

Amphenol Australia



ENTERTAINMENT @ AMPHENOL
TRUSTED GLOBALLY

ENTERTAINMENT INTERCONNECT SHORTFORM

Amphenol is one of the largest manufacturers of interconnect products in the world. The company designs, manufactures and markets electrical, electronic and fiber optic connectors, coaxial and flat-ribbon cable and interconnect systems. Amphenol Audio has a complete range of interconnect products for the entertainment markets; audio, broadcast and lighting.

Entertainment markets: Audio, Broadcast & Lighting

Amphenol thinks globally and acts locally when it comes to customer service. Our global presence allows us to take full advantage of our numerous corporate resources and product portfolio to provide you with a vast offering and choice. Our extensive range is designed to meet the specific needs of the entertainment markets to make the selection of your interconnect partner an easy choice.

Amphenol Audio has been producing products for the pro audio industry for over fifty years. Since the development of our XLR AC Series connectors, we have continued to provide our customers with exacting quality in an increasingly competitive environment.

Amphenol's expertise and our operations in low cost manufacturing locations ensures a cost competitive solution to your requirements. Continuous improvement through ISO9001, a focus on environmental awareness and development of next generation industry leading products is our philosophy.

As the entertainment industry moves into the future the merging technologies from other industries has become more prevalent. The ability of Amphenol to provide a full range of design services required to support the customers applications design and modelling, applications engineering, fabrication, value-added assembly and testing, coupled with the largest interconnect offering on the market means that we can support all of your system level needs.

How can we help?

Amphe-Dante Adapters NEW

Amphe-Dante are Dante™ audio to analogue audio adapters, each with one RJ45 Dante input, and one and two (respectively) AX series XLR analogue outputs in a molded housing.

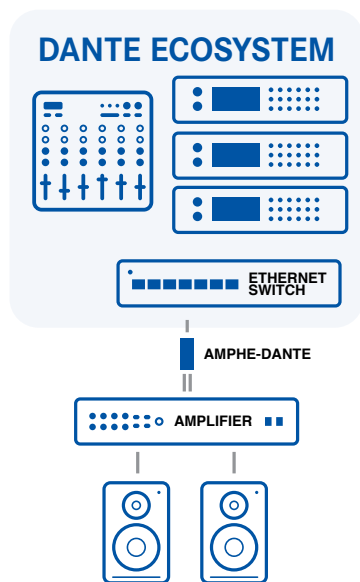
Amphe-Dante products enable simple connection of analogue equipment to a Dante network and can receive audio channels from a Dante network and provide studio-quality, low-latency audio via an XLR connector to analogue audio equipment. Any audio available on the Dante network can be routed via the XLR outputs to an amplifier, powered speaker, mixing console, digital signal processor (DSP), or other analogue audio device.

Amphe-Dante feature high-quality digital-to-analogue converters, and support a range of sample rates and bit depths. They can provide a hardware master clock for a Dante network. As with other Dante products, the freely available Dante Controller software application is used to automatically discover and configure Amphe-Dante devices connected to the Dante network. Device names, channel labels, signal routing and other parameters (for example, sample rate and latency) can be configured via the network using Dante Controller. A variety of network and clock synchronisation diagnostic tools are also available in Dante Controller.

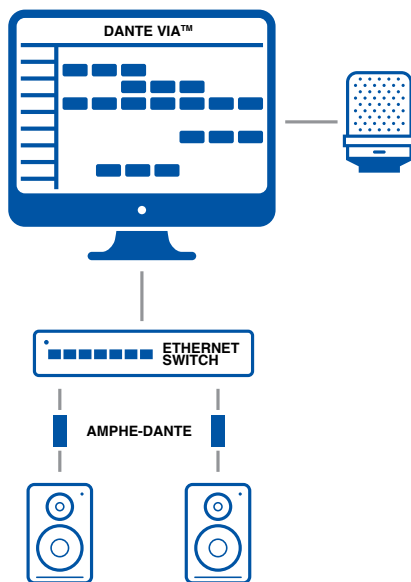
Amphe-Dante products use Power over Ethernet (PoE). Power can be provided through the Ethernet cable from a PoE-capable network switch, or from a separate PoE injector.



