



Glensound

Keeps Working



**New RAVENNA
devices inside !**



Products overview excerpt
Edition 2022-11-EN



GlenSound designs and builds the highest quality audio systems for the broadcast, touring and commercial audio markets.

As the broadcast market is very important for GlenSound, their product designs are intended to be rugged and reliable, to withstand the rigours of the outside broadcast world. Special manufacturing techniques are used to reduce damage from typical mis-handling.

GlenSound will continually strive to design the best audio solutions for broadcasters and commercial integration, looking for original solutions and not following the crowd.

GlenSound was founded in 1966 in the UK, when Len Davis invented the world's first telephone balancing unit for use on BBC Radio's first phone in programme.

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Specifications are subject to change without notice !

www.glenSound.co.uk

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This brochure shows only an excerpt of the Glensound portfolio !
 For all products and detailed technical specifications please visit:

www.glensound.co.uk

Divine is an intelligent networked audio monitor. It has an Audinate Ultimo chipset which can receive 4 incoming audio channels, each at 48 kHz. However, this chipset can only receive these 4 audio channels from a maximum of 2 network locations (two different devices). This is common with any manufacturer that uses this chipset.



Features

- Audio monitor speaker DANTE /AES67
- PoE powered, IEEE 802.3af
- 4 incoming DANTE/AES67 channels (from max. 2 devices !)
- select between individual inputs, pairs or all 4 inputs
- priority override on one input to interrupt another
- EQ for music or voice, LF cut, gain boost
- lock all functions for security
- all LEDs can be set to dark mode
- front LEDs can be set as a PPM meter
- each LED can be set as tricolour single LED meter
- configuration screen at the rear

- VESA 75mm & mic thread mounting options
- remote control via GlenController
- available in black or white

Specifications

Driver	3" poly damped glass fibre
THD + noise	0.02% @ 1W / 1kHz
Connector	EtherCon
AOIP	DANTE/AES67 4ch @ 48k or 2ch @ 96k (Dante only)
PoE power	802.3af-2003, 12.8 Watts
Amplifier	low noise class D, 10 Watts
Mounting options	VESA 75, 2x mic stand 5/8"
Housing	Aluminium, 1.725 kg
Dimension	190x128x100mm HxWxD



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BELLA 4

Four input 1U rackmount Dante / AES67 audio monitor. This device uses Audinate's Ultimo chipset, which can receive 4 incoming audio channels, each at 48 kHz; it can only receive these channels from a maximum of 2 network locations (2 different devices). This is common with any manufacturer that uses this chipset.



- 4x 5W neodym loudspeakers
- low noise class D amplifier
- inbuilt loudspeaker protection
- volume control for each channel
- channel mute switch on each channel
- presence & peak LED's for each input
- headphone output with auto-loudspeaker off
- 19" 1RU, 164mm deep, 1.35kg

BELLA 22 mk2

Dante confidence monitor, mixer and level control. It is a 2 buss summing matrix confidence monitor, perfect for monitoring of multiple network audio sources. The two front panel loudspeakers are driven from a DSP for crisp clear voices. Also as RAVENNA version available !



- 20 network audio inputs, set as pairs of inputs
- 2 analogue audio inputs
- Dante / AES67 compliant
- 32 network AoIP outputs
- 3 analogue audio outputs, 1x AES3 output
- 10 input level controls
- 2x RJ45 and 2x SFP slots for fiber connection (SFP modules optional)
- channel on / solo buttons
- level control (gain increase 10dB, 30dB reduction)
- 3 position switch for input selection (l-r, stereo)
- 3 position switch for loudspeaker / headphone output routing (left, right or both)
- Power: IEC 230V or either of the two RJ45 with PoE (10W), gives power redundancy
- 19" 1RU, 164mm deep, 1.74 kg

BELLA 32

32 channel Dante audio monitor. It is a 2 buss summing matrix confidence monitor designed for broadcast trucks, studios, theatres and professional audio applications. Perfect for cost effective monitoring of multiple network audio sources. Also as RAVENNA version available !



