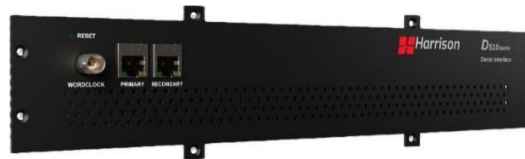
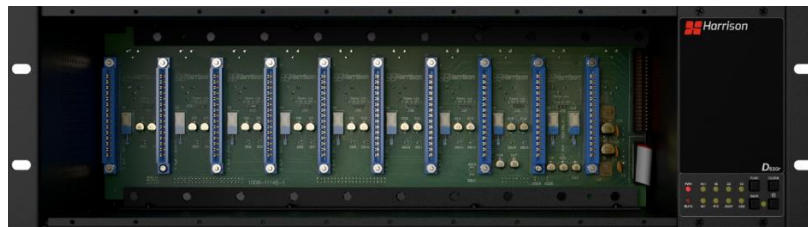




D510r - D510dante - D510mx - D510ua

User Guide



www.harrisonaudio.com



Nashville - Music City USA

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PLEASE READ ALL INSTRUCTIONS, PAY SPECIAL HEED TO SAFETY WARNINGS.

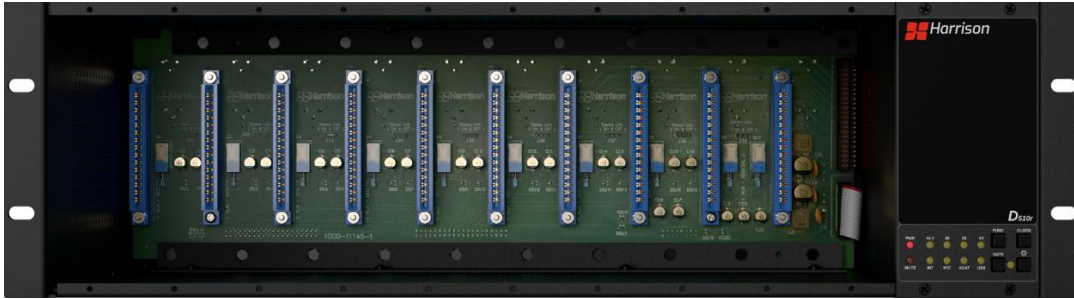
October 2025

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Overview D510r



D510r Introduction

The D510r is a 19" 3 RU rack unit designed to house up to 10 standard 500 series modules. The D510r is designed to house the most power-hungry modules and ensure the full performance of those modules. The D510r includes a built-in power supply with sufficient current to handle any complement of 500 series modules. The D510r is a part of a series of products from Harrison that provide analog mixing, digital interfacing in a variety of formats including Dante along with a range of Harrison individual 500 series modules. Please see information in this manual regarding the following optional products offered by Harrison to compliment the D510r system.

D510mx (analog mixer module)

D510dante (Dante interface module)

Features

- Rugged construction
- 10 standard 500 series slots
- Built in PSU
- Link switch between odd and even slots
- Standard XLR inputs and outputs

Installation

Unpacking

The unit has been carefully packed and inside the box you will find the following items.

- D510r
- IEC power cord for your country
- Safety Sheet

It is always a good idea to save the original box and packing just in case you ever need to send the unit in for service.

Rack Mounting, Heat and Ventilation

The D510r is a 3U, 19" rackmount piece of equipment designed to sit in the racking of a producer's desk or similar. It is recommended that ventilation space is left above and below the unit so any heat generated by the D510r or other equipment mounted above or below the D510r can naturally disperse. Always allow the unit to cool down before handling.

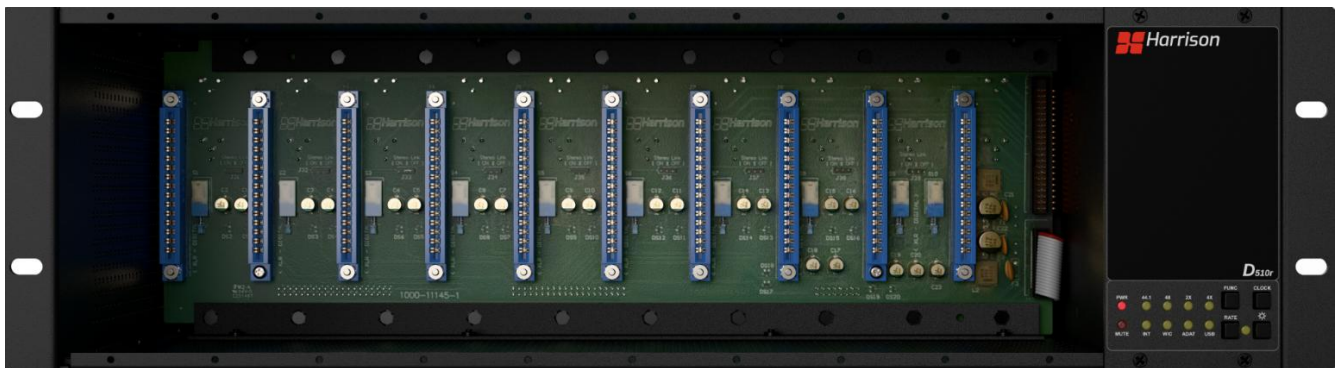
Safety Notices

Please read the safety notice information included on the Safety Sheet inside the box before using the D510r. This information is also available in Appendices section of this User Guide.

Hardware Overview

This section provides an overview of the D510r hardware. The tutorial section covers each control in more detail.

Front View



Rear View



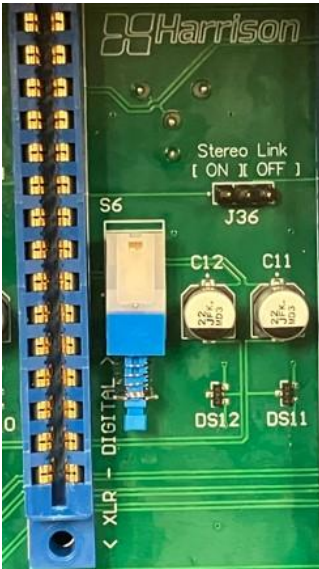
Tutorial

Power On



Power on the unit by toggling the power switch (far right end of the D510r) to the up (I) position. Power off the unit by toggling the power switch down to the (O) position.