Examples

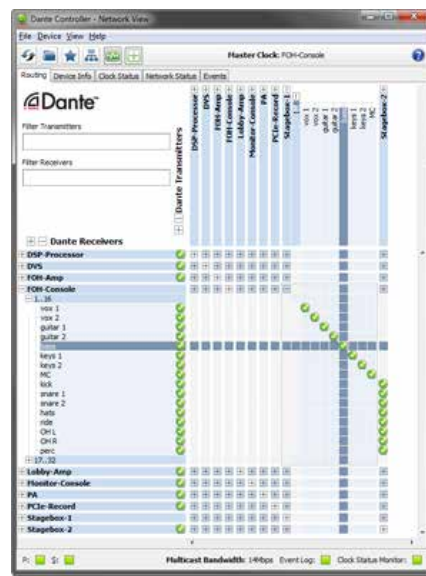


Example 1 - Connecting analog audio equipment to a Dante system. Amphe-Dante can be used to easily integrate traditional analog audio equipment into a networked Dante system. A large ecosystem of Dante devices is available, including Dante-enabled mixing consoles, DSP units and wall plates. In the far left diagram, a zoned audio system is shown with traditional analog amplifiers and speakers connected to the Dante network using Amphe-Dante devices.



Example 2 - Routing local computer audio to traditional devices over a Dante network. In combination with Dante Via software, Amphe-Dante can create simple audio systems using computer software (e.g. iTunes®, Spotify®, etc) and USB audio devices (e.g. a microphone). In the diagram above, a simple background music system with a microphone input for announcements is shown, where Amphe-Dante is used to connect networked audio channels to a pair of traditional analog powered loudspeakers.

Dante Controller



All software can be purchased and downloaded at amphenolaudio.com/products/dante

XLRnet

Features

- XLR RJ45 Cable plug housing
- Designed for pre-assembled RJ45 cables
- Quick and simple installation
- Cost effective method for harsh environments
- No cabling in field required
- No tools required for installation
- Available in Nickel or Black housings
- Coloured boots / Backshells



Fibre Optic NEW

Features

- Environmental IP67 / 68 rated fibre optic connectors
- Metal housings
- LC type
- Thru adaptors
- Cost effective thermoplastic housings
- Protective caps
- 2 or 4 channel Singlemode or Multimode connectors available on special order.
Please contact us for larger fibre channels count up to 31ch



HDMI/USB NEW

Features

- Standard D-Shell panel cutouts
- USB 3 Adaptor
- HDMI Adaptors
- D-SUB 9 pole male
- D-SUB 9 pole female
- D-SUB 15 pole male
- D-SUB 15 pole female
- LC Fibre Adaptors



XLR Connectors

AX Series



Features

- One piece ground/latch spring design
- Channel I.D capability with coloured sleeves
- Oversized ergonomic latch for quick & easy mating
- Chuck style cable clamp to suit 3mm - 8mm (0.118" - 0.314")
- Overmolded boot with flex bend relief for improved aesthetics, cable protection and boot retention
- Available in 3, 4 and 5 contact arrangements
- Precision machined pin contacts as standard

Options

- Coloured I.D sleeves
- Satin nickel or Black shell finish
- Single or Bulk packaging
- Gold plated contacts

AC Series



Features

- "Jaws" cable retention system provides up to 44kg (100lb) of strain
- The AC series connector can be quickly and easily assembled without screws – by hand or portable termination tool (Part number T2860)
- Available in 3, 4, 5, 6A and 7 contact arrangements
- Complies with IEC268-12, AES 14-1992
- CSA file number 68598

Options

- Metal or Thermoplastic shells
- Satin Nickel or Black shell finish
- Gold plated contacts
- Coloured Boots and Rings
- Standard or Large cable clamp

AC Z Series



Features

- The "D" size housing can be either front or rear mounted using the same panel cutout
- Solder cup or Vertical PCB versions
- Connectors are fitted with a grounding system for RFI shielding applications
- Available in 3, 4, 5, 6A and 7 contact arrangements
- Complies with IEC268-12, AES 14-1992
- CSA file number 68598

Options

- Vertical PCB contacts
- Gold, Silver or Tin Plated Contacts
- Bulk Packaging
- Satin, Nickel or Black finish

