls zutreffend) Mischen Sie keine alten und neuen Batterien, keine Batterien verschiedener Marken oder Typen, wie z.B. Alkali-, Zink-Kohle- oder wiederaufladbare Batterien. (Wenn mehrere Batterien verwendet werden)
- (Falls zutreffend) Reinigen Sie die Batteriekontakte und die des Geräts vor dem Einsetzen der Batterie
- (Falls zutreffend) Der Austausch einer Batterie durch einen falschen Typ kann eine Schutzmaßnahme aufheben! Ersetzen Sie sie nur durch denselben oder einen gleichwertigen Typ
- (Falls zutreffend) Ersetzen Sie alle Batterien eines Satzes gleichzeitig und achten Sie auf korrekte Polarität (+ und -)
- Das Entsorgen einer Batterie in einem Feuer oder einem heißen Ofen oder das mechanische Zerquetschen oder Schneiden einer Batterie kann zu einer Explosion führen
- Das Belassen einer Batterie in einer Umgebung mit extrem hoher Temperatur kann zu einer Explosion oder dem Austreten von brennbarer Flüssigkeit oder Gas führen
- Eine Batterie, die extrem niedrigem Luftdruck ausgesetzt wird, kann explodieren oder brennbare Flüssigkeit oder Gas freisetzen
- Auf die Umweltaspekte der Batterieentsorgung sollte geachtet werden. Entsorgen Sie Batterien NICHT im Hausmüll oder durch Verbrennung
- Batterien (Batteriepack oder eingesetzte Batterien) dürfen nicht übermäßiger Hitze wie Sonnenlicht, Feuer oder Ähnlichem ausgesetzt werden

HD96-AIR Overview

Chapter 1: Introduction

Welcome to the HD96-AIR Digital Mixing System. The HD96-AIR is a further transformation of the Midas live sound experience, designed for the modern day live sound engineer without compromise.

Based on the flagship HD96-24 the HD96-AIR is the next step in delivering Midas' new way of mixing, while keeping the famous no-compromise sonic quality. New forward-thinking ideas – including large touchscreen control, modern multi-touch gesture control with separate widget-style areas and the Midas mCloud system to help manage many duties of the HD96-AIR system – are just a few of the new concepts created to take mixing audio to a new level.

To obtain the best results please read this quick start guide (QSG) and enjoy the future of mixing with the HD96-AIR System.

About This Guide

This Quick Start Guide (QSG) is designed to quickly familiarize the user with the console layout, show how to configure and set the system up, and then show how to carry out basic functions needed to start mixing audio.

This document is aimed at professional engineers, such as Front Of House (FOH) and Monitor (MON) engineers, who will be using this equipment in a live sound environment. This document assumes that the reader has previous experience of using professional audio equipment.

For full details of the HD96-AIR system please refer to the HD96-AIR Owner's Manual, which can be found on our website at midasconsoles.com. We strongly advise that you read the full manual as many improvements will take place and some of the screenshots in this QSG may be out of date as the software rapidly improves. We are at the inception of this powerful new audio mixing system which will only grow and develop over time.

HD96-AIR System Firmware Version

Our team of software engineers are constantly working to improve and expand the features of the HD96-AIR. To achieve the best results from your console, you should make sure the latest firmware version is installed on your system. Firmware updates can be found in the Midas mCloud (cloud.midasconsoles.com), a new approach to track and store system updates, or via the midasconsoles.com website.

HD96-AIR Touchscreen

WARNING: The HD96-AIR should NOT be placed or operated in direct sunlight. If the screen is exposed to direct sunlight, it may become unresponsive and too hot to handle. Please ensure you have a suitable cover for your console.

Warranty and Registration

Midas are world renowned for quality and reliability. This product comes with a standard 1-year warranty, which can be extended to 3 years by registering your product within 90 days of purchase.

Register your HD96-AIR console by using the Midas mCloud.

Service and Support

The HD96-AIR is state-of-the-art technology. We provide incredible levels of support and service available via the Midas mCloud or by our service team to give owners and users confidence in Midas products.

Commonly Used Terms and Definitions

Below are some of the terms used in this QSG. Knowing these terms and what they mean will make reading this document straight forward.

GUI – Graphic User Interface or Touchscreen.

Channel – Any input or output (Aux, Matrix, Masters).

Path – Any input or output, VCA (Voltage Controlled Amplifier) or Master.

POPulation Group – A group of channels used to bring or recall paths to the touchscreen surface.

Contributions – Any path that contributes to an output bus.

Touch – The action of pressing the touchscreen to turn on or select a function.

Select – The same as Touch.

Pinch – Two fingers squeezed together, used to tighten or widen equalizer width (Q).

Swipe – Moving a page left to right or up and down by pressing, holding and moving in the required direction.

Press-and-Hold – Either a way to select all the paths on a current page for multiple editing, or a way to engage a parameter function that may be critical if pressed in error, for example flattening the EQ is a press-and-hold function.

Widget – The name for a window or various windows displaying information on the GUI as part of a workflow.

Workflow – Visualizes the activities needed to mix audio.

Pot - A physical control used to adjust a level or value, short for 'potentiometer'.

Chapter 2: HD96-AIR Overview

Unpacking the equipment

After carefully unpacking the equipment, save all packing materials, as they will prove useful should it become necessary to transport the equipment later. Inspect the equipment carefully for any sign of damage incurred during transportation. This equipment has undergone stringent quality control inspection and tests prior to packing and was in perfect condition when it left the factory. However, if the equipment shows any signs of damage, notify the transportation company without delay. Only you, the consignee, may institute a claim against the carrier for damage during transportation.

Introducing the HD96-AIR Digital Mixing System

For decades, Midas has been a driving force in the world of pro audio. Building on the incredible success of the XL8 and PRO Series, with their exemplary audio performance and road-proven rugged and reliable construction, the Midas PRO Series became the gold standard in concert touring and installed live sound. Offering the same outstanding sample-synchronised and phase-coherent audio performance, interpolated control functions and intuitive navigation, the PRO2, PRO3, PRO6, PRO9 and later PRO-X Live Audio Systems have become one of the industry's main choices for live sound mixing.

Now building on the success of the HD94-24, Midas is proud to introduce the HD96-AIR. HD96-AIR takes all the same power and processing as the larger HD96-24 and fits it into a small, lightweight and portable package.

Featuring the same 21" touchscreen for hands-on instant access to all controls. Parameter adjustment becomes fast and easy with gesture touch interaction using the precise and accurate multi-touch display which allows up to 10 simultaneous touches. Featuring 144 Simultaneous flexi inputs and 123 (96 x Flexi-Aux + 24 x Matrix + 3 Output busses = 123) time-aligned, phase-coherent busses with no stealing of resources in channel or bus counts. True and consistent 96 kHz sampling frequency and 64-bit floating point processing provide exemplary quality audio processing, and the oversampled and interpolated digital signal processing algorithms, combined with the fully interpolated and touch-sensitive user controls, result in the smooth continuous response and immediacy of working on an analogue console.

The HD96-AIR features the rugged and road-proven Klark Teknik HyperMAC (HyperMAC) and SuperMAC (AES50 compliant) networking technologies with their ultra-low and deterministic latencies and robust error correction. With this powerful audio networking, HD96-AIR offers up to 617 inputs and 616 outputs at the 96 kHz sample frequency, depending on configuration.

The 24 VCA (Variable Control Association) and 24 POP (POPulation) groups – combined with the advanced touchscreen navigation system, 3 physical faders, assignable controls and an innovative shortcut area – allow simultaneous display and control of all the critical information required to craft an unprecedented mix experience.

Applications

The HD96-AIR takes the fully featured Heritage Digital platform and provides it in a much smaller form factor. If you need a console that fits in a tight space, if you need to fly with your system or if you are using a smaller trailer to truck your equipment, the HD96-AIR might just be the console for you.

Being a truly multi-functional console in the Midas tradition, the HD96-AIR is suitable for many applications, such as:

- Live sound touring FOH or MON duties
- Live sound theatre FOH or MON duties
- Live sound house of worship FOH or MON duties
- Live Performance Broadcast Mixing

System Busses

The HD96-AIR has comprehensive system busses to suit demanding applications, consisting of the following bus options:

- 2 stereo Solo busses, routable from all locations and allowing for dual operator control
- 3 Master busses (1 stereo, 1 mono), routable from the mic/line inputs (up to 144) and 96 Aux busses
- 24 Matrix busses, routable from the mic/line inputs (up to 144), 96 aux busses and 3 Master busses
- 96 Aux busses, either standard or flexi-aux, routable from the mic/line inputs (up to 144) or flexi-aux bus to aux bus for group or stem-style processing

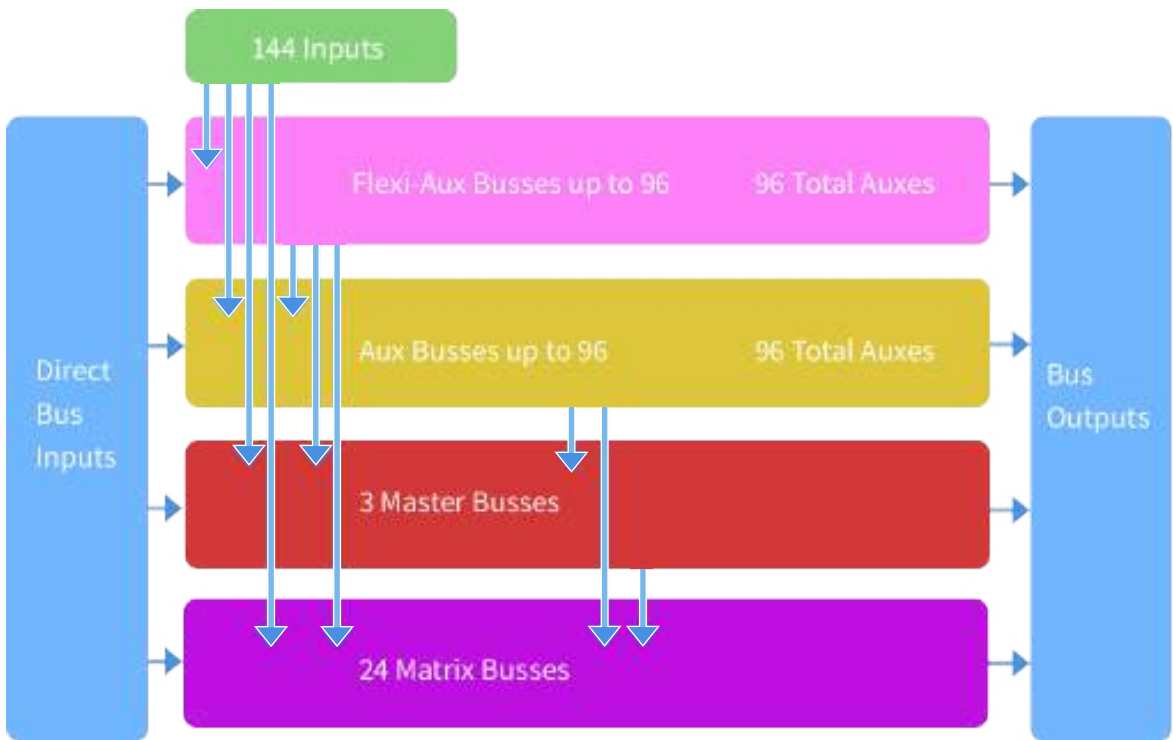
All of the bus routings provide all sources with simultaneous and time-aligned mixing, which will be switchable for minimum latency requirements.