Front Slot Controls



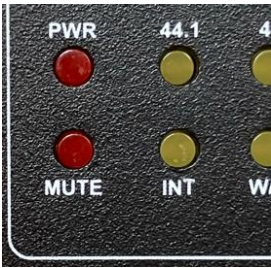
< XLR – DIGITAL > Switch

The XLR – DIGITAL switch provided for each slot selected the audio source for the associated 500 slot. When the switch is depressed (up position) the source for the associated 500 slot will be the associated DA converter from the D510dante unit. When the switch is not depressed (down position) the source for the associated 500 slot is the rear XLR input connector.

Stereo Link Jumper

A Stereo Link jumper is provided that allows the input source of an odd number slot to be “linked” to the input of the adjacent even slot. The ON jumper position links the input sources, the OFF position leaves them independent.

Status Panel LEDs



PWR LED

The PWR LED illuminates when the D510r is powered on.

MUTE LED

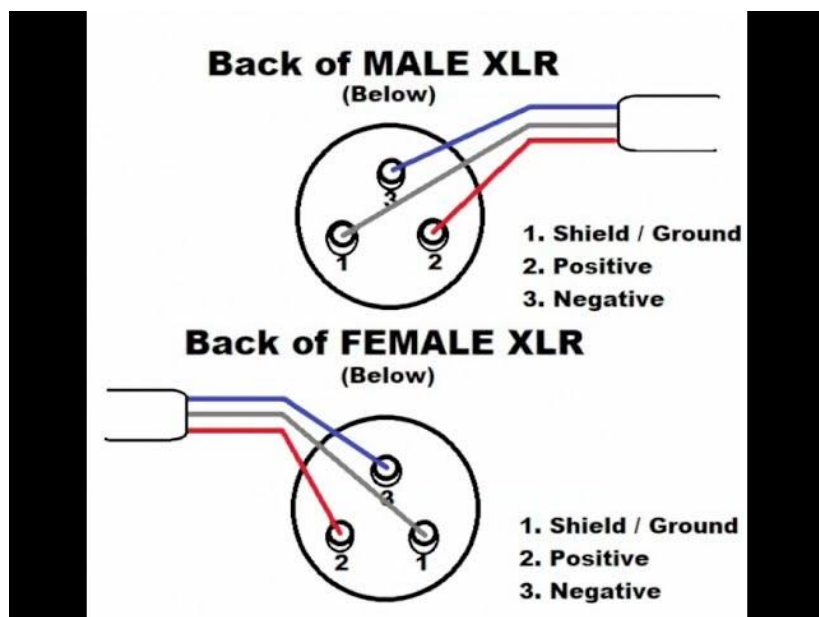
The MUTE LED illuminates when the optional D510dante interface is not connected to a network.

Rear Connectors



Input / Output XLR Connectors

Each 500 slot has a corresponding female XLR input and male XLR output connector associated with the slot.



XLR Pinout Diagram

Specifications

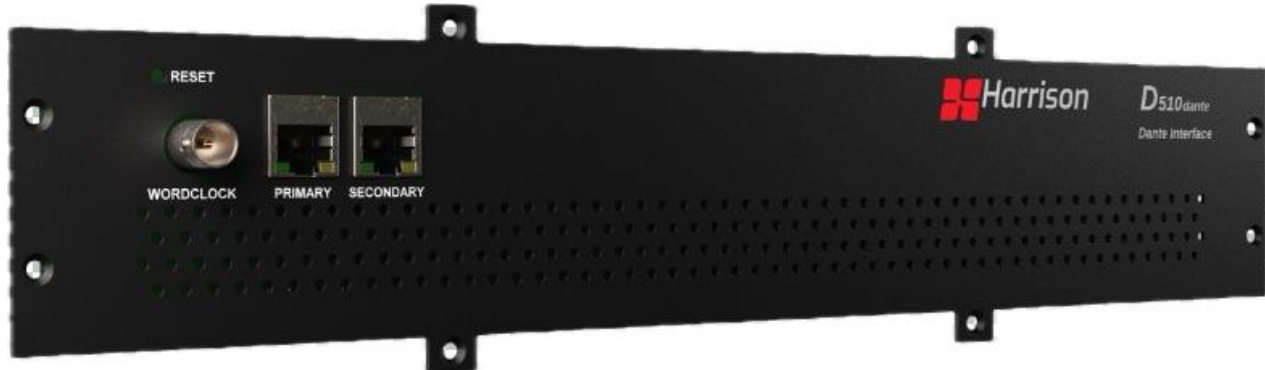
Dimensions: L = Standard (19") x H = 3RU (5.25") x D = (7.2")

Power Input: 50/60Hz / 80-246VAC / 1.8 -0.55A

Power Per Slot: 170ma

Weight: 10.4 LBS (4.72kg)

Overview D510dante



D510dante Introduction

One of the advanced and unique features of the Harrison D510r 500 rack unit is the ability to add a D510dante interface card which includes A/D and D/A converters via a Dante interface providing a direct Ethernet interface to a DAW or other Dante network such as for live performance applications.

The D510dante interfaces can carry up to 10 input by 14 output channels at 44.1/48 KHz sampling rate up to 88.2/96 KHz sampling rate. Because the D510r can be fitted with up to ten 500 series modules the D510dante interface is laid out with 10 AD converters and DA converters one pair for each of the ten 500 slots.

There are an additional four DA converters provided for future use.

These inputs and outputs are combined by an integrated Ethernet switch to result in a single Ethernet interface to a DAW or other Dante network such as in a live performance infrastructure. The D510r with a D510di installed will appear as single device on the Dante network with a primary / secondary redundant configuration.

Features

- Rugged construction
- 10 AD converters to Dante (one per slot)
- 10 DA converters from Dante (one per slot)
- 4 additional DA converters for future use
- Standard RJ45 Ethernet connectors



D510dante module installed in D510r

Installation

Unpacking

The unit has been carefully packed and inside the box you will find the following items.

- D510dante
- 8 M3 x 6mm Countersunk Pozidriv Screws
- Safety Sheet

It is always a good idea to save the original box and packing just in case you ever need to send the unit in for service.

Safety Notices

Please read the safety notice information included on the Safety Sheet inside the box before using the D510dante. This information is also available in Appendices section of this User Guide.

Introduction

This document provides instructions for installing the D510dante Interface. The D510dante is an upgrade for the D510r that attaches to the back panel and enables Dante connectivity.



