



KLARK TEKNIK DN9620 Dual Port AES50 Extender and Multiplexer User Guide

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KLARK TEKNIK DN9620 Dual Port AES50 Extender and Multiplexer



Important Safety Instructions

ATTENTION:

- 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 1/4" 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 in the accompanying literature. Please read the 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.
- 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.
- 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.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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. 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Use only attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.
15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
17. 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.
18. Do not install in a confined space, such as a bookcase or similar unit.
19. Do not place naked flame sources, such as lighted candles, on the apparatus.
20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed of at a battery collection point.
21. This apparatus may be used in tropical and moderate climates up to 45°C.

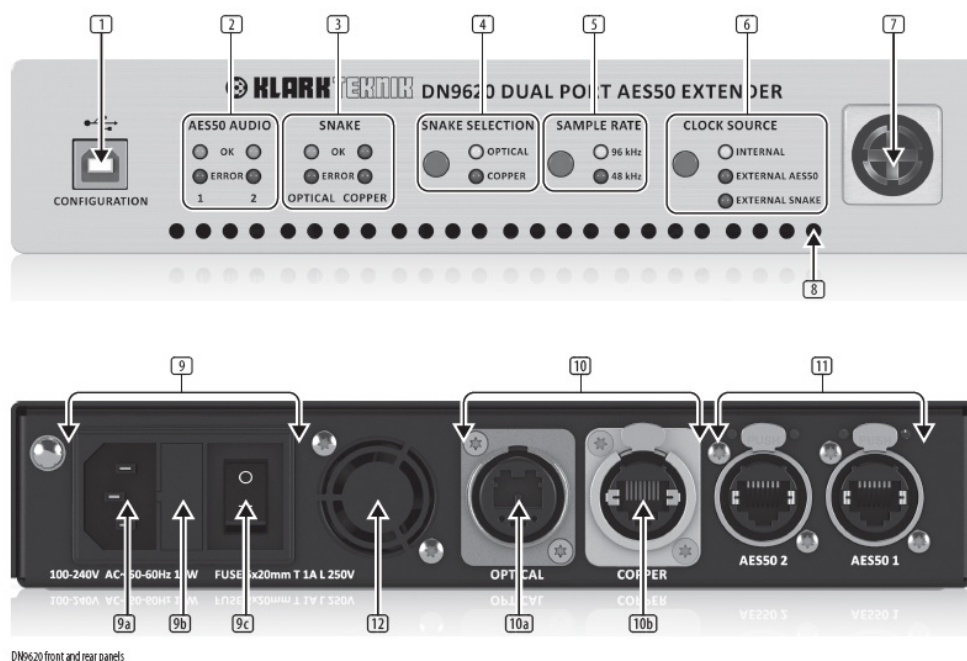
LEGAL DISCLAIMER

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LIMITED WARRANTY

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

Controls



PANEL FRONTAL

1. USB type B CONFIGURATION port to update the unit's software by connecting a PC/Mac*.
2. AES50 audio status LEDs show the status of each AES50 port, where OK pulsates to show good communication and ERROR shows a communication error.
3. Snake status LEDs show the status of the connected snake (optical or copper), where OK pulsates when the link is synchronized and ERROR flashes to show no communications or a fault.
4. THE SNAKE SELECTION section lets you choose which type of snake is currently in use (optical or copper).
5. SAMPLE RATE section lets you choose the sample rate (96 kHz or 48 kHz).
6. CLOCK SOURCE section lets you choose the clock source, where: INTERNAL = the DN9620's internally generated clock is used; EXTERNAL AES50 = the DN9620 automatically searches the AES50 ports for the first valid clock; and EXTERNAL SNAKE = the clock on the snake connection is used.
7. Backlit Klark Teknik roundel, which illuminates light blue to show that the unit is powered up.
8. Ventilation grill.

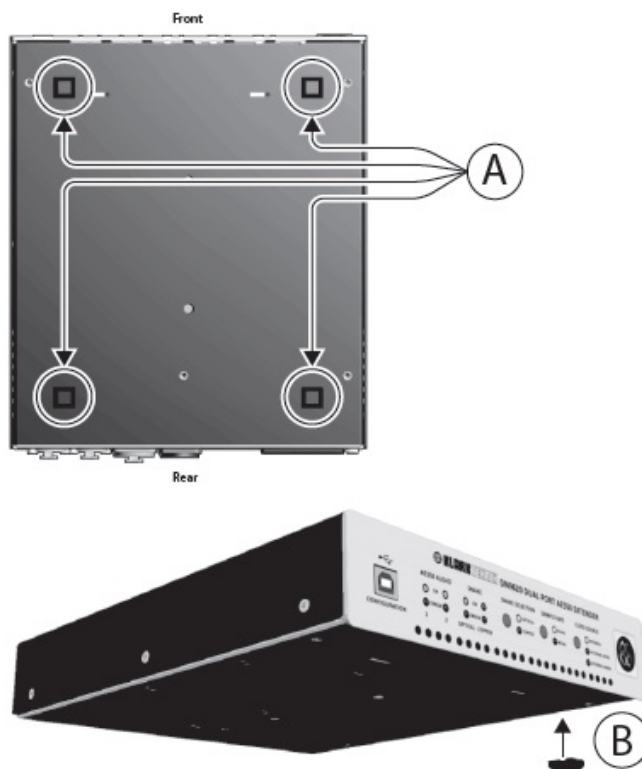
REAR PANEL

9. Mains power inlet. This is a switch-mode power supply that has a mains IEC socket (9a), power on/off switch (9c) and a fuse drawer (9b) that houses an easily replaceable mains fuse.
10. Snake connectors for connecting the DN9620 to another AES50-enabled device. You can connect a fiber optic connector to the optical connector of the OPTICAL port (10a) or a Cat 5e or Cat 6 copper snake to the etherCON connector of the COPPER port (10b). Please note that optical and copper snakes cannot be used simultaneously.