For monitor mixing, the master, matrix and aux busses can all be routed directly from the input channels, with independent level controls providing up to 123 monitor mix busses. Flexi-aux busses allow group mixing of channels to be sent to Auxes, Matrices or the Masters, for example, mix and process all your drums via a Flexi-Aux then send to an IEM Aux.

For traditional FOH sub-group mixing, any (or all) of the aux busses can change to operate post-channel fader and pan (that is, aux gain fixed at unity).

Mix Matrix

Fundamentally, the Mix Matrix defines the capability of the HD96-AIR. Probably the best way to imagine the Mix Matrix is to think of an analogue console layout, where inputs run vertically and busses run horizontally. A Mix Matrix is usually defined as the number of busses and the quantity of simultaneously mixable inputs available per bus. The following diagram illustrates the capability within the HD96-AIR system.



HD96-AIR Overview

Network

The HD96-AIR's network utilises the physical connectivity of Ethernet (RJ45 connectors and Shielded CAT5E/copper cable) but replaces its data protocol with AES50 protocol (implemented as SuperMAC) and the HyperMAC high-capacity system, which are more suited to high-quality, low-latency audio distribution. The use of the AES50 standard allows straightforward interfacing with any third-party hardware that also utilises this connection.

AES50 connections carry digital audio and control data bi-directionally down a single cable. Shielded CAT5E cable is used for the 'local' connections and the dual digital 'snake' (equivalent to a 384-channel analogue multi-core, 192 channels per snake connection) between console and I/O. The combination of audio, control, clock and third-party Ethernet data in a single network means that the hardware interfaces on a single RJ45 connection.

All system connections can be duplicated for full dual redundancy.

mCloud Network

The Midas mCloud network is a brand-new concept in file and system management. The HD96-AIR has built in Wi-Fi capabilities which allow the surface to share its information over a Wi-Fi connection and any other network connections to the mCloud. Be reassured the connection is completely safe and great lengths have been taken to keep information secure.

The mCloud network can be used to store your show files, preset files and all other types of data from the console. If you leave your USB stick with your vital settings at home, you can directly log into your mCloud account and load your show file straight to the HD96-AIR without breaking a sweat.

New system updates can be downloaded directly to the surface ready for you to update when you're ready. A list of all previous software versions will be stored on the HD96-AIR for peace of mind.

The mCloud network also allows audio rental companies to keep track of registrations, software versions, warranties and diagnostic logs. All the admin for running a busy hire company in one place.

Each user of the HD96-AIR will be prompted to set up a user profile which also in turn configures your mCloud account. Visit cloud.midasconsoles.com to set up and use your account.

HD96-AIR Software

The operating system (OS) of the HD96-AIR is Linux, which is an open-source, stable, proven operating system. Linux is used in many mission-critical applications worldwide and has allowed Midas' software engineers to write a ground-up system that contains no 'hidden' or unused code. This system architecture has resulted in an efficient, compact application, which is quick in operation, quick booting and comparatively easy to debug.

Graphic User Interface (GUI)

The HD96-AIR has a 21" touchscreen that provides a quick and intuitive workflow. Modern touch gestures, such as 'pinch', and smooth touchscreen faders have been included to speed up workflow and let you concentrate on the mix. Not only does the GUI reflect what is happening on the control surface, but it also provides extra functionality via a top menu and a sidebar menu. These menus provide access to all the pages that will be required to set up, configure, manage and operate the entire control surface.

Gone are the days of only one touch on a screen at a time. With this GUI, you can use both hands to manipulate up to 10 faders at a time if you so wish.

Independent widget-style areas are also extensively used in the GUI to display various different types of information at once, all fully customisable to suit your workflow.



Pinch gesture showing EQ width adjustment

System card expansion

The HD96-AIR has dual CM-1 slots built in for further audio expansion, which adds up to an additional 128 channels of I/O that can greatly increase networked capabilities. With these flexible options, virtual sound checks and recording have never been easier to set up and achieve, and this support for new and emerging protocols via these two industry-standard expansion slots gives the HD96-AIR a greatly extended shelf life.

Chapter 3: Before You Start

Principles of Operation

Control surface operation is based on the concept of colours and groups rather than 'layering' or 'paging', which is the case with most digital consoles on the market today. With so many channels available, it is far easier to remember channels by their user-configured individual/group colour and name, rather than their channel number.

The control surface is populated with the following range of customizable controls, including 8 rotary knobs which can be automatically populated or defined by the user, 24 assignable buttons for quick access to key controls, and 3 fader strips which can be dynamically changed on the fly to bring your important channels to the physical faders

The HD96-AIR surface can also be extended easily with the addition of HD96-FB16 fader bay expansion units.

Hints and Tips

Checking the Console View screen frequently is a good idea. This screen provides at a glance an overview of the control surface's input/output status.

The Manchino (Multi Edit) page is a great place to set various inputs or outputs to user-defined levels or settings (e.g., setting all faders to 0 dB, setting all contributions into a particular aux to be Pre-fade, or routing a large number of paths to the Stereo bus). Details of how this feature works can be found in the full HD96-AIR manual.

User Journey

When the HD96-AIR is switched on for the first time, you will be presented with the welcome screen, then the Country or Region selection page. In order to enjoy the full benefits of the mCloud system, you should connect HD96-AIR to the Internet using a wired or wireless network connection. You will then be guided through the various pages to set up and log in to your mCloud account.



Setting up a User Profile

The HD96-AIR incorporates a system of User Profiles for storing information about the console setup and other User info. Each person using the HD96-AIR system can have their own profile, which keeps all your show files and other useful information, both on the console and via the mCloud network, if the HD96-AIR has an active Internet connection.

After the system has been registered and is turned on for the second time, you will be asked to either log in or create and add a new profile.



The User Login screen will show the following information and options:

1. Current selected profile
2. Change user profile
3. Login to your mCloud account (all active files in your account will be available in Show Manager)
4. Safe Mode (the show database is not available in Safe Mode, but you can still mix).
5. Activates the lock screen
6. SHUTDOWN the console

Saving Your Work

We recommend that you save your work regularly to both the mCloud and a USB stick while carrying out the procedures included in this guide. Not only is this good practice during normal operation, but in this instance, these backups may save you from losing some setups that could prove useful later on.

Saving a show versus storing a scene

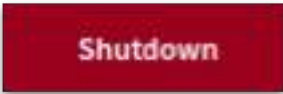
It is important to understand the differences between saving a show and storing a scene. Storing a scene saves the current settings of the system to the show file. Scene data is never updated unless you manually store a scene. The show file remains unsaved in RAM. Although the state of the control surface is copied after a change is made, these settings are not stored in a scene. Instead, this data is placed in the control surface's NVRAM (non-volatile random-access memory), which is a type of RAM that doesn't lose its data when the power goes off. If the control surface loses power accidentally, these settings are loaded so that audio parameters are identical, thus avoiding audio level jumps.

Saving a show copies the show file onto the internal SD card of the control surface. This SD card provides you with a 'permanent' copy, provided you shut down the system properly as detailed in the following section. You also have the option of saving your show to your Midas mCloud account. This dual backup gives extra security to your work and allows your show file to be restored to a console even if you have lost your USB stick.

HD96-AIR Overview

Shutting down the control centre properly

When switching off the control surface, we recommend that you use the SHUTDOWN option in the GUI menu.



Press-and-hold SHUTDOWN for a short time while the line traces around the outside of the button. The surface will then start the shutdown routine, the screen will go blank, the Midas logo will briefly be displayed, and then the screen will go blank for a second time indicating the shutdown procedure has finished.

Only once the system has been shut down correctly is it safe to turn off the power switch. By using SHUTDOWN, the cached copy of the show data, which is maintained by the system, is automatically stored. SHUTDOWN then uses the current show file, NVRAM data and cache files to restore the control surface to exactly the same state as at power down, even to the point of loading the unsaved show and placing you at the correct scene, with non-stored scene data at the control surface.

If you don't use the SHUTDOWN option the audio parameters are still restored, but the show and show status (saved/unsaved) may not be restored automatically. In the event the show does not automatically reload, you must manually reload the show, and any unsaved changes will be lost.

The Midas mCloud system

mCloud handles all show file storage at its basic level. Imagine leaving your USB stick at home but not worrying, as once you sign into your mCloud account, on the surface you can see all your shows in one convenient place.

Below is a status list to show how your files are synced or not.



Status if connected to the mCloud:

- **Synced** – All versions of this show have been pushed to the mCloud; any newer mCloud versions have been synced to the console
- **Pending** – One or more newer versions have been created on the console and will be synced shortly
- **Syncing** – Edits are being pushed to and/or pulled from the mCloud
- **Conflicted** – Edits have been made on both console and cloud: awaiting user to select the correct current version
- **Error** – The sync service encountered a problem trying to sync this resource (e.g., due to an issue communication with the mCloud)

“Connected to mCloud” means the console can reach the mCloud server, the current user is mCloud-enabled and a valid password has been entered (or a valid token saved from a previous session).