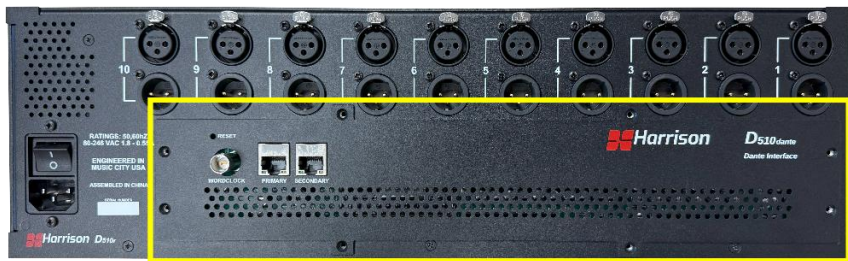
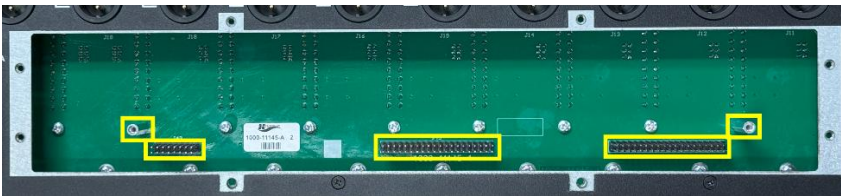
Step 1

Remove the blank plate from the back of the D510r by removing the 8 screws.



Step 2

Install the D510dante into the back of the D510r. Make sure to line up all pins and guideposts.



Step 3

Install the 8 included screws.



Tutorial

Inputs and Outputs

Analog input and outputs are nominal +4 dBu level. The converters are directly interfaced to the Dante interface module. Supporting the Dante module is a multiport Ethernet switch with integrated Gigabit Ethernet PHYs. Two Ethernet connections are provided on RJ45 jacks and are configured by the Dante module to operate as a hub/switch a primary / secondary redundant mode.

Typical interconnection of the D510dante provide a single Ethernet link to the DAW or other network infrastructure and use an external hub/switch to connect to the network.

It is recommended that a Gigabit Ethernet (1000-BASE-T) network is used, with a Gigabit Ethernet port on the DAW or network end and a Gigabit Ethernet external switch (if used), all connected with high quality CAT5E or CAT6 cables.

Dante Wordclock

On Dante networks, almost any device on the network may be specified in the Dante network management software as the wordclock master. In typical setups the console might be a wordclock slave to another device on the Dante network such as an I/O device, or might itself be the wordclock master.

Should the user choose to have the D510dante module as the network clock master, the D510dante module Dante can be designated the network wordclock master using its internal clock.

A BNC connector is provided on the D510dante module for connection of a TTL wordclock. While not absolutely standardized, guidelines for TTL wordclocks can be found in AES standard AES-11. The recommendations specify 75 ohm coax cabling and terminations. This connector is unterminated, so the required 75 ohm terminating resistor would have to be supplied externally. Note that there are 2 types of BNC connectors, with 75 and 50 ohm impedances. The 75 ohm type is used on the D510dante module and should be connected using the matching type of connector, coax cable and terminating resistor.

Dante Channel Assignments

The D510dante module is supplied with the Dante connections prewired. The following table lists the standard Dante connections provided.

Slot 01 In	Slot 01 Out
Slot 02 In	Slot 02 Out
Slot 03 In	Slot 03 Out
Slot 04 In	Slot 04 Out
Slot 05 In	Slot 05 Out
Slot 06 In	Slot 06 Out
Slot 07 In	Slot 07 Out
Slot 08 In	Slot 08 Out
Slot 09 In	Slot 09 Out
Slot 10 In	Slot 10 Out
Mixer PC 1 In	
Mixer PC 2 In	
Mixer PC 3 In	
Mixer PC 4 In	

Dante Controller software permits renaming of the Dante signals on the Dante Controller router page. This is left to the user if the standard signal naming needs to be changed to suit a particular studio installation.

Specifications

General

10 Inputs

14 Outputs

AKM ADC

AKM DAC

ADC

THD+N, 1kHz 24dBu: < 0.0008%

Noise A-Weighted: < -95 dBu

Frequency Response: 20 Hz – 20 KHz +/- 0.25 dB

DAC

THD+N, 1kHz 18dBu: < 0.006%

Noise A-Weighted: < -85 dBu

Frequency Response: 20 Hz – 20 KHz +/- 0.25 dB

Connectors

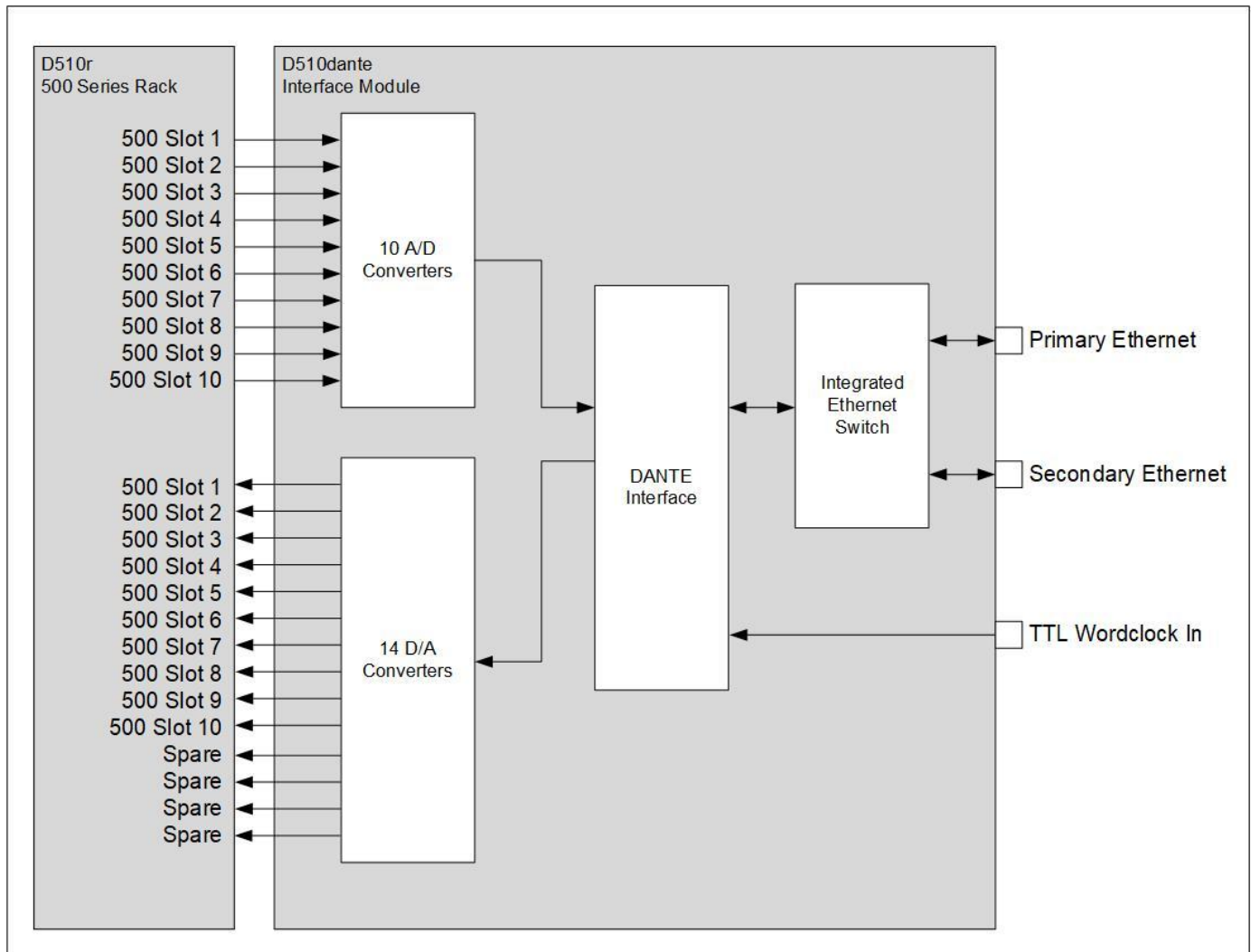
2 x RJ45 Network Ports (Primary and Secondary)