Phone Connectors

Q Series NEW



Features

- Slimline design
- Mono or Stereo (TRS)
- Chuck style cable clamp
- Cable O.D. 3.5mm – 7mm (0.137" – 0.275")
- Overmolded cable boot
- Diecast shell
- Easy to assemble

Options

- Nickel or Gold contact plating
- Nickel or Black shell housing finish

T Series



Features

- Mono or Stereo (TRS)
- Straight or Right angle housing
- Stylised shell design with Ergonomic grip
- Increased solder area on ground contact
- "Jaws" Cable Clamp
- Robust diecast shell in Satin nickel/Black finish
- Straight - Cable O.D 3 - 7.5mm (0.118" - 0.295") dependant on Jaws clamp
- Right Angle - Cable O.D 3 - 6mm (0.118" to 0.236") dependant on Jaws clamp
- Optional heavy duty metal backshell / boot
- Quick and easy assembly

Options

- Nickel or Gold plated contacts
- Large or Standard Jaws cable clamp
- Satin or Black finish shell
- Metal backshell / boot
- Coloured I.D grommets
- Bulk pack

M Series



Features

- Mono or Stereo (TRS)
- Compact Shell type
- Straight or Right angle housing
- Stylish shell design
- Flexible grommet cable protection
- Diecast shell
- Coloured Grommet
- Improved Solderability
- Enhanced design feature eliminates tip rotation

Options

- Nickel or Gold plated contacts
- Satin or Black finish shell
- Coloured I.D grommets
- Bulk pack

RCA Connectors

Features

- Stylish design
- Flexible grommet cable protection
- Robust diecast shell
- Gold plated contacts
- Colour coded
- Good solderability
- Quick and easy assembly
- Panel mount utilises standard 'D' type housing
- Red, Black, White, Yellow, Blue or Green shell

Options

- Satin Nickel shell with coloured I.D grommets
- Red, Green, Blue, Yellow, Black and White cable connector shells
- Red, Green, Blue, Yellow, Black and White coloured inserts for panel connectors
- Bulk pack



BNC 75Ω Connectors

Features

- Internationally standardised BNC mating face dimensions
- True 75 ohm connectors with a typical VSWR reading of 1.06:1 at 2000 MHz are identified by an asterisk following the part number in our full line catalogue
- Wide range of cable plugs to suit different cables
- Jack to Jack adaptors
- Standard audio "D" type housings
- Patching panels and U-Links.
- All adaptors are Isolated from ground

Options

- Crimp plugs to suit common cable types
- Custom design available on request
- Solder bucket or Crimp
- Crimp tools



G Type - Mini XLR Connector

Features

- Miniature version of the standard XLR series
- Zinc diecast or precision machined metal housings
- Metal cable clamp supports cables from 2-5mm
- Precision machined pin contacts
- Stamped socket contacts
- Solder cup or Printed circuit board contacts
- Available in 3, 4, 5 or 6 contacts
- Positive latchlock
- Flexible cable grommet

Options

- Gold plated contacts
- Nickel finish shell
- Printed circuit board contacts
- Vertical or Horizontal



PCB Connectors

A Type



B Type

C Type



Features

- Thermoplastic Shell
- A leading first mate last break socket contact is standard on all female connectors (Pin 1)
- Vertical or Horizontal PCB
- Latching and Non-latching versions available
- A range of different grounding options are available including:
 - Mating connector shell to Pin 1
 - Mating connector shell to Chassis
 - Mating connector shell to pin 1 to Chassis
- Available in 3 or 5 contacts
- Compatible with all other XLR brands
- Precision machined pin contacts
- Bulk packed in trays, 100 to a box as standard
- UL, cUL recognized components

Options

- Vertical PCB contacts
- Horizontal PCB contacts
- Solder bucket pin contacts
- Various grounding options
- Latching or Non - latching types

Features

- Thermoplastic Shell with Metal
- Mounting Flange
- Industry standard PCB footprints
- Improved grounding performance
- A range of different grounding options are available including:
 - Mating connector shell to Pin 1
 - Mating connector shell to Chassis
 - Mating connector shell to pin 1 to Chassis
- Vertical or Horizontal PCB mounting
- Available in 3 or 5 Contacts
- Precision machined pin contacts
- Gold plated contacts
- Bulk packed in trays, 100 to a box as standard
- Latching and Non - latching versions available