Status if offline:

- **Synced** – Latest version of shows on the console have been synced to the mCloud. Newer mCloud versions will be unknown.
- **Pending** – One or more newer versions have been created on the console and will be scheduled for sync next time the console is connected.
- **Syncing** – n/a
- **Conflicted** – n/a
- **Error** – n/a

Chapter 4: About the Control Surface

The HD96-AIR has been designed with limited but highly flexible surface controls allowing users to define a rapid workflow that works for them while still maintaining a small and lightweight form factor without compromising the mixing capabilities seen in the larger HD96-24.

The aluminium and carbon fibre chassis keeps this product lightweight and strong. Contained within HD96-AIR is the full DSP and Control system powered by dual redundant power supplies and a full audio routing matrix featuring both analogue and digital audio connectivity. Substantial forced air-cooling is provided by 2 large (but slow moving) fans with internal airflow routing to maintain an acceptable internal temperature. The large capacitive touchscreen displays a large quantity of information and can be customised to match your workflow to make mixing a pleasure. Using modern day gestures from mobile phone and tablet technology such as pinch and swipe makes parameter manipulation even faster and more responsive with up to 10 simultaneous touch points.

The HD96-AIR system is designed to be easy to see for colour-blind people, and great care has been taken to accommodate as many types of colour-blind people as possible.

Control surface layout

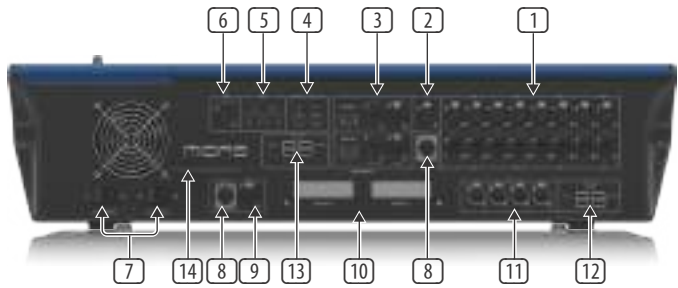


The HD96-AIR surface can be split into 8 distinct areas making operation quick and precise with all controls close to hand. The areas are defined in the following callout diagram.



Surface Layout

1. **METERS** – 4 x 20 segment meters for Master and Monitor Bus. Unfold buttons to spill Masters or Monitors to the Channel Fader Bank over the top of the assigned channels.
2. **ASSIGNABLE CONTROLS** – 8 x user-assignable rotary control and button. Fully interpolated analogue pot supported by on-screen sidebar. Users can assign a range of functionality including One-Shot Pot, Auto One-Shot Pot, Customer Rotary Layers and Aux Send Controls.
3. **CHANNEL FADER BANK** – 3 x assignable channel strips which default to Left, Right and Mono. Each channel strip features Mute, LCD display and Select button which can also act as solo (Activate Solo Follows Select) and 100 mm motorized fader.
4. **USB PORT** – USB Type A port for connecting storage devices allowing users to import or export user data.
5. **TALK GAIN** – Controls gain for the dedicated talk input on the rear of the console and TALK button to enable the Talk Bus to route audio to the desired busses/channels. TALK button can operate as latching or momentary.
6. **PHONES** – Headphone Level control and headphone MUTE switch. Headphone output will duplicate audio routed to Monitor/Solo A bus.
7. **GLOBAL ASSIGNABLE SHORTCUTS** – 24 x Assignable buttons supported by 12 LCD display screens. Completely customizable to provide instant access to users desired controls.
8. **GLOBAL ASSIGNABLE SHORTCUT L/R** – Left/Right paging buttons for users assignable button layers.



Rear Panel Connections

The HD96-AIR has a range of connectivity options to satisfy all requirements and provide enough flexibility to handle a range of applications.

1. **LOCAL FIXED I/O** – 8 XLR mic inputs and line outputs which can be freely routed to/from any channel on the desk. Each pair of inputs and outputs can be switched to AES3 where the first connector of the pair becomes a stereo AES3 input or output.
2. **TALK** – Input for connecting a talk mic to the internal talk bus. TALK input gain can be found on the control surface. The TALK input always provides +48 V of phantom power.
3. **SNAKE** – Dual Snake (HyperMAC) ports which can be configured as two independent 192 x 192 channel audio streams or as a dual-redundant 192 x 192 channel stream with automatic fail over. Snake connections can be configured to either Copper or Fibre using industry-standard optical or RJ45 connectors, respectively. Each Snake port has 2 sets of status LEDs which indicate which mode (Optical/Copper) the snake port is using and the health of the link (OK/ERROR).
4. **WORD CLOCK** – Input (IN) and output (OUT) BNC connectors for sending/receiving word clock signal for external synchronization.
5. **MIDI IN/OUT** – 5-pin MIDI DIN connectors for MIDI In/Out allowing the receiving or transmission of MIDI signals to external devices.
6. **LAMP** – 12 V DC 4-pin lamp connector for powering external light.
7. **AC POWER** – Dual-redundant AC inlet connectors with individual power switches per power supply.
8. **HDMI** – Dual HDMI outputs. HDMI 1 provides a duplication of the onboard screen. HDMI 2 provides access to the second screen user interface.
9. **ETHERNET** – RJ45 connector for connecting the console to an external wired network.
10. **MODULE** – Dual CM-1 expansion slots housing supported Klark Teknik/Midas expansion modules, including MADI, DANTE, USB and AES50.
11. **AES50 PORTS** – 4 AES50 (SuperMAC) ports which can be configured as 4 independent 24 x 24 channel audio streams or as 2 pairs of redundant 24 x 24 channel audio streams with automatic failover.
12. **USB HUB** – 4 x USB ports for connecting peripheral storage devices.
13. **FADER PORT** – 4 x USB ports to connect peripheral storage devices or support FB16 fader bay expansion units.
14. **WIRELESS MODULE** – Removable USB WiFi and Bluetooth module with external antenna.

HD96-AIR Overview

Removing the WiFi and Bluetooth Module

1. Unclip the WIRELESS MODULE antenna to access the two screws on either side of the antenna.
2. Remove these screws. The plastic window can now slide off over the antenna.
3. The WIRELESS MODULE can now be removed. The module can be left unfitted, and the console will function normally with WiFi functionality disabled.
4. The certification information of the Wireless Module can be found <https://www.lm-technologies.com/product/wifi-802-11ac-bluetooth-5-0-2t2r-usb-combi-adapter-lm842/?template=certification>.

WARNING: Refit using Midas-supplied WiFi modules only. Re-use the screws and nylon spacers when refitting. Do NOT over-tighten the screws when refitting.

Chapter 5: System Setup

Racking the I/O

Please take note of the rack requirements as detailed below.

To ensure the correct installation and function of the outboard equipment, any rack has to meet the following general requirements:

Shock mounting (for non-installation environments)

The rack must provide adequate shock protection of the units it houses by incorporating appropriately designed shock protection methods. For example, a foam-suspended rack or a frame suspended on anti-vibration mounts.

Ventilation

The HD96-AIR has air intake vents on each side of the console. Air is drawn in through the console side vents and exits via the fan on the rear of the surface. It is vital that none of these airways are blocked as overheating may occur if airflow is restricted.



The Midas I/O units have been designed such that their internal ventilation airflow is drawn in through the front of the unit and expelled through the rear. To facilitate air circulation, rack design must ensure that cool air can flow freely through the rack in the same direction, that is, in through the front of the rack and out through the rear. Situations where the air flows in a circular direction around and through a Midas I/O unit must be prevented. Midas recommends that racks with fully opening front and rear doors are used.

CAUTION: Never combine units in the same rack that have been designed for a ventilation air flow direction other than that designed for the Midas units. To avoid this conflict, we recommend that any non-Midas units are housed separately.

Rack mount supports

Always secure the rear of the Midas I/O units to the rack via their rear rack mount support brackets. These brackets are fitted to every Midas I/O unit and are recommended for use in touring applications.

Handles on rack case

You must ensure that there are sufficient external handles fitted to the rack casing to enable the rack to be manoeuvred easily and safely, and by the number of personnel suitable for the task. Also, these handles must be fit for purpose.

Clearance at rear of units

Ensure an adequate clearance at the rear of the units to provide sufficient free space to enable the cables to achieve their minimum bend radius.

Securing the cables

We recommend that the cables at the rear of the units be tidied using lacing bars and cable ties. This should provide optimum access to the rear of the units for connecting other cables, switching the units on/off, etc., and also to give maximum visibility of the units' LEDs for determining communication status, link status, condition of audio etc.

Connection instructions

There are currently two ways to connect the system equipment together:

1. HD96-AIR surface to a Klark Teknik DN9680 via Copper (with the correct cable - solid core.) or with a Multi-Mode (MM) fibre optic snake. Then Klark Teknik DN9680 to I/O box (e.g., DL231) via Shielded CAT5E.
2. HD96-AIR surface direct to I/O (e.g., DL231) via Shielded CAT5.

Make sure only STP Shielded CAT5E-rated cables are used!

For cable length, refer to Midas cable specs. Please take into consideration any in-line connections or links reduce the overall cable length.

AES50 Shielded CAT5E STP vs UTP cables

Music Tribe are standardising the use of RJ45 cables used for AES50 connections and state that customers must use Shielded Twisted Pair (STP) cable only with shielded RJ45 plugs and locking shells.

STP cable has the added advantage of a foil or braided shield that guards the cable against electromagnetic interference. A good foil or braided shield and correctly connected shielded plugs and shells also helps protect against Electrostatic Discharge (ESD) that can be the cause of dropouts on AES50 connections.

Occasionally, shielded RJ45 cables will leave the shield disconnected on one end to help with ground loops, even though it has no benefit for AES50 connections. These connections should have continuity of the shield on both ends including the locking shells. This continuous shielding will ensure the best possible protection against strong ESD impacts, such as handling discharges or even lightning strikes in the neighbourhood.