- 32 network audio inputs
- Dante / AES67 compliant
- 2 preset mix groups
- inputs with channel on/solo switches
- each input has a signal present indicator
- adjustable input / output gain levels
- two front panel loudspeakers
- panning left-right to loudspeakers
- headphone out 6.35mm
- 2x analogue in & 3x analogue out, 1x AES3 out
- 2x RJ45 & 2x SFP slots (modules optional)
- power: IEC 230V or either of the two RJ45 with PoE (10W), gives power redundancy
- 19" 1RU, 185mm deep, 1.8 kg

GlenController - Software

The GlenController Windows 10/11 software is provided free of charge to add network remote control and setup to the range of networked Dante/AES67 products. GlenController automatically finds all compatible devices that it can control on your network and shows them in a list on the left hand side of the screen - it is possible to password protect devices to prevent unauthorised access. All compatible devices can connect to multiple GlenControllers simultaneously, meaning that several operators in your workflow can access a device and see its levels, gains etc. at the same time.

GlenController has built-in redundancy. It connects to the devices that it is controlling by both the primary and secondary interfaces (if available) and, like Dante audio network, it provides seamless backup if one of the two networks should fail.



Compatible products:

Paradiso, Dark1616M, Dark1616S, Dark8MAI, Dark8MAIR, Styx, BEA-B4+, Divine, Comedia, Spark, Vita Mini-X, GTM

AOIP-22

Robust mobile 2 channel bidirectional Dante audio interface. The AOIP22 is designed to easily interface existing analogue equipment to a Dante/AES67 network. Being powered by PoE means that only one cable needs to be connected.



- 2x XLR analogue audio inputs
- 2x XLR analogue audio outputs
- Neutrik EtherCon connector
- DANTE / AES67 network, control & configuration
- PoE powered or 12 VDC
- cable tie mounting points
- robust aluminium housing
- 153x105x41mm (WxDxH), 420 g

AOIP-22 AES

Robust mobile AES3 DANTE interface. The AOIP22 AES3 is designed to easily interface existing AES3 equipment to a Dante/AES67 network. Being powered by PoE means that only one cable needs to be connected.



- 1x AES3 in, 1x AES3 out (stereo)
- DANTE / AES67 network, control & configuration
- sample rate converters on inputs to synchronise the incoming AES3 stream to the Dante/AES67 clock rate
- AES3 outputs are synchronised to the network audio sample rate and as such their clocks follow the Dante/AES67 circuits
- transformer balanced AES3 inputs
- PoE powered or 12 VDC
- cable tie mounting points
- robust aluminium housing
- 153x105x41mm (WxDxH), 405 g

AOIP-4i

Robust mobile 4 channel inputs Dante audio interface. This device uses Audinate's Ultimo chipset which can receive 4 incoming audio channels (from a maximum of 2 network locations (2 different devices)).



- 4x XLR analogue audio inputs
- DANTE / AES67 network, control & configuration
- PoE powered or 12VDC
- if both PoE 802.3af & DC power are connected then power supply is automatically redundant
- fully protected electronically balanced circuits
- cable tie mounting points
- robust aluminium housing
- 153x105x41mm (WxDxH), 420 g

AOIP-4o

Robust mobile 4 channel outputs Dante audio interface. This device uses Audinate's Ultimo chipset which can receive 4 incoming audio channels (from a maximum of 2 network locations (2 different devices)).



- 4x XLR analogue audio outputs
- DANTE / AES67 network, control & configuration
- PoE powered or DC 12V
- if both PoE 802.3af & DC power are connected then power supply is automatically redundant
- cable tie mounting points
- robust aluminium housing
- 153x105x41mm (WxDxH), 420 g

12VDC power supply - connector dimensions:

outer barrel in 5.5mm / inner barrel in 2.5mm / length either 9mm or 11mm / positive centre

AOIP-44

Dante audio interface 4 inputs, 4 outputs. This device uses Audinate's Ultimo chipset which can receive 4 incoming audio channels (from a maximum of 2 network locations (2 different devices)).