BNC TTL Wordclock

Latency

DA + AD <> Dante - 48kHz and 96kHz = 43.2 samples ([0.9ms@48kHz](#), [0.45ms@96kHz](#))

D510dante Block Diagram



Overview D510ua



D510ua Introduction

One of the advanced and unique features of the Harrison D510r 500 rack unit is the ability to add a D510ua interface card which includes A/D and D/A converters via ADAT and USB for interfacing to a DAW.

The D510ua interface can carry up to 10 input by 14 output channels at 44.1/48 KHz sampling rate up to 88.2/96 KHz sampling rate. Because the D510r can be fitted with up to ten 500 series modules the D510ua interface is laid out with 10 AD and DA converters one pair for each of the ten 500 slots which can be fed to a DAW via ADAT or USB. At high sample rates there are some limitations... when sample rates 176.4kHz and 192kHz are used, the D510ua can only support 10 channels over USB.

The analog input and output sources are selectable in groups of 8 to feed either ADAT or USB via front panel controls on the D510r rack unit.

Features

- Rugged construction
- 10 AD converters to ADAT or USB (selectable)
- 10 DA converters from ADAT or USB (selectable)
- 4 additional DA converters for future use
- Standard ADAT optical connectors and USB-C connectors
- Standard BNC Work Clock Connectors
- Front panel clock and source selections, and status display



D510ua module installed in D510r

Installation

Unpacking

The unit has been carefully packed and inside the box you will find the following items.

- D510ua
- 8 M3 x 6mm Countersunk Pozidriv Screws
- Safety Sheet

It is always a good idea to save the original box and packing just on case you ever need to send the unit in for service.

Safety Notices

Please read the safety notice information included on the Safety Sheet inside the box before using the D510ua. This information is also available in the Appendices section of this User Guide.

Introduction

This document provides instructions for installing the D510ua Interface. The D510ua is an upgrade for the D510r that attaches to the back panel and enables ADAT and USB connectivity.



Step 1

Remove the blank plate from the back of the D510r by removing the 8 screws.



Step 2

Install the D510ua into the back of the D510r. Make sure to line up all pins and guideposts.



Step 3

Install the 8 included screws.



Tutorial

Inputs and Outputs

Analog inputs and outputs are nominal +4 dBu level. The converters are directly interfaced to the ADAT / USB interface module. Interconnections are made via standard ADAT optical input and output connectors and a USB-C connector. Separate BNC connectors are provided for use with external word clock.

Clocking

If connected to USB, the front panel controls for Clock and Rate are locked out and must be controlled from the host computer. The USB light is on in this case.

If the selected clock source is not correctly connected, the relevant LED (INT, W/C, or ADAT) will blink continuously until the connection is made.



Audio Routing

Since ADAT can be used in 2 different manners, there is a setting to adjust the audio routing for the ADAT ports.

1. Press the * key to enter the settings menu.
2. In the settings menu – the settings LED in between RATE and * is lit. With default settings, 44.1 and 48 are ON.
3. Pressing the FUNC key will toggle the “D/A Source”. This is indicated by the 44.1 LED: OFF means ADAT; ON means USB.
4. Pressing the CLOCK key will toggle “ADAT Source”. This is indicated by the 48 LED: OFF means A/D; ON means USB.
5. Press the * key to exit the settings menu. The LEDs then indicate Sample Rate and Clock Selection as usual.

Specifications

General

10 Inputs

14 Outputs

AKM ADC

AKM DAC

Performance

Unless specified otherwise, default test configuration:

Sample Rate: 48kHz, Bandwidth: 20 Hz to 20 kHz

Measurement device output impedance: 40 Ω (20 Ω unbalanced)

Measurement device input impedance: 200 k Ω (100 k Ω unbalanced)