All AES/EBU connections must use good quality 110 Ω AES/EBU cable to ensure correct operation!

System components

Below is a list of currently compatible system I/O components with the HD software. When I/O is connected to the HD96-AIR system, it will be necessary to update to the latest HD I/O software. The updater is built into the console and guides you through the update process. Once updated, I/O boxes will still be compatible with Pro Series consoles.

NOTE: I/O boxes will need to be updated to work with the HD96-AIR system. The I/O Box and Device updater can be found in the Update Manager page. With all your I/O connected, press Sync I/O and follow the instructions. Updated I/O boxes are fully compatible with Pro Series consoles.

After connecting up your system, you may need to set up the ID of the unit(s) in the rack, such as the DL231 I/O or DL15x I/O, as each unit within the same family of units must have its own unique ID number.

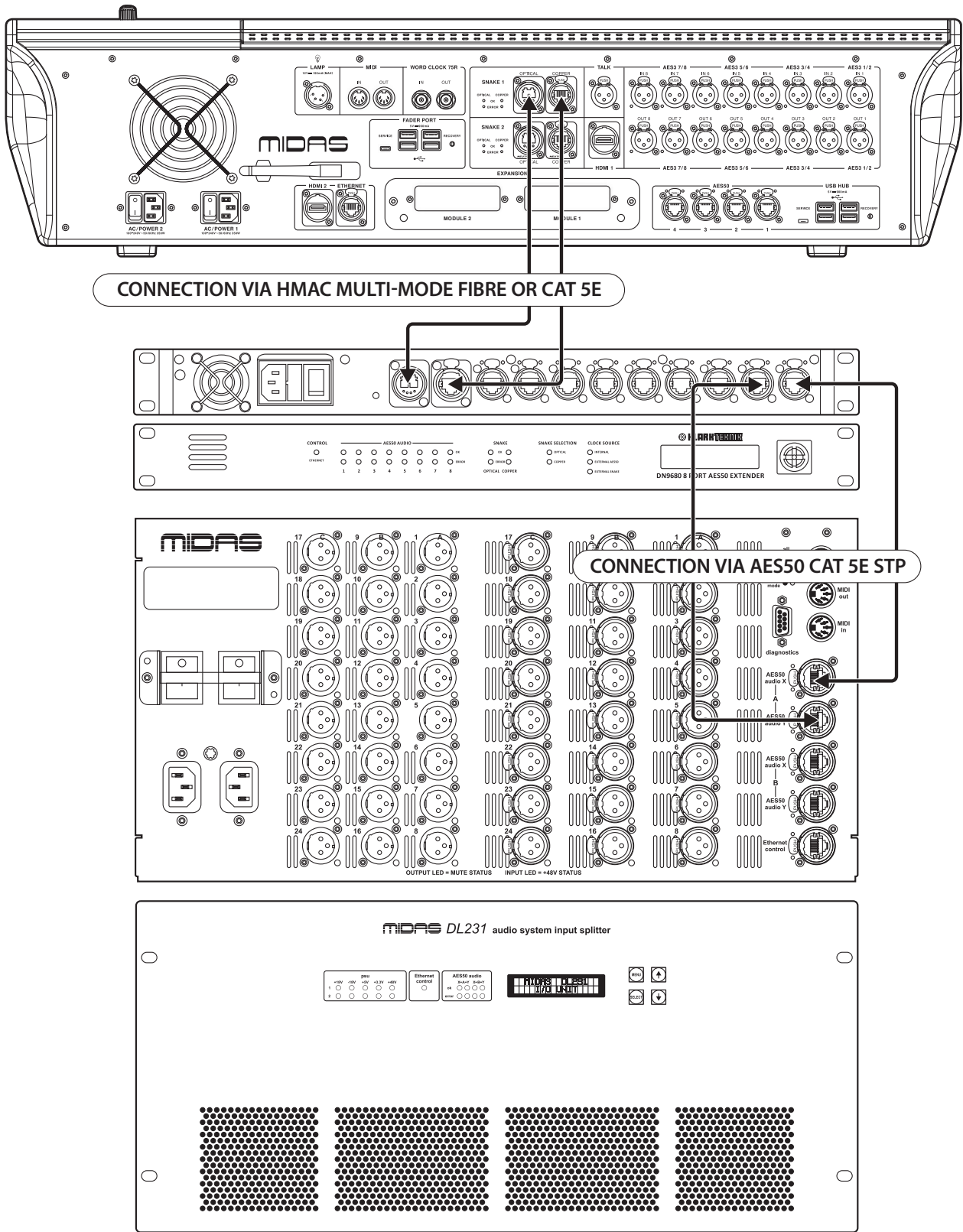
Please refer to the DL series or HD manuals for full details on changing unit ID's.

I/O UNIT	
DL231 - 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 synchronization. 24 electronically balanced output channels can be sourced from microphone preamplifiers or AES50 ports.	
DL151 - 24 award-winning Midas analogue mic preamps with switchable +48 V phantom power.	
DL152 - 24 active-balanced low impedance line-level outputs.	
DL153 - 16 award-winning Midas analogue mic preamps with switchable +48 V phantom power, and 8 active-balanced low-impedance line-level outputs.	
DL154 - 16 active-balanced low-impedance line-level outputs, and 8 award-winning Midas analogue mic preamps with switchable +48 V phantom power.	
DL155 - 8 award-winning Midas analogue mic preamps with switchable +48 V phantom power, 8 active-balanced low-impedance line-level outputs, and 8 AES3 (AES/EBU) digital inputs.	
DL251 - Audio System I/O supplied as a fixed-configuration unit with 48 mic/line inputs and 16 outputs.	
DL252 - Audio System I/O supplied as a fixed-configuration unit with 16 mic/line inputs and 48 outputs.	
DL431 - 24 input, 72 output active microphone splitter with 2 electronically and 1 transformer-balanced outputs per channel, as well as 3 award-winning Midas microphone preamplifiers per channel with switchable +48 V phantom power.	

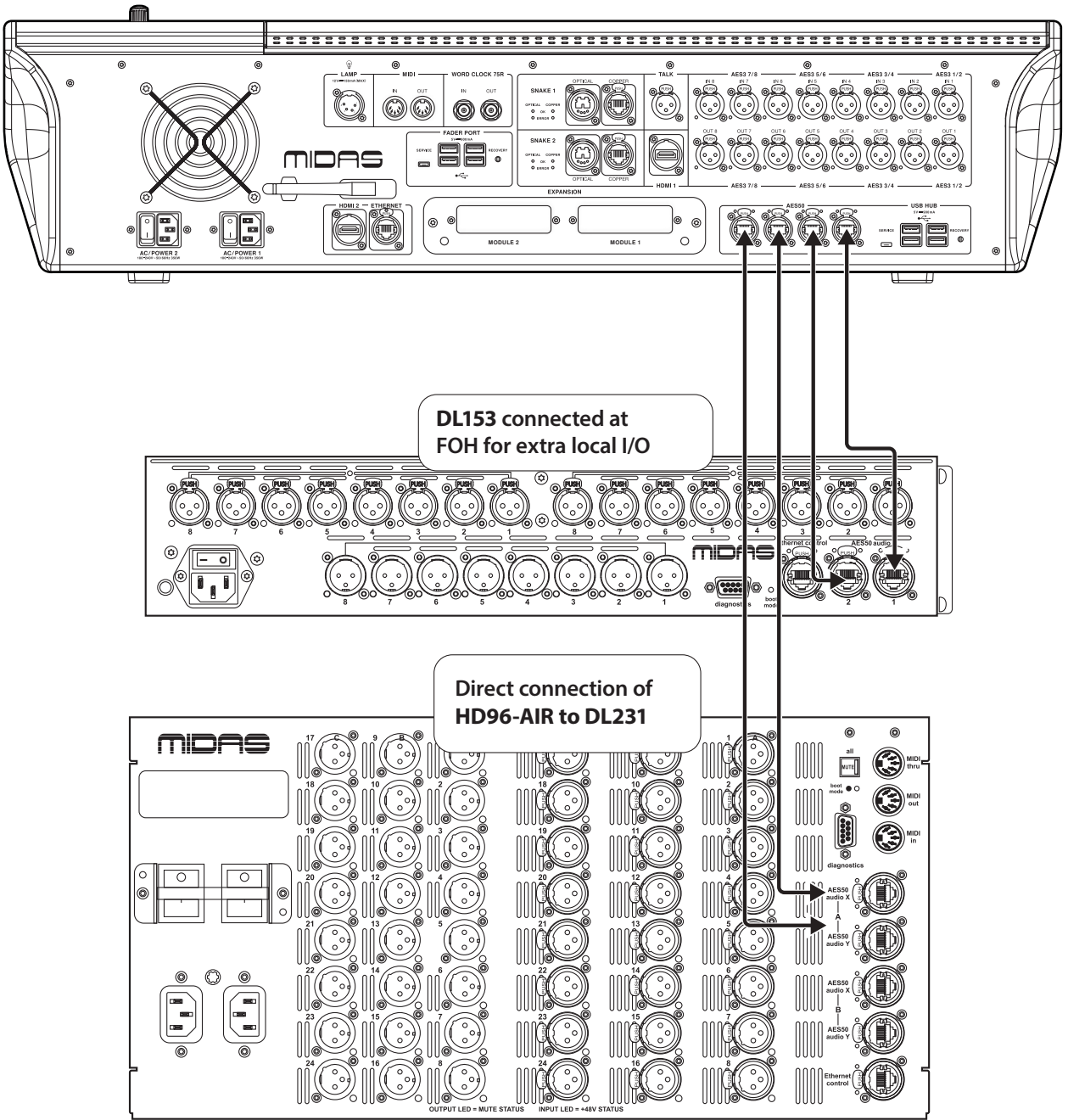
HD96-AIR Overview

EN

Connection Via DN9680



Direct connection of I/O



HD96-AIR Overview

To power up the system

IMPORTANT NOTE: Make sure your speaker system, in-ear monitors or monitor wedges are muted until the start-up of the system has been completed.