Options

- Vertical PCB contacts
- Horizontal PCB contacts
- Solder bucket pin contacts
- Various grounding options

Features

- The AC Series C type chassis receptacles feature two connectors in the one space saving housing
- A combined XLR female receptacle together with a 6.35mm (1/4") phone jack gives the designer more flexibility ensuring premium board space is saved
- Various configurations are available in either stereo or mono layouts with Vertical, Horizontal Printed Circuit Board or Solder contacts
- Low profile design offers a 15% space saving.
- Industry standard PCB footprint
- Positive latch lock system (XLR)

Options

- Solder contacts
- Vertical PCB contacts
- Horizontal PCB contacts
- Bulk Packaging
- Latching or Non - latching types
- 5, 6, 9 and 10 pole

XLRnet



Features

- RJ45 Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) Ethernet performance
- A or B type chassis housings
- Shielded or non-shielded
- LED indicators in a variety of colours.
- Horizontal or Vertical PCB
- Mates with XLRnet cable plugs or standard RJ45 plug

Phone Jack



Features

- Mono or Stereo (TRS)
- Stackable (Piggy back) mounting with rear clip
- Printed Circuit Board Mount
- Solder or Combo type contacts
- Mono or Stereo with switched contacts
- Metal or Plastic nuts or washers

Options

- Vertical PCB contacts
- Horizontal PCB contacts
- Solder or Combo contacts
- Switched options
- Single or Stacked versions
- Various nut and washer options
- Bulk packed

3.5mm / 6.35mm Jack



Features

- Mono or Stereo (TRS)
- Dual 3.5mm / 6.35mm
- Single 3.5mm
- Single 6.35mm
- Printed Circuit Board contacts

Options

- Vertical PCB contacts
- Horizontal PCB contacts
- Dual or Single housings
- Bulk packed

High Power Connectors

HPT Series NEW



Features

- AC Power Connector
- 3 pole
- 16A
- Chuck style cable clamp
- Thermoplastic housing
- Cable O.D. 6mm to 12mm (0.23" - 0.47")
- Overmolded cable boot
- Diecast shell

- Easy to assemble
- Rated IP65
- U.S. Patents pending

Options

- Nickel or Gold contact plating
- Nickel or Black shell housing finish

HP Series



Features

- Quick release, vibration resistant latch lock
- 3 pole
- Screw Terminals or Solder Tab 3/16"
- Chuck type cable clamp
- 25A Current rating
- Thermoplastic housing
- Industry standard mating
- UL, cUL recognized components (File no. E339831)

Speaker Connectors

SP Series



Features

- Quick release, vibration resistant latch lock
- 2 or 4 pole
- Solder tabs, PCB Contacts, Solder or Screw Terminals
- Chuck type or PG Gland cable clamp
- Various mounting hole options
- 30A Current rating
- Thermoplastic or Metal housing (Cable Plugs)
- UL, cUL recognized components (File no. E339831)
- Industry standard mating

EP/AP Series



Features

- High current contacts for distortion free signal
- Quick release vibration resistant latch lock
- EP supports cable O.D 9 - 16mm (0.35" - 0.63")
- AP supports cable O.D 11 - 17mm (0.43" - 0.67")

Options

- Black metal shell (EP)
- EP available in 3, 4, 5, 6 and 8 contacts
- AP available in 4, 5, 6 and 8 contacts

Multipin Connectors

MP41 Series



Features

- 13 to 150 pins
- Gold plated "combo" contacts
- Environmental resistant
- Black finish
- Positive Bayonet locking
- 2000 mating cycles
- Extended coupling ring for improved grip

Options

- Protective dustcaps with stainless steel lanyards

MP62/65 Series



Features

- 39 or 61 pins
- Environmental resistant
- Gold plated solder contacts
- Black finish
- Neoprene insert
- Positive bayonet locking

Options

- NPT threaded backshells (MP65 series)
- Protective dustcaps with stainless steel lanyards

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