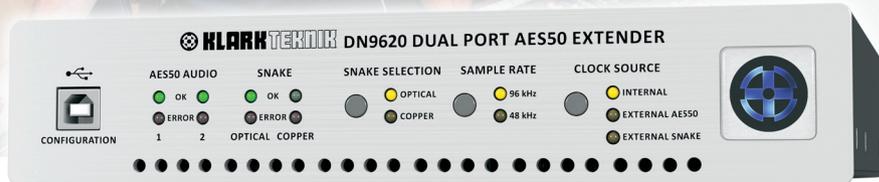


DN9620

Dual Port AES50 Extender and Multiplexer with up to 500 Metre Range (Pair)



- ⊗ Pair of DN9620 Dual Port AES50 Extenders and 19" rackmount adapter bracket
- ⊗ Extends two AES50 connections by 500 m with optical fibre or 100 m with Cat5 cable
- ⊗ High channel capacity - 48 channels @ 96 kHz or 96 channels @ 48 kHz bidirectional operation
- ⊗ Neutrik etherCON* connectors used for AES50 ports and copper snake connection
- ⊗ Dual-fibre Neutrik opticalCON DUO* connector used for optical fibre snake connection
- ⊗ Comprehensive clock source options with front panel push button selection and LED indication
- ⊗ Status indicator LEDs on front panel for each AES50 port and optical and copper snake connections
- ⊗ Rugged half-width 1U rackmount chassis for durability in portable applications
- ⊗ Auto-ranging universal switch-mode power supply
- ⊗ 3-Year Warranty Program*
- ⊗ Designed and engineered in England

The DN9620 provides a high channel count solution to the 100 metre limitation that Ethernet and CAT5 cabling imposes on the physical size of AES50 networks. A pair of DN9620 units allow up to two AES50 connections (48 or 96 bidirectional channels channels at 96 kHz or 48 kHz sample rates respectively) to be extended by up to 500 metres via multimode optical fibre or 100 metres via CAT5 copper cable, simplifying long haul cable connections due to the use of a single bidirectional snake cable.



DN9620 acts as a bidirectional multiplexer and demultiplexer, and combines the two incoming AES50 streams into the outgoing snake connection, and simultaneously also takes the incoming snake connection and unbundles the two AES50 streams and routes them to the corresponding AES50 ports. A snake system consisting of a pair of DN9620 units routes the incoming AES50 streams to the outgoing streams on a one-to-one port basis, so that the snake is transparent in use, only incurring a small propagation delay of 270 microseconds.

DN9620 is supplied in pairs, and a 19" rackmount adapter bracket is also included.

*All third-party trademarks are the property of their respective owners. Their use neither constitutes a claim of the trademark nor affiliation of the trademark owners with MUSIC Group. Product names are mentioned solely as a reference for compatibility, effects and/or components. Warranty details can be found at music-group.com.

DN9620

Dual Port AES50 Extender and Multiplexer
with up to 500 Metre Range (Pair)



Digital Audio Networking

SuperMAC (AES50-Compliant) digital audio networking technology from KLARK TEKNIK simultaneously provides high channel counts, ultra low and deterministic latencies, sample-synchronous and phase-aligned networked clock distribution, error detection and correction, network redundancy, and ease of deployment and use – to meet the demanding requirements of live concert touring.

DN9620 is compatible with all MIDAS digital consoles, audio system engines and digital I/O units, as well as with any other AES50-equipped devices.

Flexible Synchronisation

The DN9620 can be synchronised to the internal clock source, or the incoming external AES50 or external snake clock signals using the front panel selection switch. Often when two DN9620 units are used together in a larger system, the nominal transmitter of the pair will be synchronised to the incoming external AES50 clock, whilst the nominal receiver will be synchronised to the incoming snake clock. The selection of either 48 kHz or 96 kHz sample rate and copper or optical fibre snake operation can also be made very simply via the front panel selection switches.

DN9620 features status LED indicators for AES50 and network synchronisation, and clock source, sample rate and snake options on the front panel for 'at a glance' status display, even at wide distances and viewing angles.



Dual Media Snakes

DN9620 supports both optical fibre and copper snakes using a Gigabit Ethernet digital audio point-to-point link. A dual-fibre Neutrik opticalCON DUO connector is used for optical fibre snake connection, enabling a bidirectional optical link on one multimode dual fibre cable.

Mixer Accessories

DN9620

Dual Port AES50 Extender and Multiplexer
with up to 500 Metre Range (Pair)

Built for the Road

Featuring a rugged steel half-width 1U rackmount enclosure, the DN9620 is designed for the rigours of live concert touring. Premium Neutrik etherCON* and opticalCON DUO* connectors are used to ensure reliable network connections, night after night.



Auto-ranging universal switch-mode power supply

DN9620 features a universal power supply, which is auto-voltage sensing for use on a worldwide basis.