Unless otherwise quoted all figures have a tolerance of $\pm 0.5\text{dB}$ or 5%

Line Inputs

Frequency Response: $\pm 0.05\text{ dB}$

Dynamic Range (A-Weighted): 120 dB

THD+N (@ 1kHz): -104 dB / < 0.0007 % @ -1 dBFS

Maximum Input Level: +24 dBu

Input Impedance: 10 k Ω

Line Outputs

Frequency Response: $\pm 0.05\text{ dB}$

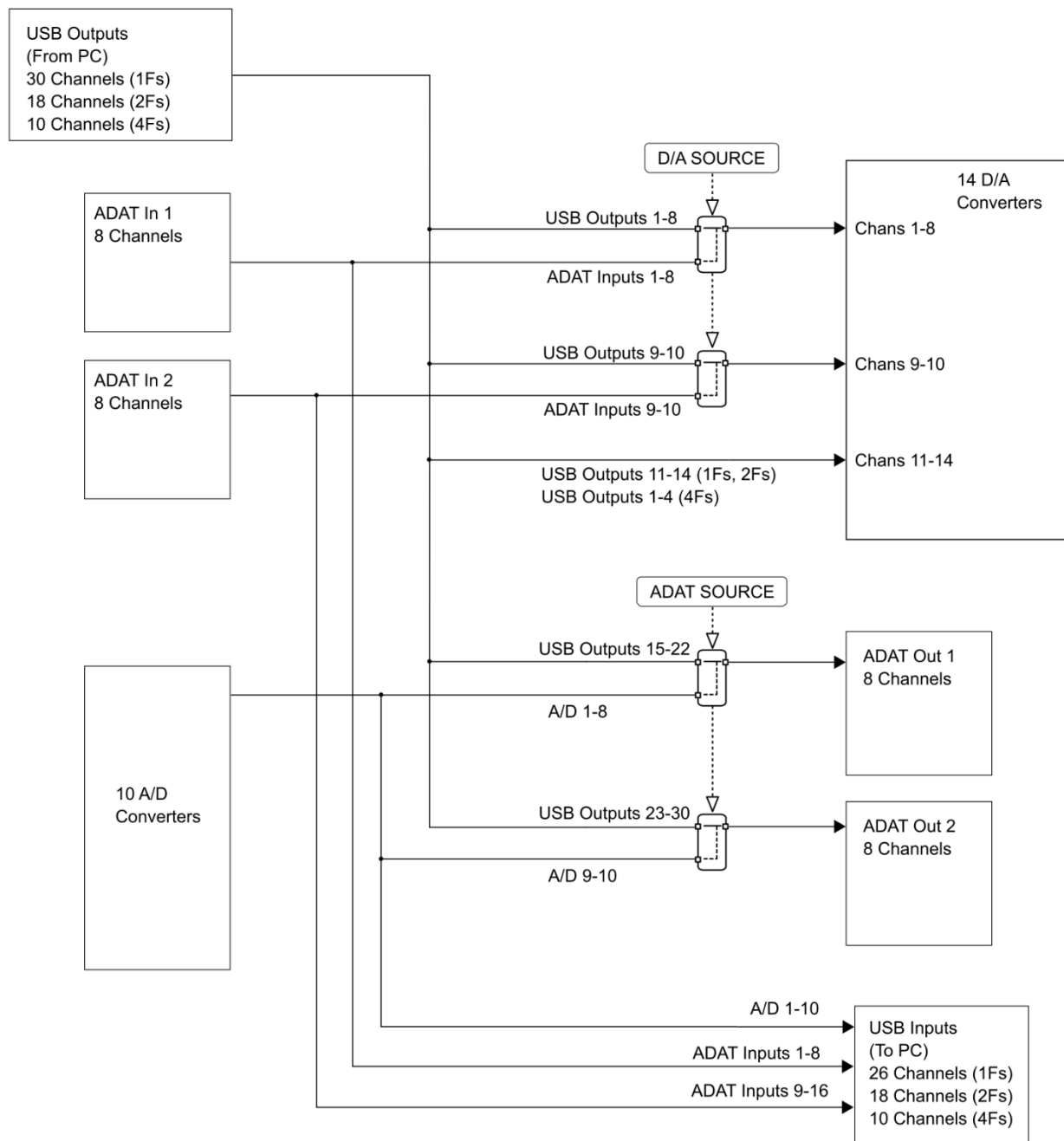
Dynamic Range (A-Weighted): 118 dB

THD+N (@ 1kHz): -108 dB / < 0.0004% @ -1dBFS

Maximum Output Level: +23.8 dBu

Output Impedance: 150 Ω

D510ua Block Diagram



D510ua Driver Installation

Mac

Mac does not require drivers to be installed because ALPHA 8 is a class-compliant USB Audio 2.0 device. ALPHA 8 will show up as a USB Audio device using the inbuilt Core Audio driver. Simply select ALPHA 8 in System Preferences / your DAW to use it as an audio interface.

Windows Only

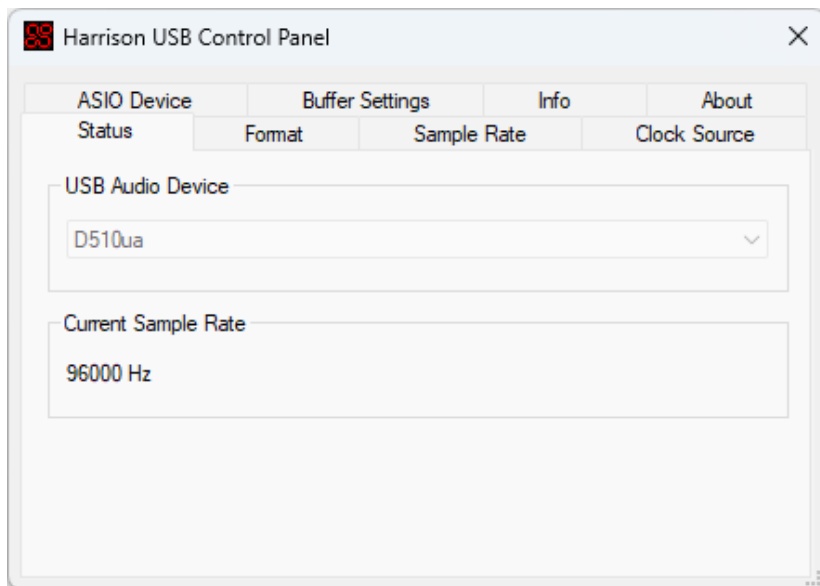
1. Connect your Harrison D510ua USB audio interface to your computer using a USB Type-C cable.
2. Download and install the [Harrison USB Audio ASIO/WDM Windows Driver Downloads – Harrison Audio](#) for your Harrison D510ua.
3. Other FAQ's [500 Rack – Harrison Audio](#)

Harrison USB Control Panel (Windows Only)

After installing the driver, the Harrison USB Control Panel application will be available onto your computer.

This Control Panel will report details such as what Sample Rate and Buffer Size. Please note that both Sample Rate and Buffer Size will be taken control of by your DAW when it is opened. The Harrison USB Control also allows access to Clock source settings - internal clock or ADAT (Optical 1).

The Control Panel is also where you need to assign your Harrison D510ua to an instance of the ASIO Driver (1-4). This allows multiple ASIO applications working with multiple Harrison USB devices to be used on a single system or in a multi-client environment.



Safe Mode

In the Control Panel there is a tickbox for Safe Mode on the 'Buffer Settings' tab. Safe mode defaults to ticked but can be unticked. Unticking Safe Mode will reduce the overall Output Latency of the device, which may be useful if you are looking to achieve the lowest possible roundtrip latency in your recording. However, unticking this may cause unexpected audio clicks/pops if your system is under strain.