After all system interconnections have been made, start up the system by following these procedures:

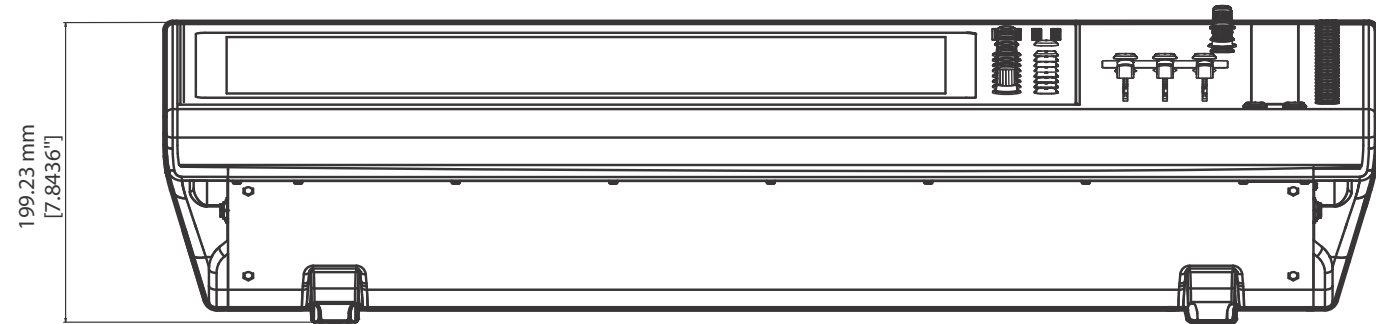
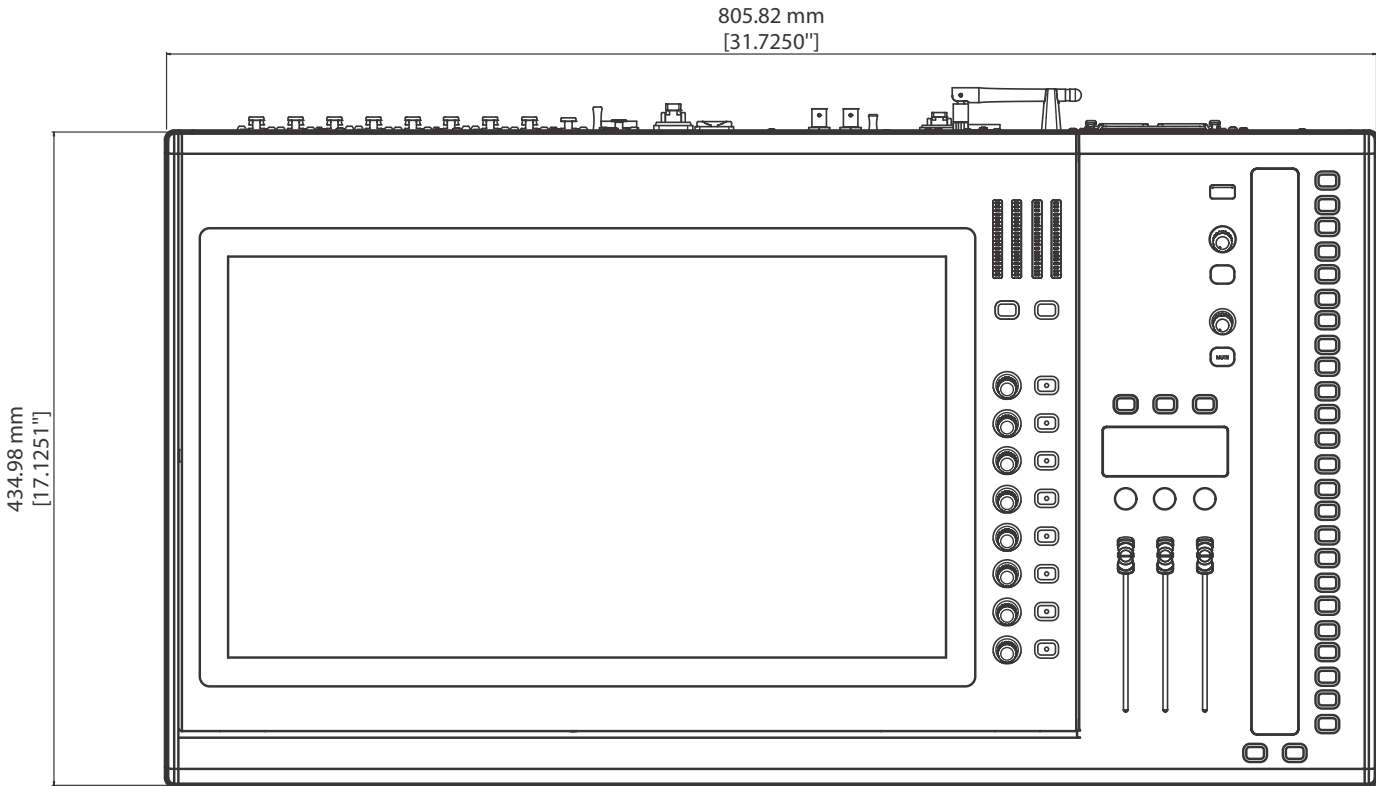
Switching on the HD96-AIR

1. Plug the two mains cables into the mains power outlets. Both power supply modules should be supplying power to the HD96-AIR surface for correct redundant operation.
2. Plug the connectors of the mains cables into the IEC mains sockets on the rear of the HD96-AIR.
3. Turn on the power to the HD96-AIR surface by switching both AC POWER switches on. The surface will boot up. Once the default GUI screen is displayed, it is ready for use.

To switch off the HD96-AIR surface

1. Make sure you have saved any shows, scenes or settings you require.
2. In the GUI, select Menu from the top bar, then press-and-hold the red SHUTDOWN button at the bottom of the menu until the line traces around the outside of the red button. The shutdown procedure will then initiate.
3. The screen will go blank, the Midas logo will briefly be displayed, then the screen will go blank for a second time indicating the shutdown procedure has finished. Once the screen shows it is safe, you may then turn off both AC power switches on the rear panel.

Chapter 6: HD96-AIR Dimensions



Specifications

Connections	
Analogue / AES3 in, switchable	8 x 3-pin XLR
Analogue / AES3 out, switchable	8 x 3-pin XLR
AES50	4 x RJ45
Word clock 75R	2 x BNC
Talk	1 x XLR, balanced
HDMI 1 / 2 (monitor output)	2 x HDMI
Supported monitor formats	1920 x 1080 p, 59.94 Hz / 60 Hz 16:9 & 720 x 480 p, 59.94 Hz / 60 Hz
External (Ethernet) connector	RJ45 XLR
Snake 1 / 2	2 x optical 2 x copper
USB port	8 x USB 3.0, type A, 5 V = 900 mA power
USB port (service)	2 x USB, micro-USB
USB (top panel)	1 x USB 2.0, type A, 5 V = 500 mA power
Expansion	2 x expansion module slots
MIDI in / out	2 x 5-pin MIDI DIN sockets
Lamp	4-pin, 12 VDC / 150 mA max
IEC mains socket with power switch	2
Headphone output (side panel)	1 x ¼" TRS, stereo

Input / Output Characteristics	
Analogue input impedance	10 kΩ
Non-clip maximum input level	+24 dBu
Input gain	Analogue stepped gain -2.5 dB to +45 dB plus -40 dB to +20 dB continuous digital trim
Phantom power (switchable per input)	+48 V
Talk mic impedance	5 kΩ
Talk mic gain	+15 dB to +60 dB
Talk mic max level	+6 dBu
Analogue output impedance	50 Ω
Analogue output max level	+21 dBu
Dynamic range	106 dB, 22 Hz to 22 kHz, unweighted
Crosstalk @ 1 kHz	-100 dB physically adjacent input channels
Crosstalk @ 10 kHz	-90 dB physically adjacent input channels
Headphones output impedance	10 Ω
Headphones maximum output level	+21 dBu

Displays	
Display screen,	21" LCD high brightness 1920 x 1080 px, captive touchscreen up to 10 simultaneous touches
LCD info displays	15 x full colour LCD info displays, 24 mm x 24 mm (size), 240 x 240 px
Meters	4 x 20 segment -36 dBu to +21 dBu

Controls	
100 mm motorized faders	3
Fully assignable rotary controls	8
Fully assignable backlit buttons	8
Phones controls	Min to max, mutable
Talk	Talk gain min to max
Global assignal shortcut buttons	24
Global assignal shortcut buttons (left / right)	2

Power	
Switch-mode power supply	2 x auto-ranging 100-240 V (50/60 Hz)
Power consumption	220 W typical 2 x 350W Max

Physical	
Operating temperature range	5° C to 45° C (41° F – 113° F)
Storage temperature range	-20°C to 60°C (-4°F – 140°F)
Dimensions (H x W x D)	210.5 x 464.5 x 805.8 mm (8.3 x 18.3 x 31.7")
Weight without flight case	16.74 kg (36.83 lbs)
Weight with flight case	29.90 kg (65.78 lbs)

Expansion Accessory Wireless Module

Wi-Fi	
Antenna	Internal & External dual-band
IEEE 802.11a/b/g/n/ac	Supports a/b/g/n/ac device
Frequency range	2.4 GHz (2.4 GHz - 2.4835 GHz) and 5 GHz (5.15 GHz - 5.825 GHz) operation dependent on region
Max output power	18 dBm (using 5 GHz range)
Bluetooth	
Version	5.0 Dual Mode
Power	8 dBm
Compatibility	Supports GAP, SDN, PAN, SPP, IAP, HFP 1.5, GATT, ATTR, IAP, A2DP, ACRP.
Maximum communcation range	30 m typical

技术参数

连接	
模拟 / AES3 输入, 可切换	8 x 3 针 XLR
模拟 / AES3 输出, 可切换	8 x 3 针 XLR
AES50	4 x RJ45
75 Ω 词时钟	2 x BNC
通话 (Talk)	1 x XLR, 平衡
HDMI 1 / 2 (监视器输出)	2 x HDMI