You Are Covered

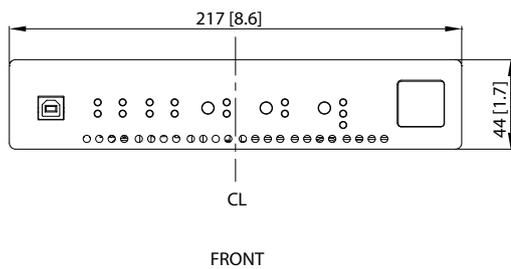
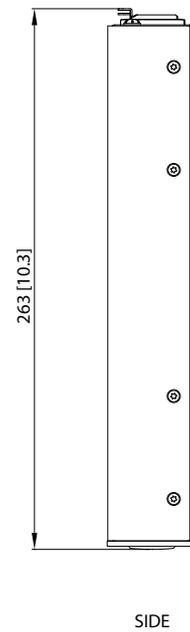
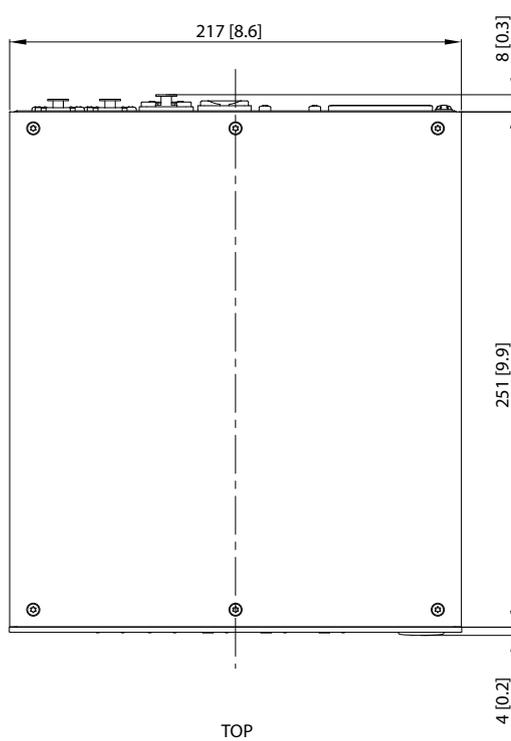
We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Group](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [3-Year Warranty program](#).



DN9620

Dual Port AES50 Extender and Multiplexer
with up to 500 Metre Range (Pair)

Dimensions



DN9620

Dual Port AES50 Extender and Multiplexer
with up to 500 Metre Range (Pair)

Technical Specifications

AES50

Ports	2
Type	Neutrik etherCON with LED status indication
Sample rate	48 kHz, 96 kHz

Copper

Snake Port	1
Type	Neutrik etherCON

Optical Snake Port

Snake Port	1
Type	Neutrik opticalCON DUO
Optical fibre	Multimode dual fibre

Clock Source

Options	Internal clock External AES50 clock External snake clock
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Other Terminations

Power	3-pin IEC
USB configuration port	USB 2.0 Type B connector

Power Requirements

Voltage	100 to 240 VAC, 50 to 60 Hz
Consumption	<50W

Dimensions (Single Unit)

Width	217 mm (8.6")
Depth	263 mm (10.3")
Height	44 mm (1.7")

Weight (Single Unit)

Net	2.4 kg (5.3 lbs)
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DN9620

Dual Port AES50 Extender and Multiplexer
with up to 500 Metre Range (Pair)

Architecture & Engineering Specifications

The network extender shall provide the functions of multiplexing, demultiplexing and format conversion to extend two network connections beyond the 100 metre limitation of CAT5 cable using a single dual fibre optical cable or a single CAT5 copper cable using a proprietary 1 Gigabit Ethernet frame-based digital audio point-to-point link.

The network extender shall be capable of extending the network connections by up to 500 metres via the single dual fibre optical cable or 100 metres via the single CAT5 copper cable.

The network extender shall support a 100 Megabit Ethernet frame-based digital audio network compliant with the Audio Engineering Society AES50-2011 standard.

The network extender shall be designed to be used in pairs to create a digital snake, and the pair shall have a combined propagation delay of 270 microseconds including the copper or optical fibre snake.

The network extender shall have one USB configuration port for the purposes of updating the internal software.

The network extender shall be capable of deriving its clock source from the internal clock oscillator, the incoming external AES50 clock, or the incoming external snake clock.

The network extender shall be housed in a standard half-width 1U 19" rackmount chassis, and shall be 217 mm wide x 263 mm deep x 44 mm high (8.6" x 10.3" x 1.7"), with nominal weight 2.4 kg (5.28 lbs).

The network extender shall be supplied in pairs and include a 19" rackmount adapter bracket.