Caution: Laser radiation; do not stare into beam!

11. Two AES50 connectors.
12. Fan.

Fitting the feet (optional)

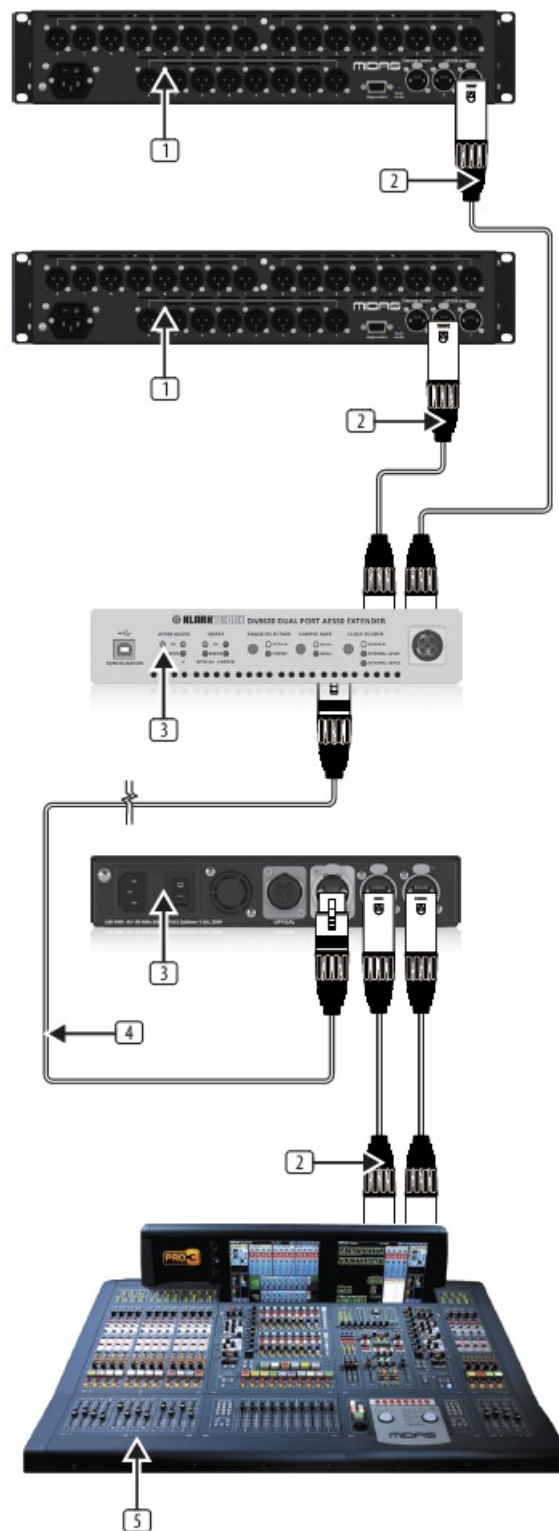


DN9620 2-port AES50 Extender – Fitting the feet (optional)

Fit the four feet (supplied) to the underside of the unit (see A left). To fit one of the feet, do the following:

1. On the top of the foot, peel off the backing paper that is protecting the sticky surface.
2. Position the foot centrally (sticky side up) in an empty foot recess on the underside of the unit. Then, press the foot into the recess until it sticks in position. (See B left.)

There is an option for rack mounting two DN9620s side by side in a single rack space, see the User Manual for details.



DN9620 2-port AES50 Extender Typical connection diagram

Typical connection diagram.

1. Two modular I/O units.
2. Up to 100m AES50 cables.
3. DN9620 units.
4. DN9620 snake (option of optical or copper).
5. Digital console (for example, PRO3).

Specifications

Inputs and Outputs	
Audio	2 x AES50 etherCON ports with integral status LEDs
Snake (options)	1 x copper HyperMAC port (cable can be up to 100 m long) 1 x optical HyperMAC port (cable can be up to 500 m long)*
Unit configuration port	USB Type B connector
Mains power inlet	3-pin IEC connector
DN9620 General Specifications	
Dimensions	1.8 (1U) x 8.6 x 10.1" 45 x 218 x 257 mm
Net weight	5.8 kg
Shipping weight	7.4 kg
Power consumption	10 W
Power requirement	100-240 V~, 50-60 Hz
Operating temperature range	+5°C to 45°C
Storage temperature range	-20°C to +60°C

Other important information

1. Register online. Please register your new Music Tribe equipment right after you purchase it by visiting musictribe.com. Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.
2. Malfunction. Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under "Support" at musictribe.com. Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at musictribe.com. Alternatively, please submit an online warranty claim at musictribe.com BEFORE returning the product.
3. Power Connections. Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible Party Name: Music Tribe Commercial NV Inc.

Address: 5270 Procyon Street, Las Vegas NV 89118, United States

Phone Number: +1 702 800 8290

DN9620

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

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: Music Tribe Brands DK A/S

Address: Ib Spang Olsens Gade 17, DK – 8200 Aarhus N, Denmark

Documents / Resources

	<p>KLARK TEKNIK DN9620 Dual Port AES50 Extender and Multiplexer [pdf] User Guide DN9620, Dual Port AES50 Extender and Multiplexer</p>
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References

-  [Music Tribe](#)
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