Overview D510mx



D510mx Introduction

Another of the advanced and unique features of the Harrison D510r 500 rack unit is ability to add a D510mx “mixer” interface module providing an integrated 10 x 2 analog mixer to the 510r rack.

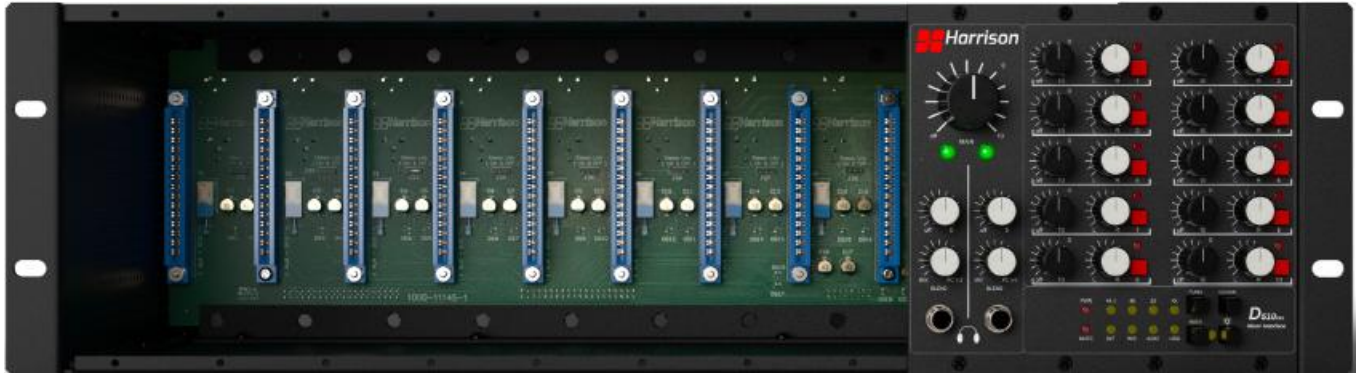
When the D510mx is installed in the D510r rack, eight 500 series module slots are available for any combination of 500 series modules. The outputs from each 500 module slot feed the first 8 inputs to the D510mx. Inputs 9 and 10 to the D510mx are fed from the 9th and 10th slot input XLR connectors on the rear of the D510r rack. Each input to the D510mx has a level, pan and stereo bus routing switch. These controls allow a stereo mix to be created in conjunction with the individual 500 slot outputs.

A Main stereo output level control with metering LEDs, and 2 front panel headphone feeds round out the D510mx functionality.

The D510mx combined with the D510r turns the D510 system into an analog summing mixer. Combining the D510r, D510dante and the D510mx turns the D510 system into a powerful computer interface utilizing your favorite 500 series modules as the input sources.

Features

- Rugged construction
- 10 inputs (8 from slots 1-8, 9 and 10 from the rear XLR inputs)
- Level, pan and routing control for each input
- Main stereo output with level control and metering LEDs
- 2 x front panel headphone outputs.



D510mx module installed in D510r

Installation

Unpacking

The unit has been carefully packed and inside the box you will find the following items.

- D510mx
- 40-Pin Ribbon Cable
- 8 440 x 1/14 Pozidriv Flathead Black Zinc Plated Screws
- Safety Sheet

It is always a good idea to save the original box and packing just on case you ever need to send the unit in for service.

Safety Notices

Please read the safety notice information included on the Safety Sheet inside the box before using the D510mx. This information is also available in Appendices section of this User Guide.

Introduction

This document provides instructions for installing the D510mx Rack Mixer. The D510mx is an upgrade for the D510r that attaches to the front of the unit and provides a mixing interface with two headphone outputs. Note that the D510mx requires slots 9 and 10 of the D510r to be empty. Please see the user manual for operating instructions.

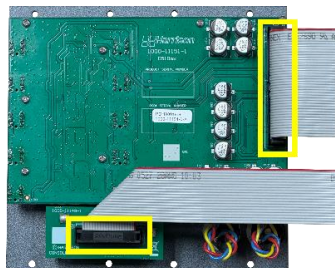
Step 1 – Power off and remove Status Panel

This document provides instructions for installing the D510mx Rack Mixer. The D510mx is an upgrade for the D510r that attaches to the front of the unit and provides a mixing interface with two headphone outputs. Note that the D510mx requires slots 9 and 10 of the D510r to be empty. Please see the user manual for operating instructions.



First, make sure the D510r is turned off. Then, remove the Status Panel from the D510r by removing all four screws from the front and disconnecting the 20-pin ribbon cable from the back.

Step 2 – Connect Cables



Plug the included 40-pin ribbon cable into the motherboard of the D510r. Then, plug both ribbon cables into the back of the D510mx.

Step 3 – Mount D510mx Mixer Panel



Secure the D510mx onto the right side of the D510r using the 8 included screws.

Tutorial

Mixer Front Panel Controls



1 – Mix Bus Routing

Each of the 10 D510mx sources can rout independently to the D510mx mix bus via the red switch. The associated LED lights when the signal is routed to the mix bus.

2 – Pan

When any of the 10 signals are routed to mix bus, the white knob associated with each input is used to pan the signal to the stereo bus.

3 – Level Control

When any of the 10 signals are routed to mix bus, the black knob associated with each input is used to adjust the level of the signal to the stereo bus.

4 – Main Output Level

The large black knob is used to adjust the level of the Main stereo output of the D510mx

5 – Main Output LED Meters

A bi-colored LED provides L and R metering of the Main Output. Green (present) Yellow (0dB) Red (peak).

6 – Headphone Blend

The Blend knob adjusts the mix between the D510mx Main Output and the return of the stereo signal via Dante. Note: This function is only applicable if the D510Dante interface is installed in the D510r with the D510mx.

7 – Headphone Output Level

Separate Headphone output level controls are provided one for each headphone output.