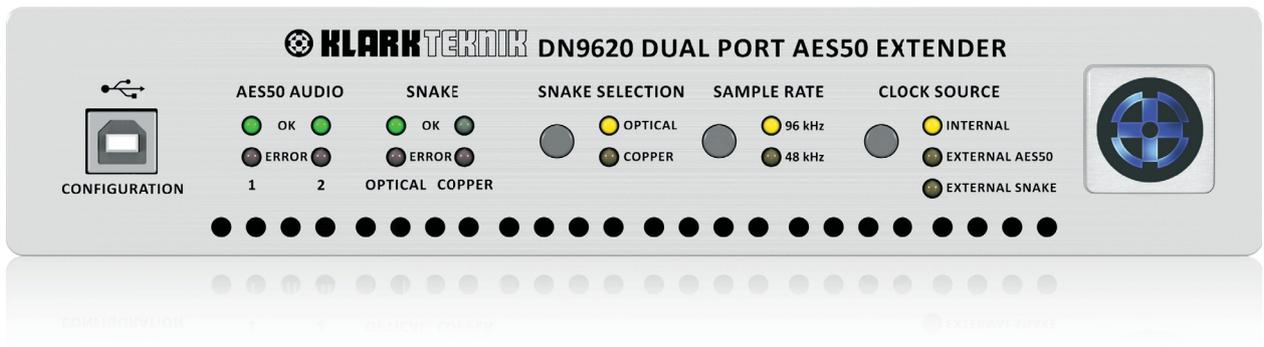
The network extender shall be installed in a rack frame or road case capable of safely supporting its weight. Input, output, and power connections shall be made at the rear panel of the network extender. Installers shall allow adequate space at the rear for connection and disconnection of input, output, and power connections. The power requirements shall be 100 to 240 VAC, 50 to 60 Hz.

The network extender shall be the [KLARK TEKNIK DN9620](#) and no other alternative shall be acceptable.

Mixer Accessories

DN9620

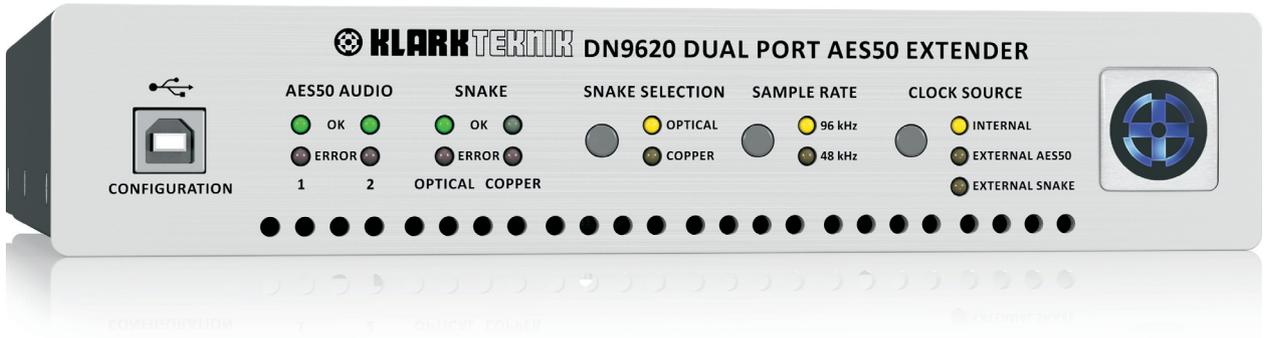
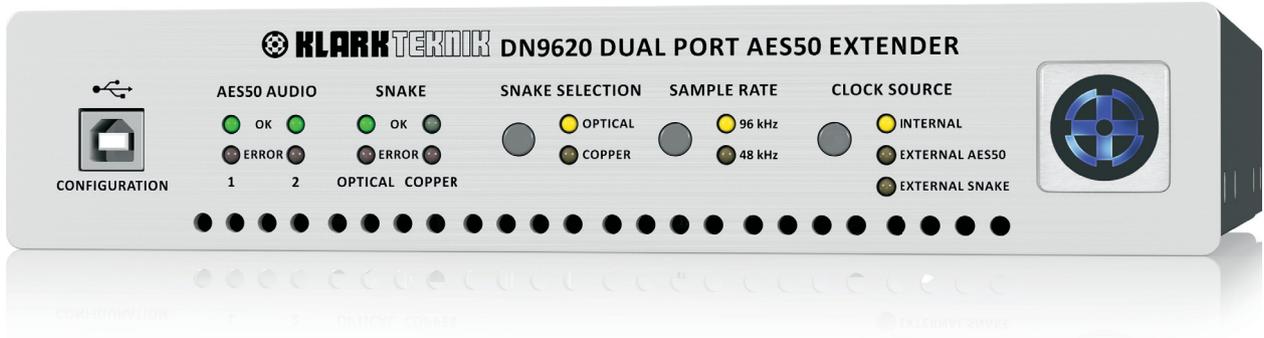
Dual Port AES50 Extender and Multiplexer
with up to 500 Metre Range (Pair)



Mixer Accessories

DN9620

Dual Port AES50 Extender and Multiplexer
with up to 500 Metre Range (Pair)



For service, support or more information contact the BUGERA location nearest you:

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