- 4x balanced audio inputs to Dante/AES67
- 4x balanced audio outputs from the network
- 19" rack 1 U, 123mm deep, 1.2kg
- high quality audio circuits (for broadcast)
- can be PoE powered
- DC power option
- mains IEC 100-240VAC
- front or rear rack-mounting possible

AOIP-44 AES

Robust mobile AES3 DANTE interface. The AOIP44 AES3 is designed to easily interface existing AES3 equipment to a Dante/AES67 network. Being powered by PoE means that only one cable needs to be connected. (incoming audio channels from a maximum of 2 network locations - 2 different devices !)



- 2x AES3 in, 2x AES3 out
- DANTE / AES67 network, control & configuration
- sample rate converters on inputs to synchronise the incoming AES3 stream to the Dante/AES67 clock rate
- AES3 outputs are synchronised to the network audio sample rate and as such their clocks follow the Dante/AES67 circuits
- transformer balanced AES3 inputs
- PoE powered or 12 VDC
- cable tie mounting points
- robust aluminium housing
- 153x105x41mm (WxDxH), 420 g

DARK 8 O

Portable 8 channel outputs Dante interface. It provides 8 analogue outputs from a Dante / AES67 network and has redundant RJ45 & SFP fiber slots, powered by PoE or external DC.



- 8x analogue audio outputs
- Dante/AES67 compatible
- redundant network interface
- 2x Neutrik EtherCon & 2x GBIC SFP slots
- PoE powered or 12 VDC
- cable tie mounting points
- robust aluminium housing
- 59x157x238mm (HxDxW), 1.2 kg

DARK 8 ADI

8 channel analogue & 4x AES3 inputs Dante interface. It has 8 low noise line inputs and 4 transformer balanced AES3 digital inputs. These inputs are transmitted on a fully redundant Dante/AES67 network interface.



- 8x analogue line level inputs
- 4x AES3 inputs, transformer balanced
- Dante/AES67 compliant
- auto switching outputs between AES & analogue
- redundant network connection
- AES3 inputs with sample rate converters
- redundant power supplies
- network & power status GPO's
- mains 100-240VAC
- rack-ears front or back mount
- 19" 1 RU unit, 300mm deep, 3kg

DARK 88 MK2

8 inputs & 8 outputs Dante interface. It provides 8-in/8-out high quality analogue audio interface to a Dante/AES67 network. For highest reliability, both network connections (RJ45 & fiber) and also the power supplies are redundant. Also as RAVENNA version available !



- 8x balanced audio inputs to Dante/AES67
- 8x balanced audio outputs from the network
- Dante / AES67 compliant
- redundant RJ45 and fiber connections
- connection to Dante network for control & configuration
- primary / secondary network ports internally via switch: redundant or switched mode possible
- up to 192 kHz sampling
- GPO status outputs on the front
- twin redundant power supply
- mains IEC 100-240VAC, 12VDC power option
- rack-ears front or back mount
- 442x303x44mm (WxDxH), 1U rack, 3 kg

DARK 16i

16 analogue inputs DANTE interface. It provides 16 high quality analogue audio inputs to a Dante/AES67 network. For highest reliability, both network connections (RJ45 & fiber) and also the power supplies are redundant.



- 16x analogue audio inputs on rear panel XLR
- Dante/AES67 compliant
- redundant RJ45 and fiber connections (SFP)
- connection to Dante network for control & configuration
- low noise ADC's
- up to 192 kHz sampling
- GPO status outputs on the front
- redundant mains power supplies
- rack-ears front or back mount
- 19" 1RU 300mm deep, 2.8 kg

DARK 16o

16 analogue outputs DANTE interface. It provides 16 high quality analogue audio outputs from a Dante/AES67 network. For highest reliability, both network connections (RJ45 & fiber) and also the power supplies are redundant.



- 16x analogue audio outputs on rear panel XLR
- Dante/AES67 compliant
- redundant RJ45 and fiber connections (SFP)
- connection to Dante network for control & configuration
- low noise DAC's
- up to 192 kHz sampling
- GPO status outputs on the front
- redundant mains power supplies
- rack-ears front or back mount
- 19" 1RU 300mm deep, 2.8 kg

for detailed technical specifications visit:
www.glensound.com

DARK 1616

16 analogue in/out & 8 AES3 in/out Dante interface. It is a versatile break in/out box for sending / receiving both analogue and digital (AES3) audio to/from a Dante audio network. In total there are 16 channels of audio sent from the Dark1616 to the network (AES3 inputs take priority !) Also as RAVENNA version available !