8 – Headphone Jack

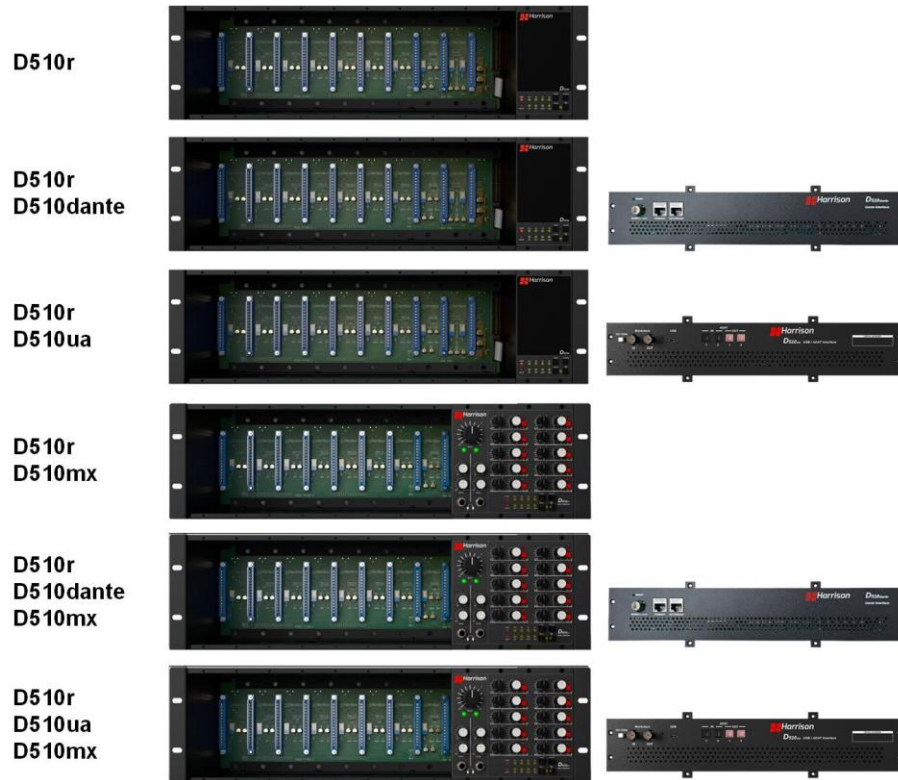
Separate Headphone TRS jacks are provided one for each headphone output.

9 – Power LED

The red PWR LED comes on when the D510r has power. Note: The rest of the controls on the lower right section of the D510mx are reserved for future use.

Configuration Options

6 Unique D510 Configuration Options



Specifications

General

The Harrison D510mx Mixer Module is an upgrade for the D510r that attaches to the front of the unit and provides a mixing interface with two headphone outputs.

D510mx Inputs

- Minimum Gain: ≤ -81 dB
 - Noise A-Weighted @ Min Gain: < -87 dBu
- Unity 0 dB
 - THD+N, 1kHz 10 dBu @ Mid Gain: $< 0.003\%$

- Noise A-Weighted @ Mid Gain: < -87 dBu
- Maximum Gain: 11.5 dB
 - THD+N, 1kHz 0dBu @ Max Gain: < 0.003%
 - Noise A-Weighted @ Maximum Gain: < -85 dBu
- Maximum Input Level: +24 dBu
- Frequency Response: 20 Hz – 20 KHz +/- 0.25 dB
- Pan – 3dB Pan Law

D510dante Inputs (when optional D510dante interface is installed)

- Maximum Input Level: +24 dBu
- Frequency Response: 20 Hz – 20 KHz +/- 0.25 dB

Main Outputs

- Maximum Output Level - +24 dBu
- Minimum Gain: <= -85 dB
 - Noise A-Weighted @ Min Gain: < -97 dBu
- Unity 0 dB
 - THD+N, 1kHz 10 dBu @ Mid Gain: < 0.003%
 - Noise A-Weighted @ Mid Gain: < -87 dBu
- Maximum Gain: 9.5 dB
 - THD+N, 1kHz 10 dBu @ Max Gain: < 0.003%
 - Noise A-Weighted @ Maximum Gain: < -78 dBu

Headphone Outputs

- Maximum Output Level - +21 dBu
- Minimum Gain: <= -78 dB
 - Noise A-Weighted @ Min Gain: < -87 dBu
- Maximum Gain: 0 dB
 - THD+N, 1kHz 20 dBu @ Max Gain: < 0.004%
 - Noise A-Weighted @ Maximum Gain: < -82 dBu

Signal Metering

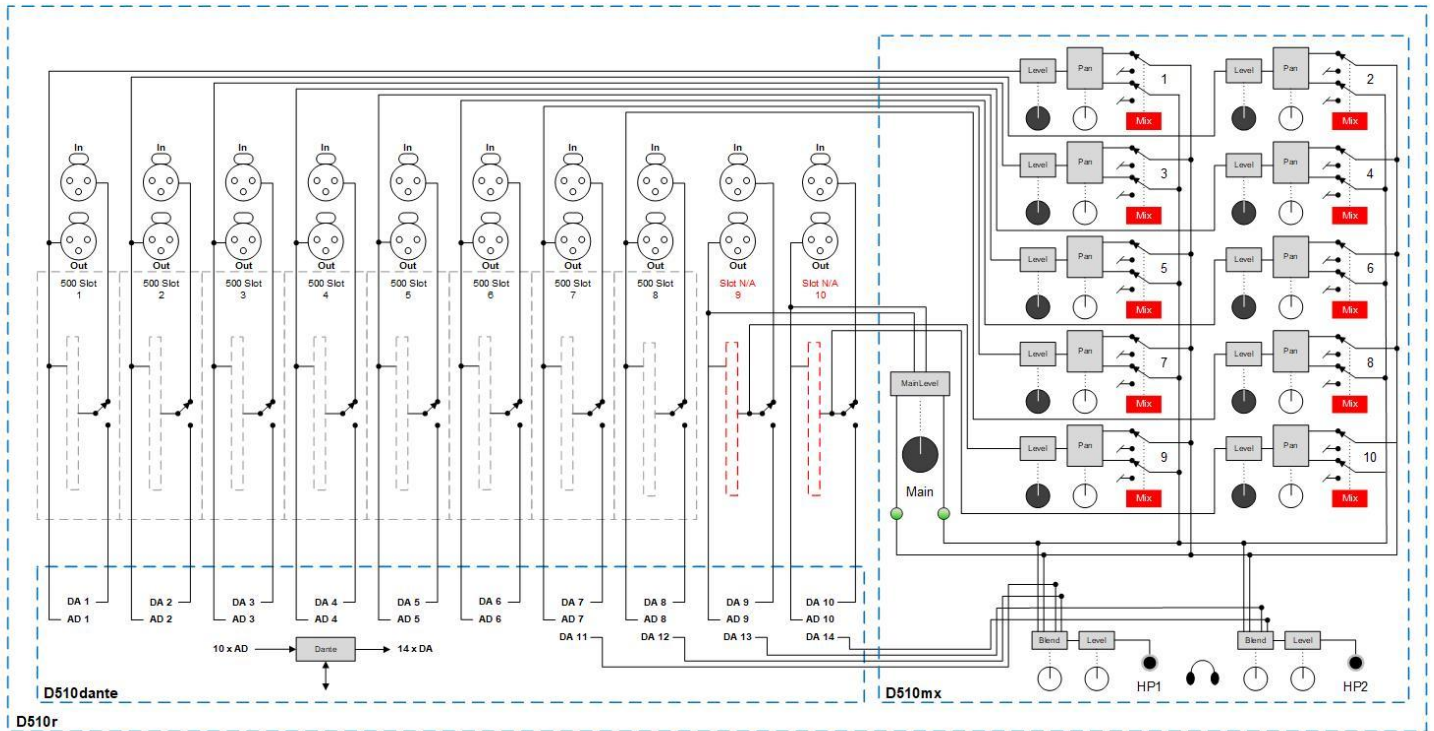
- 3x tri-colour LED signal presence
 - Green: ≥ -14 dBu, < 4 dBu
 - Orange: ≥ 4 dBu, < 18 dBu
 - Red: ≥ 18 dBu