支持的监视器格式	1920 x 1080 p, 59.94 Hz / 60 Hz, 16:9 & 720 x 480 p, 59.94 Hz / 60 Hz
外部 (以太网) 连接器	RJ45 XLR
Snake 1 / 2	2 x 光纤, 2 x 铜缆
USB 端口	8 x USB 3.0, A 型, 5 V = 900 mA 电源
USB 端口 (服务)	2 x micro–USB
USB (顶板)	1 x USB 2.0, A 型, 5 V = 500 mA 电源
扩展接口	2 x 扩展模块插槽
MIDI 输入 / 输出	2 x 5 针 MIDI DIN 插座
灯光 (Lamp)	4 针, 12 VDC / 150 mA 最大值
IEC 电源插座 (带开关)	2
耳机输出 (侧面板)	1 x ¼" TRS, 立体声

输入 / 输出特性	
模拟输入阻抗	10 kΩ
无削波最大输入电平	+24 dBu
输入增益	模拟步进增益 –2.5 dB 至 +45 dB,附加 –40 dB 至 +20 dB 连续数字微调
幻象电源 (每个输入可切换)	+48 V
通话麦克风阻抗	5 kΩ
通话麦克风增益	+15 dB 至 +60 dB
通话麦克风最大电平	+6 dBu
模拟输出阻抗	50 Ω
模拟输出最大电平	+21 dBu
动态范围	106 dB, 22 Hz 至 22 kHz, 未加权
串音 @ 1 kHz	–100 dB (物理相邻输入通道)
串音 @ 10 kHz	–90 dB (物理相邻输入通道)
耳机输出阻抗	10 Ω
耳机最大输出电平	+21 dBu

显示	
显示屏	21" LCD 高亮度 1920 x 1080 像素, 电容式触摸屏, 支持最多 10 点触控
LCD 信息显示	15 x 全彩 LCD 信息显示, 24 mm x 24 mm, 240 x 240 像素
电平表	4 x 20 段, –36 dBu 至 +21 dBu

控制	
100 mm 电动推子	3
完全可分配旋钮控制	8
完全可分配背光按钮	8
耳机控制	最小至最大, 可静音
通话 (Talk)	通话增益最小至最大
全局可分配快捷按钮	24
全局可分配快捷按钮 (左 / 右)	2

电源	
开关模式电源	2 x 自适应 100–240 V (50/60 Hz)
功耗	220 W typical 2 x 350W Max

物理特性	
工作温度范围	5°C 至 45°C (41°F – 113°F)
存储温度范围	–20°C 至 60°C(–4°F – 140°F)
尺寸 (高 x 宽 x 深)	210.5 x 464.5 x 805.8 mm (8.3 x 18.3 x 31.7")
重量 (无航空箱)	16.74 kg (36.83 lbs)
重量 (带航空箱)	29.90 kg (65.78 lbs)

扩展配件无线模块

Wi-Fi	
天线	内部与外部
IEEE 802.11a/b/g/n/ac	支持 a/b/g/n/ac 设备
频率范围	2.4 GHz (2.4 GHz – 2.4835 GHz) 和 5 GHz (5.15 GHz – 5.825 GHz) (具体取决于地区)
最大输出功率	18 dBm (使用 5 GHz 频段)
蓝牙 (Bluetooth)	
版本	5.0 双模
功率	8 dBm
兼容性	支持 GAP、SDN、PAN、SPP、IAP、 HFP 1.5、GATT、ATTR、IAP、A2DP、ACRP
最大通信范围	典型 30 m

Other important information

EN Important information

1. Product Registration

To ensure optimal service and support, we encourage you to register your Music Tribe product immediately after purchase at musictribe.com. Registration allows us to provide faster and more efficient assistance in the event of a service request or warranty claim. It also ensures that you receive important product updates, safety notices, and documentation relevant to your product.

During registration, you will also have access to the full terms and conditions of our Limited Warranty.

Please note that warranty coverage and consumer rights may vary by country or jurisdiction. Refer to the terms applicable in your region at the time of registration or via our support portal.

2. Technical Support and Malfunctions

If you experience a malfunction or require assistance, and a Music Tribe Authorized Reseller is not available in your area, please refer to the list of Authorized Fulfillers available under the "Support" section at musictribe.com.

If your country is not listed, we recommend using our Online Support resources as a first step, which may help resolve your issue without the need for a return. For warranty-related matters, please ensure you submit an online warranty claim before returning the product. Unauthorized returns or unregistered claims may result in processing delays or denial of warranty coverage.

3. Unauthorized Repairs and Modifications

To preserve warranty coverage, do not open, disassemble, or attempt to repair the product yourself. Repairs or modifications performed by unauthorized persons or service centers will void the warranty and may compromise product safety or performance.

Before connecting your unit to a power source, ensure that the input voltage matches the rating indicated on your product. Incorrect voltage may cause permanent damage and void the warranty.

If the fuse requires replacement, only use fuses of the same type and rating. Use of incorrect fuses may create a fire or safety hazard and will invalidate all warranty protection.

4. Proper Use and Environment

Ensure that your Music Tribe product is used in accordance with the product manual and within the recommended operating conditions. Exposure to excessive moisture, dust, heat, or impact may result in malfunction and void the warranty.

ES Aspectos importantes

1. Registro del Producto

Para garantizar un servicio y soporte óptimos, le recomendamos registrar su producto Music Tribe inmediatamente después de la compra en musictribe.com. El registro nos permite brindar asistencia más rápida y eficiente en caso de una solicitud de servicio o reclamación de garantía. También asegura que reciba actualizaciones importantes del producto, avisos de seguridad y documentación relevante para su producto.

Durante el registro, también tendrá acceso a los términos y condiciones completos de nuestra Garantía Limitada.

Tenga en cuenta que la cobertura de la garantía y los derechos del consumidor pueden variar según el país o la jurisdicción. Consulte los términos aplicables en su región en el momento del registro o a través de nuestro portal de soporte.

2. Soporte Técnico y Fallos

Si experimenta una falla o necesita asistencia y no hay un Distribuidor Autorizado de Music Tribe en su área, consulte la lista de Centros Autorizados disponible en la sección "Soporte" en musictribe.com.

Si su país no está en la lista, le recomendamos utilizar nuestros recursos de Soporte en Línea como primer paso, lo que podría ayudarlo a resolver su problema sin necesidad de una devolución. Para asuntos relacionados con la garantía, asegúrese de enviar una reclamación de garantía en línea antes de devolver el producto. Las devoluciones no autorizadas o reclamaciones no registradas pueden resultar en demoras en el procesamiento o en la denegación de la cobertura de garantía.

3. Reparaciones y Modificaciones No Autorizadas

Para mantener la cobertura de garantía, no abra, desmonte ni intente reparar el producto por su cuenta. Las reparaciones o modificaciones realizadas por personas no autorizadas o centros de servicio no autorizados anularán la garantía y pueden comprometer la seguridad o el rendimiento del producto.

Antes de conectar su unidad a una fuente de alimentación, asegúrese de que el voltaje de entrada coincida con el indicado en su producto. Un voltaje incorrecto puede causar daños permanentes y anular la garantía.

Si el fusible necesita ser reemplazado, utilice únicamente fusibles del mismo tipo y clasificación. El uso de fusibles incorrectos puede generar riesgos de incendio o seguridad y anulará toda la protección de garantía.

4. Uso Adecuado y Medio Ambiente

Asegúrese de que su producto Music Tribe se use de acuerdo con el manual del producto y dentro de las condiciones operativas recomendadas. La exposición a humedad excesiva, polvo, calor o impactos puede provocar fallos y anular la garantía.

DE Weitere wichtige Informationen

1. Produktregistrierung

Um optimalen Service und Support zu gewährleisten, empfehlen wir Ihnen, Ihr Music Tribe-Produkt direkt nach dem Kauf unter musictribe.com zu registrieren. Die Registrierung ermöglicht es uns, im Falle einer Serviceanfrage oder Garantieanspruchs schneller und effizienter zu helfen. Sie stellt außerdem sicher, dass Sie wichtige Produktaktualisierungen, Sicherheitshinweise und relevante Dokumentationen erhalten.

Während der Registrierung haben Sie auch Zugriff auf die vollständigen Bedingungen unserer beschränkten Garantie.

Bitte beachten Sie, dass der Garantiumfang und die Verbraucherrechte je nach Land oder Rechtsraum variieren können. Bitte konsultieren Sie die für Ihre Region geltenden Bedingungen zum Zeitpunkt der Registrierung oder über unser Support-Portal.

2. Technischer Support und Fehlfunktionen

Sollten Sie eine Fehlfunktion feststellen oder Unterstützung benötigen und in Ihrer Region kein autorisierter Music Tribe-Händler verfügbar sein, konsultieren Sie bitte die Liste der autorisierten Servicezentren im Bereich "Support" auf musictribe.com.

Falls Ihr Land nicht aufgeführt ist, empfehlen wir die Nutzung unserer Online-Support-Ressourcen als ersten Schritt, da dies Ihr Problem möglicherweise ohne Rücksendung lösen kann. Bei Garantiefragen stellen Sie bitte sicher, dass Sie einen Online-Garantieantrag einreichen, bevor Sie das Produkt zurücksenden. Nicht autorisierte Rücksendungen oder nicht registrierte Ansprüche können zu Verzögerungen oder Ablehnung der Garantieleistung führen.

3. Nicht autorisierte Reparaturen und Modifikationen

Um die Garantieabdeckung zu erhalten, öffnen, zerlegen oder reparieren Sie das Produkt nicht selbst. Reparaturen oder Modifikationen durch nicht autorisierte Personen oder Servicezentren führen zum Erlöschen der Garantie und können die Sicherheit oder Leistung des Produkts beeinträchtigen.

Bevor Sie Ihr Gerät an eine Stromquelle anschließen, stellen Sie sicher, dass die Eingangsspannung der auf dem Produkt angegebenen entspricht. Eine falsche Spannung kann dauerhafte Schäden verursachen und die Garantie erlöschen lassen.

Falls die Sicherung ersetzt werden muss, verwenden Sie nur Sicherungen desselben Typs und derselben Nennwerte. Die Verwendung ungeeigneter Sicherungen kann zu Brand- oder Sicherheitsrisiken führen und hebt den Garantieanspruch auf.