- 8 AES3 inputs & 8 AES3 audio outputs
- 16 analogue audio inputs & 16 outputs
- max. 16 channels of audio to the network !
- redundant RJ45 and fiber connections
- connection to Dante/AES67 network for control & configuration
- AES3 inputs with sample rate converters
- AES3 outputs are locked to sample frequency of the Dante network
- network link status GPO's
- redundant mains power supplies
- rack-ears front or back mount
- 19" 1RU 300mm deep, 3.3 kg

DARK 1616D

8x AES3 inputs & 8x AES3 outputs DANTE interface. It is a digital converter designed to connect AES3 audio circuits to/from Dante / AES67 audio network. Also as RAVENNA version available !



- 8 AES3 inputs & 8 AES3 audio outputs
- Dante / AES67 compatible
- redundant RJ45 and fiber connections
- connection to Dante/AES67 network for control & configuration
- SubD25 connectors for AES3 (Tascam standard)
- network link status GPO's
- redundant mains power supplies
- rack-ears front or back mount
- 19" 1RU 300mm deep, 3.3 kg

AOIP-2M

Robust mobile 2 channel microphone Dante interface. The AOIP2M is packaged in a small and rugged case for outside broadcast, theatre and touring applications. It has 2 microphone inputs with 48V phantom power and gain control and it is PoE powered.



- 2x XLR mic-line inputs
- selectable 48V
- AES67 compliant
- Neutrik EtherCon connector
- independent gain controls
- PoE powered & 12VDC
- cable tie mounting points
- robust aluminium housing
- 153x105x41mm (WxDxH), 420 g

DARK 8MAI MK2 (Brooklyn II)

Robust mobile 8 channel microphone inputs Dante interface. The DARK8MAI MK2 is a very powerful microphone to Dante interface in a robust aluminium case. It has 8 low noise mic-line inputs which are remotely controlled by Windows 10 app.



- 8x XLR mic inputs with low noise mic amps
- 48V phantom power
- AES67 compliant
- 2x EtherCon copper and 2x fiber network interface (SFP optional)
- redundant network interfaces
- PoE powered (redundant on the two RJ45)
- 12VDC when no PoE available
- remote control via Windows 10 app
- robust aluminium housing
- 238x157x59mm (WxDxH), 1.2 kg

DARK 8 MAIR

8 channel microphone Dante interface. The DARK8MAIR is a very powerful Dante/AES67 network interface, in a robust 19" rack-housing. It has 8 low noise mic-line inputs which are remotely controlled by a Windows 10 App. The outputs of the microphone amplifiers are transmitted to a fully redundant Dante network.



- 8x XLR mic inputs with low noise mic amps
- 48V phantom power
- AES67 compliant
- 2x EtherCon copper and 2x fiber network interface (SFP optional)
- redundant network interfaces
- PoE powered (redundant on the two RJ45)
- redundant IEC mains 100-240 V
- remote control via Windows 10 app
- 19" 1RU 185mm deep, 1.9 kg

DARK 1616M

16 channel mic-line in/out & 8 channel AES3 in/out Dante interface. The DARK 1616M is an audio interface that provides connections for 16 mic/line inputs & outputs plus 8x AES3 inputs & outputs to a Dante/AES67 network.



- 16x analogue mic-line inputs & 16x outputs
- 8x AES3 inputs (with sample rate converters) & 8x AES3 outputs
- 16 network remote controllable mic amps
- analogue & digital outputs are always available, inputs work either on AES input priority or can be selected in the Windows App.
- redundant network links, both copper & fiber
- redundant power supplies
- Windows 10 app for remote control
- mains IEC 100-240V
- rack-ears front or back mount
- 19" 1RU 300mm deep, 3.3 kg

COMEDIA-V

PoE DANTE amplifier with 4 inputs and remote control with Windows 10 software, equipped with a speaker and a line output. With volume control and input select button. Perfect as a wall based volume control for a loudspeaker.