Connectors

- TRS Stereo Headphone Output (2)

Block Diagram

Block Diagram D510r / D510dante / D510mx



Safety Notices

General Safety

- Please read and keep this document and adhere to all warnings and instructions.
- This electrical equipment should not be exposed to dust, water, or other liquids.
- Clean only with dry cloth or products compatible with electrical devices and never when the unit is powered.
- Do not operate near any heat sources, in direct sunlight or near naked flames.
- Do not place heavy objects on the unit.
- Only use attachments/accessories recommended by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Do NOT modify this unit, alterations may affect performance, safety and/or international compliance standards.
- The unit can only be serviced by qualified personnel – seek immediate service if the console has been exposed to water or if it ceases to operate normally.
- Harrison does not accept liability for damage caused by maintenance, repair or modification by unauthorized personnel.
- When using this apparatus either fix it into a standard 19" rack or place it on a secure level surface.
- If the unit is rack mounted, fit all rack screws. Rack shelves are recommended.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Always allow free flow of air around the unit for cooling.
- Ensure that no strain is placed on any cables connected to this apparatus. Ensure that all such cables are not placed where they can be stepped on, pulled, or tripped over.

Power Safety

- This equipment is supplied with mains lead however if you wish to use a mains cables of your choice refer to the following information: • Refer to the rating label on rear of the unit and always use a suitable mains cord.
- The unit should ALWAYS be earthed.
- Please use-compliant 60320 C13 TYPE SOCKET. When connecting to supply outlets ensure that appropriate sized conductors and plugs are used to suit local electrical requirements.
- Maximum cord length should be 4.5m(15').
- The cord should bear the approval mark of the country in which it is to be used. Additionally:
- The appliance coupler is used as the disconnect device, ensure that it is connected to an unobstructed wall outlet.
- Connect only to an AC power source that contains a protective earthing (PE) conductor.
- Only connect units to single phase supplies with the neutral conductor at earth potential. ATTENTION! This product must always be earthed. CAUTION! No user-serviceable parts inside. In the event of damage to the unit contact Solid State Logic. Service or repair must be done by qualified service personnel only.

Additionally:

- The appliance coupler is used as the disconnect device, ensure that it is connected to an unobstructed wall outlet.
- Connect only to an AC power source that contains a protective earthing (PE) conductor.
- Only connect units to single phase supplies with the neutral conductor at earth potential



ATTENTION! This product must always be earthed.

CAUTION! No user-serviceable parts inside. In the event of damage to the unit contact Solid State Logic. Service or repair must be done by qualified service personnel only.



This product complies with the following United Kingdom Legislation:

UK Electrical Equipment (Safety) Regulations 2016 (SI 2016/1101)

UK Electromagnetic Compatibility Regulations 2016 (SI 2016/1091).

The Eco-design requirements for Energy related products (ErP) 2009/125/EC.

The Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS2) Regulations 2012 (SI 2012/3032).



This product complies with the following European Union Harmonisation Legislation:

EU Low Voltage directive (LVD) 2014/35/EU,

EU Electromagnetic Compatibility directive (EMC) 2014/30/EU.

The Eco-design requirements for Energy related products (ErP) 2009/125/EC.

The Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment Directive (RoHS2) 2011/65/EU.



Instructions for disposal of WEEE by users in the European Union

The symbol shown here, which is on the product or on its packaging, indicates that this product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.

FCC Certification

• This device 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.

For the user:

- Do not modify this unit! This product, when installed as indicated in the instructions contained in the installation manual, meets FCC requirements.
- Important: This product satisfies FCC regulations when high quality shielded cables are used to connect with other equipment. Failure to use high quality shielded cables or to follow the installation instructions may cause electromagnetic interference with appliances such as radios and televisions and will void your FCC authorization to use this product in the USA.
- 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.

Industry Canada Compliance

This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Electromagnetic Compatibility

BS EN 55032:2015, Class A. BS EN 55035:2017.

WARNING: The audio input/output ports are screened cable ports and any connections to them should be made using braid screened cable and metal connector shells to provide a low impedance connection between the cable screen and the device.

Electrical Safety

IEC 62368-1:2018

BS EN IEC 62368-1:2020+A11:2020

CSA CAN/CSA-C22.2 No. 62368-1 3rd Ed.

UL 62368-1 3rd Ed.



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Environmental

Temperature: Operating: +1 to 30 degrees Celsius. Storage: -20 to 50 degrees Celsius.

Further information

For additional information, product downloads, knowledge base and technical support visit the www.harrisonaudio.com.

ECO Statement

80% recycled cardboard will be used in the packaging design as a minimum.

100% recyclable packaging.

No polyfoam will be used in the packaging design. Pulp based packaging inserts will be used as an alternative.

Packaging will be optimized to reduce its volume and weight and packaging materials will be easily separated for recycling.

Where allowed, user documentation will be available for download only. Only mandatory safety information will be provided in hard copy.

80% post-consumer recycled aluminum will be used in the front panel design.

Given their major contribution to the product's carbon footprint, PCBs will be optimized to minimize board area, layer count and to limit wastage.

Low power operation will be a focus throughout the design.

To promote switching off the unit after use, the power switch will be located on the front panel to maintain accessibility when rack mounted.

Component selection and lifetime testing will be based on a minimum life expectancy of 10 years. The design will support user servicing allowing individual connectors, pots, switches, and other parts to be replaced easily to ensure economically viable repair by a competent user or local repair center extending the product's service life.

The unit's construction method will allow easy dis-assembly supporting separating and recycling core components when the product reaches its end of life.