4. Richtige Verwendung und Umgebung

Stellen Sie sicher, dass Ihr Music Tribe-Produkt gemäß dem Produkthandbuch und innerhalb der empfohlenen Betriebsbedingungen verwendet wird. Eine übermäßige Einwirkung von Feuchtigkeit, Staub, Hitze oder Stößen kann zu Fehlfunktionen führen und die Garantie erlöschen lassen.

FR Informations importantes

1. Enregistrement du Produit

Pour garantir un service et un support optimaux, nous vous encourageons à enregistrer votre produit Music Tribe immédiatement après l'achat sur musictribe.com. L'enregistrement nous permet de fournir une assistance plus rapide et plus efficace en cas de demande de service ou de réclamation de garantie. Il garantit également que vous recevrez des mises à jour importantes sur le produit, des avis de sécurité et de la documentation pertinente.

Lors de l'enregistrement, vous aurez également accès aux conditions générales complètes de notre Garantie Limitée.

Veuillez noter que la couverture de la garantie et les droits des consommateurs peuvent varier selon le pays ou la juridiction. Consultez les conditions applicables dans votre région au moment de l'enregistrement ou via notre portail d'assistance.

2. Support Technique et Pannes

Si vous rencontrez une panne ou avez besoin d'assistance et qu'aucun Revendeur Agréé Music Tribe n'est disponible dans votre région, veuillez consulter la liste des Centres Autorisés disponible dans la section "Support" sur musictribe.com.

Si votre pays ne figure pas dans la liste, nous vous recommandons d'utiliser nos ressources de Support en Ligne en premier recours, ce qui pourrait résoudre votre problème sans nécessiter un retour. Pour les questions de garantie, veuillez soumettre une réclamation de garantie en ligne avant de retourner le produit. Les retours non autorisés ou les réclamations non enregistrées peuvent entraîner des retards de traitement ou un refus de couverture de garantie.

3. Réparations et Modifications Non Autorisées

Pour préserver la couverture de garantie, ne démontez pas et ne tentez pas de réparer le produit vous-même. Les réparations ou modifications effectuées par des personnes ou des centres de service non autorisés annuleront la garantie et peuvent compromettre la sécurité ou les performances du produit.

Avant de connecter votre unité à une source d'alimentation, assurez-vous que la tension d'entrée correspond à celle indiquée sur votre produit. Une tension incorrecte peut causer des dommages permanents et annuler la garantie.

Si le fusible doit être remplacé, utilisez uniquement des fusibles du même type et de la même valeur nominale. L'utilisation de fusibles inappropriés peut créer un risque d'incendie ou de sécurité et annulera toute protection de garantie.

4. Utilisation Appropriée et Environnement

Assurez-vous que votre produit Music Tribe est utilisé conformément au manuel du produit et dans les conditions d'exploitation recommandées. Une exposition excessive à l'humidité, à la poussière, à la chaleur ou aux chocs peut entraîner un dysfonctionnement et annuler la garantie.

IT Informazioni importanti

1. Registrazione del Prodotto

Per garantire un servizio e un supporto ottimali, ti invitiamo a registrare il tuo prodotto Music Tribe immediatamente dopo l'acquisto su musictribe.com. La registrazione ci consente di fornire assistenza più rapida ed efficiente in caso di richiesta di servizio o reclamo in garanzia. Garantisce inoltre che tu riceva aggiornamenti importanti sul prodotto, avvisi di sicurezza e documentazione pertinente.

Durante la registrazione, avrai anche accesso ai termini e condizioni completi della nostra Garanzia Limitata.

Si prega di notare che la copertura della garanzia e i diritti dei consumatori possono variare a seconda del paese o della giurisdizione. Consulta i termini applicabili nella tua regione al momento della registrazione o tramite il nostro portale di supporto.

2. Supporto Tecnico e Malfunzionamenti

Se riscontri un malfunzionamento o hai bisogno di assistenza e non è disponibile un Rivenditore Autorizzato Music Tribe nella tua zona, consulta l'elenco dei Centri Autorizzati nella sezione "Supporto" su musictribe.com.

Se il tuo paese non è elencato, ti consigliamo di utilizzare le nostre risorse di Supporto Online come primo passo, poiché potrebbero aiutarti a risolvere il problema senza la necessità di un reso. Per questioni relative alla garanzia, assicurati di inviare una richiesta di garanzia online prima di restituire il prodotto. I resi non autorizzati o le richieste non registrate possono causare ritardi nell'elaborazione o il rifiuto della copertura della garanzia.

3. Riparazioni e Modifiche Non Autorizzate

Per mantenere la copertura della garanzia, non aprire, smontare o tentare di riparare il prodotto da solo. Le riparazioni o modifiche effettuate da persone o centri di assistenza non autorizzati annulleranno la garanzia e potrebbero compromettere la sicurezza o le prestazioni del prodotto.

Prima di collegare l'unità a una fonte di alimentazione, assicurati che la tensione di ingresso corrisponda a quella indicata sul prodotto. Una tensione errata può causare danni permanenti e annullare la garanzia.

Se è necessario sostituire il fusibile, utilizzare solo fusibili dello stesso tipo e valore nominale. L'uso di fusibili errati può creare un rischio di incendio o sicurezza e invaliderà tutta la protezione della garanzia.

4. Uso Adeguato e Ambiente

Assicurati che il tuo prodotto Music Tribe venga utilizzato in conformità con il manuale del prodotto e nelle condizioni operative consigliate. L'esposizione a umidità eccessiva, polvere, calore o urti può causare malfunzionamenti e annullare la garanzia.

NL Belangrijke informatie

1. Productregistratie

Om optimale service en ondersteuning te garanderen, raden we u aan om uw Music Tribe-product direct na aankoop te registreren op musictribe.com. Registratie stelt ons in staat om sneller en efficiënter hulp te bieden bij een serviceverzoek of garantieclaim. U ontvangt ook belangrijke productupdates, veiligheidswaarschuwingen en relevante documentatie.

Tijdens de registratie krijgt u ook toegang tot de volledige voorwaarden van onze Beperkte Garantie.

Houd er rekening mee dat garantievoorwaarden en consumentenrechten per land of rechtsgebied kunnen verschillen. Raadpleeg de toepasselijke voorwaarden in uw regio op het moment van registratie of via ons supportportaal.

2. Technische Ondersteuning en Storingen

Als u een storing ervaart of hulp nodig heeft en er geen geautoriseerde Music Tribe-verkoper in uw regio beschikbaar is, raadpleeg dan de lijst met geautoriseerde servicecentra in de sectie "Support" op musictribe.com.

Als uw land niet is vermeld, raden we aan om eerst onze online ondersteuningsbronnen te gebruiken, omdat deze mogelijk uw probleem kunnen oplossen zonder dat een retourzending nodig is. Voor garantiekwesties dient u een online garantieclaim in te dienen voordat u het product retourneert. Niet-geautoriseerde retourzendingen of niet-geregistreerde claims kunnen vertragingen veroorzaken of de garantie ongeldig maken.

3. Niet-geautoriseerde Reparaties en Wijzigingen

Om de garantie te behouden, mag u het product niet openen, demonteren of zelf proberen te repareren. Reparaties of wijzigingen uitgevoerd door niet-geautoriseerde personen of servicecentra zullen de garantie ongeldig maken en kunnen de veiligheid of prestaties van het product in gevaar brengen.

Controleer vóór het aansluiten op een stroombron of de ingangsspanning overeenkomt met de waarde die op uw product is aangegeven. Een verkeerde spanning kan permanente schade veroorzaken en de garantie ongeldig maken.

Als de zekering vervangen moet worden, gebruik dan alleen zekeringen van hetzelfde type en dezelfde specificatie. Het gebruik van onjuiste zekeringen kan brand- of veiligheidsrisico's veroorzaken en zal de garantie laten vervallen.

4. Juiste Gebruik en Omgeving

Zorg ervoor dat uw Music Tribe-product wordt gebruikt volgens de handleiding en binnen de aanbevolen bedrijfsomstandigheden. Blootstelling aan overmatige vochtigheid, stof, hitte of schokken kan storingen veroorzaken en de garantie ongeldig maken.

EN

ES

DE

FR

IT

NL

Other important information

PL Ważna informacja

1. Rejestracja Produktu

Aby zapewnić optymalną obsługę i wsparcie, zalecamy rejestrację produktu Music Tribe zaraz po zakupie na stronie musictribe.com. Rejestracja umożliwia nam szybszą i bardziej efektywną pomoc w przypadku zgłoszenia serwisowego lub roszczenia gwarancyjnego. Gwarantuje również otrzymywanie ważnych aktualizacji produktu, powiadomień o bezpieczeństwie i istotnej dokumentacji.

Podczas rejestracji uzyskasz również dostęp do pełnych warunków naszej Ograniczonej Gwarancji.

Należy pamiętać, że zakres gwarancji i prawa konsumenckie mogą się różnić w zależności od kraju lub jurysdykcji. Sprawdź warunki obowiązujące w Twoim regionie w momencie rejestracji lub poprzez nasz portal wsparcia.

2. Wsparcie Techniczne i Awarie

Jeśli doświadczasz awarii lub potrzebujesz pomocy, a autoryzowany sprzedawca Music Tribe nie jest dostępny w Twoim regionie, zapoznaj się z listą autoryzowanych serwisów w sekcji „Wsparcie” na stronie musictribe.com.

Jeśli Twojego kraju nie ma na liście, zalecamy w pierwszej kolejności skorzystanie z naszych zasobów wsparcia online, które mogą pomóc w rozwiązaniu problemu bez konieczności zwrotu produktu. W przypadku kwestii gwarancyjnych należy złożyć internetowe zgłoszenie gwarancyjne przed odesłaniem produktu. Nieautoryzowane zwroty lub niezgłoszone roszczenia mogą powodować opóźnienia w procesie lub odrzucenie gwarancji.

3. Nieautoryzowane Naprawy i Modyfikacje

Aby zachować gwarancję, nie otwieraj, nie demontuj ani nie próbuj samodzielnie naprawiać produktu. Naprawy lub modyfikacje przeprowadzane przez nieautoryzowane osoby lub serwisy unieważniają gwarancję i mogą wpłynąć na bezpieczeństwo lub wydajność produktu.