Photo shows Comedia-V with panel control !

- 10W class D audio amplifier
- Dante/AES67 compatible
- speaker terminal outèut plus line level output
- PoE powered 802.3af 12.9 W
- monitors 4 incoming Dante/AES67 channels
- volume control & channel select button
- priority override to interrupt another input
- multimode ticolour LED PPM meters
- volume control & channel select button
- inputs can be selected or mixed together
- different preset EQ's and LF cut
- remote control via Glencontroller software
- 113x117x40mm WxDxH

COMEDIA-R

The same amplifier but without panel controls - remote control only !

COMEDIA-VS

This version has in addition to the COMEDIA-V a screen for full control of 15+ parameters !

DANTE headphone amplifiers



VIRGIL

Virgil is a clever little headphone amplifier for providing crystal clear audio into studio and broadcast headphones.



- compact high quality stereo headphone amp
- 2 Dante channels (left&right)
- unique amplifier circuit which automatically provides the correct output level to match the impedance of the attached headphones
- suitable for stereo headphones & mono earpieces
- front panel volume control
- 6.35 & 3.5mm headphone outputs
- 3 mounting holes
- up to 96k / 24 bit audio
- PoE powered
- 86.61x32.23x104.31mm (WxHxD), 220g

VIRGIL-BC

Same as VIRGIL with additional Belt Clip !



DANTE headphone amplifiers



VIRGIL OB

Outside broadcast headphone amplifier in a robust aluminium housing.



- compact high quality stereo headphone amp
- 2 Dante/AES67 channels (left&right)
- the 2 incoming audio signals are also available as balanced analogue XLR out on the rear
- unique amplifier circuit which automatically provides the correct output level to match the impedance of the attached headphones
- suitable for stereo headphones & mono earpieces
- front panel volume control
- 6.35 & 3.5mm headphone outputs
- cable tie holes
- up to 96k / 24 bit audio
- PoE powered
- robust aluminium housing
- 101x42x103mm (WxHxD), 200g

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GTM BOX

The GTM combines multiple functions required for the interfacing and communications required in eSports tournaments into one simple to use device.

GTM provides the interface for the gamers, provides the intercom mix and allows remote control by tournament engineers.

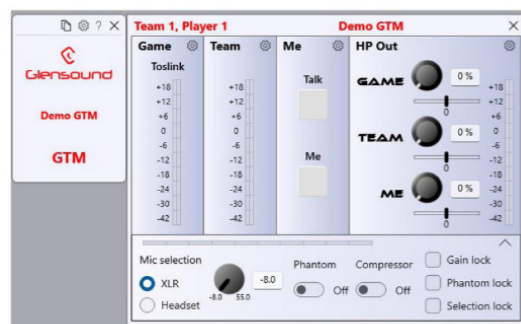
There are separate modes that also means the GTM can be used by the coaches, referees and arena announcers.

The GTM is also available in a stripped down version with no direct top panel controls for system integrators.

- single user eSports interface
- multiple headset connection options
- provides the team-talkback mixers
- allows referee interfacing and control
- full remote and monitoring using Windows 10 App Glencontroller



- top panel mixer: GAME (stereo level of the game audio), TEAM (overall level of the team comms channel), ME (the level of the users own voice in their headphones)
- game audio sources: DANTE (2xRJ45), SPDIF (digital stereo optical TOS-Link), AUX (analogue stereo input, 3.5mm jack), USB (stereo USB-C connection)
- gaming-headset connection (headphones & mic)
- XLR mic input, selectable 48V phantom power
- headphone out: 3.75mm and 2.5mm jack
- two headphone amplifiers (headphones/headset)
- sources select with buttons
- mic gain can be adjusted on the rear panel
- HD-SDI as an option; HD-SDI is looped through
- internal mixer that generates a team group mix between all members (Glencontroller)
- 135x162x50-80mm (WxDxH)



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