Przed podłączeniem urządzenia do źródła zasilania upewnij się, że napięcie wejściowe odpowiada wartości podanej na produkcie. Nieprawidłowe napięcie może spowodować trwałe uszkodzenie i unieważnienie gwarancji.

Jeśli konieczna jest wymiana bezpiecznika, używaj wyłącznie bezpieczników o tym samym typie i parametrach. Użycie nieprawidłowych bezpieczników może powodować zagrożenie pożarowe lub bezpieczeństwa i spowoduje utratę ochrony gwarancyjnej.

4. Prawidłowe Użytkowanie i Środowisko

Upewnij się, że produkt Music Tribe jest używany zgodnie z instrukcją obsługi i w zalecanych warunkach eksploatacji. Narażenie na nadmierną wilgoć, kurz, ciepło lub uderzenia może prowadzić do awarii i unieważnienia gwarancji.

PT Outras Informações Importantes

1. Registro do Produto

Para garantir um serviço e suporte ideais, recomendamos que você registre seu produto Music Tribe imediatamente após a compra em musictribe.com. O registro nos permite fornecer assistência mais rápida e eficiente em caso de solicitação de serviço ou reivindicação de garantia. Também garante que você receba atualizações importantes do produto, avisos de segurança e documentação relevante.

Durante o registro, você também terá acesso aos termos e condições completos da nossa Garantia Limitada.

Observe que a cobertura da garantia e os direitos do consumidor podem variar de acordo com o país ou jurisdição. Consulte os termos aplicáveis à sua região no momento do registro ou através do nosso portal de suporte.

2. Suporte Técnico e Falhas

Se você encontrar um problema ou precisar de assistência e não houver um Revendedor Autorizado Music Tribe disponível em sua região, consulte a lista de Centros Autorizados na seção "Suporte" em musictribe.com.

Se o seu país não estiver na lista, recomendamos o uso dos nossos recursos de Suporte Online como primeiro passo, pois isso pode ajudar a resolver o seu problema sem a necessidade de devolução. Para questões de garantia, certifique-se de enviar uma solicitação de garantia online antes de devolver o produto. Devoluções não autorizadas ou reivindicações não registradas podem causar atrasos no processamento ou recusa na cobertura da garantia.

3. Reparos e Modificações Não Autorizados

Para manter a cobertura da garantia, não abra, desmonte ou tente reparar o produto por conta própria. Reparos ou modificações feitas por pessoas não autorizadas ou centros de serviço não autorizados anularão a garantia e podem comprometer a segurança ou o desempenho do produto.

Antes de conectar sua unidade a uma fonte de energia, certifique-se de que a voltagem de entrada corresponde à indicada no produto. Voltagem incorreta pode causar danos permanentes e anular a garantia.

Se for necessário substituir o fusível, use apenas fusíveis do mesmo tipo e classificação. O uso de fusíveis incorretos pode criar risco de incêndio ou segurança e invalidará toda a proteção da garantia.

4. Uso Adequado e Ambiente

Certifique-se de que seu produto Music Tribe seja usado de acordo com o manual do produto e dentro das condições de operação recomendadas. Exposição excessiva à umidade, poeira, calor ou impacto pode causar falhas e anular a garantia.

SV Viktigt information

1. Produktregistrering

För att säkerställa optimal service och support rekommenderar vi att du registrerar din Music Tribe-produkt omedelbart efter köpet på musictribe.com. Registreringen gör det möjligt för oss att ge snabbare och effektivare support vid serviceförfrågningar eller garantianspråk. Du får även viktiga produktuppdateringar, säkerhetsmeddelanden och relevant dokumentation.

Vid registreringen får du också tillgång till de fullständiga villkoren för vår Begränsade Garanti.

Observera att garantitäckning och konsumenträttigheter kan variera beroende på land eller jurisdiktion. Se de villkor som gäller i din region vid registreringen eller via vår supportportal.

2. Teknisk Support och Fel

Om du upplever ett fel eller behöver hjälp och en auktoriserad Music Tribe-återförsäljare inte är tillgänglig i ditt område, vänligen se listan över auktoriserade servicecenter under avsnittet "Support" på musictribe.com.

Om ditt land inte finns med på listan rekommenderar vi att du först använder våra online-supportresurser, eftersom de kan hjälpa dig att lösa problemet utan att behöva returnera produkten. För garantiärenden, se till att skicka in ett online-garantianspråk innan du returnerar produkten. Obehöriga retur eller icke-registrerade anspråk kan leda till förseningar eller avslag på garantitäckning.

3. Obehöriga Reparationer och Modifieringar

För att behålla garantin ska du inte öppna, demontera eller försöka reparera produkten själv. Reparationer eller modifieringar som utförs av obehöriga personer eller servicecenter gör garantin ogiltig och kan påverka produktens säkerhet eller prestanda.

Innan du ansluter enheten till en strömkälla, se till att ingångsspänningen matchar den som anges på produkten. Felaktig spänning kan orsaka permanent skada och ogiltigförklara garantin.

Om säkringen behöver bytas ut, använd endast säkringar av samma typ och klassificering. Användning av felaktiga säkringar kan orsaka brand- eller säkerhetsrisker och upphäver all garantitäckning.

4. Rätt Användning och Miljö

Se till att din Music Tribe-produkt används enligt produktmanualen och inom de rekommenderade driftförhållandena. Exponering för överdriven fukt, damm, värme eller stötar kan leda till fel och göra garantin ogiltig.

JP その他の重要な情報

1. 製品登録

最適なサービスとサポートを確保するため、購入後すぐに musictribe.com で Music Tribe 製品を登録することをお勧めします。登録することで、サービスリクエストや保証請求の際に迅速かつ効率的なサポートを受けることができます。また、重要な製品アップデート、安全通知、および関連するドキュメントも受け取ることができます。

登録時には、限定保証の全条件にもアクセスできます。

保証の適用範囲や消費者の権利は、国や地域によって異なる場合があります。登録時またはサポートポータルで、お住まいの地域に適用される条件を確認してください。

2. 技術サポートと不具合

製品の不具合が発生したりサポートが必要な場合、お住まいの地域に Music Tribe 認定販売店がない場合は、musictribe.com の「サポート」セクションに記載されている認定サービス提供者のリストをご確認ください。

お住まいの国がリストにない場合、まずはオンラインサポートの利用をお勧めします。これにより、返品せずに問題を解決できる可能性があります。保証に関する問題については、製品を返送する前に必ずオンライン保証請求を提出してください。未承認の返品や未登録の請求は、処理の遅延や保証の拒否につながる可能性があります。

3. 非認可の修理および改造

保証を維持するために、製品を開封、分解、または自分で修理しないでください。非認可の人物やサービスセンターによって行われた修理や改造は、保証を無効にし、製品の安全性や性能に影響を及ぼす可能性があります。

電源に接続する前に、入力電圧が製品に記載されている定格と一致していることを確認してください。不適切な電圧は、製品の損傷や保証の無効化につながる可能性があります。

ヒューズを交換する必要がある場合は、必ず同じ種類と定格のヒューズを使用してください。不適切なヒューズの使用は、火災や安全上のリスクを引き起こし、すべての保証が無効になります。

4. 適切な使用と環境

Music Tribe 製品は、取扱説明書に従い、推奨される動作条件内で使用してください。過度の湿気、ほこり、熱、衝撃への暴露は故障の原因となり、保証が無効になる可能性があります。

CN 其他的重要信息

1. 产品注册

为了确保最佳的服务和支持, 我们建议您在购买后立即在 musictribe.com 注册您的 Music Tribe 产品。注册后, 我们可以更快、更高效地协助您处理服务请求或保修索赔。此外, 您还可以收到重要的产品更新、安全通知和相关文档。

在注册过程中, 您还可以访问完整的有限保修条款和条件。

请注意, 保修范围和消费者权益可能因国家或地区而有所不同。请在注册时或通过我们的支持门户查询适用于您所在地区的条款。

2. 技术支持与故障处理

如果您的设备发生故障或需要帮助, 并且您所在地区没有 Music Tribe 授权经销商, 请在 musictribe.com 的“支持”部分查阅授权服务提供商列表。

如果您的国家不在列表中, 我们建议您首先使用在线支持资源, 这可能有助于在无需退货的情况下解决问题。对于保修相关事宜, 请在退回产品之前确保提交在线保修索赔。未经授权的退货或未注册的索赔可能导致处理延误或保修无效。

3. 未授权维修与修改

为了保持保修有效, 请勿自行拆卸、分解或维修产品。未经授权的人员或服务中心进行的维修或修改将导致保修失效, 并可能影响产品的安全性或性能。

在连接电源之前, 请确保输入电压与产品上标注的额定电压匹配。不正确的电压可能会导致永久性损坏并使保修失效。

如果需要更换保险丝, 请仅使用相同类型和额定值的保险丝。使用不正确的保险丝可能会导致火灾或安全隐患, 并使所有保修无效。

4. 正确使用与环境

请确保您的 Music Tribe 产品按照产品手册使用, 并在推荐的操作条件下运行。暴露于过度潮湿、灰尘、高温或冲击可能会导致故障并使保修失效。

FEDERAL COMMUNICATIONS
COMMISSION COMPLIANCE
INFORMATION

Midas

HD96-AIR

Responsible Party Name: Empower Tribe Innovations
US Inc.

Address: 901 Grier Dr. Las Vegas, NV,
89119, USA

Email Address: legal@musictribe.com

HD96-AIR, HD96-AIR-CC-TP and HD96-AIR-CC-IP

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.

Warning: Operation of this equipment in a residential environment could cause radio interference.

Important information:
Changes or modifications to the equipment not expressly approved by Music Tribe can void the user’s authority to use the equipment.



Hereby, Music Tribe declares that this product is in compliance with Directive 2014/35/EU, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.

Full text of EU DoC is available at <https://community.musictribe.com/>

EU Representative: Empower Tribe Innovations DE GmbH
Address: Otto-Brenner-Strasse 4a, 47877 Willich, Germany

UK Representative: Empower Tribe Innovations UK Ltd.
Address: 5 Brindley Road Old Trafford, Manchester, United Kingdom, M16 9UN



Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office, or your household waste collection service.

