

DIGITAL SIGNAL PROCESSORS

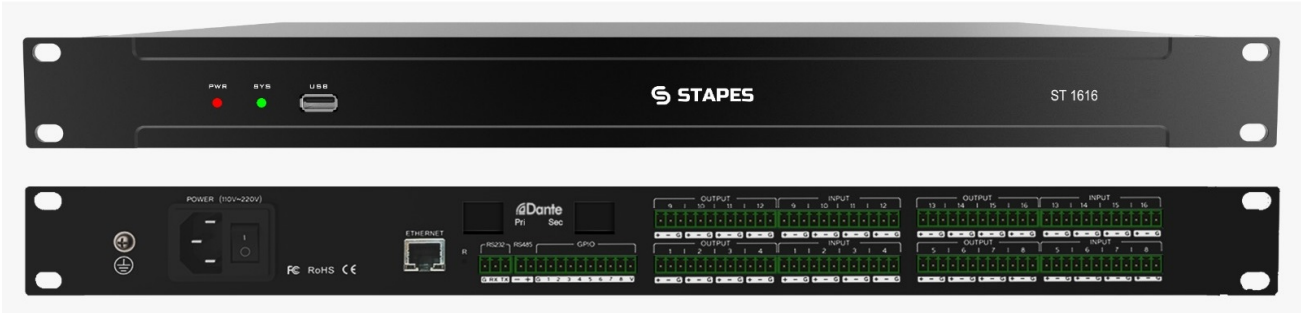
 **STAPES**

**CATALOG
2025**

COMPANY PROFILE

Founded in 2020, Stapes is dedicated to the design, production, and sale of professional audio products for global markets. Our product line includes Digital Signal Processors, Digital Conference Systems, Dante-enabled devices, Microphones, Hi-Fi Audio solutions, and more. We also offer customized end-to-end solutions tailored to customer requirements, catering primarily to applications in conferences, education, hospitality, and similar sectors.

With a wide and comprehensive range of high-quality products, Stapes has established a global presence and earned key certifications such as CE, RoHS, and ISO 9001. Everyday, we continue to innovate and improve– guided by the core values that have made Stapes a trusted name in quality and service.



DIRECTORY

Dante Digital Signal Audio Processor

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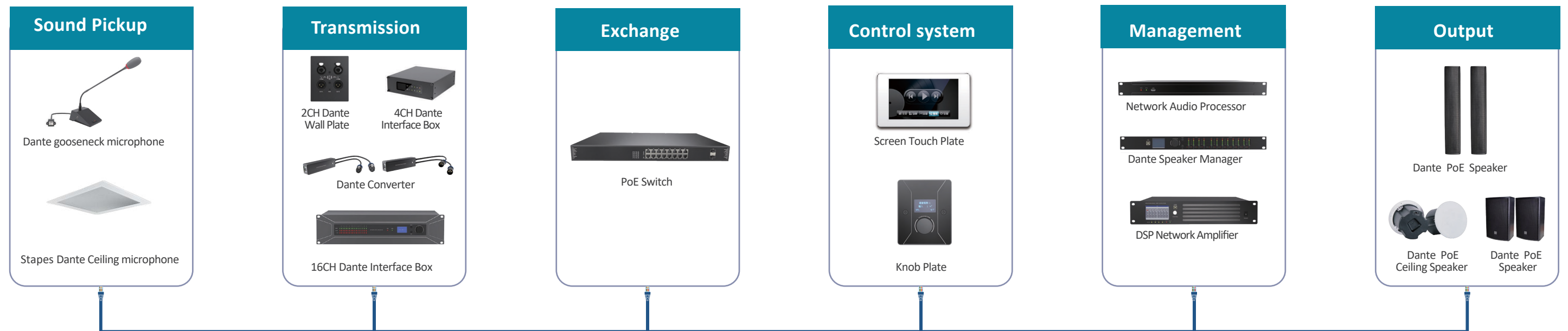
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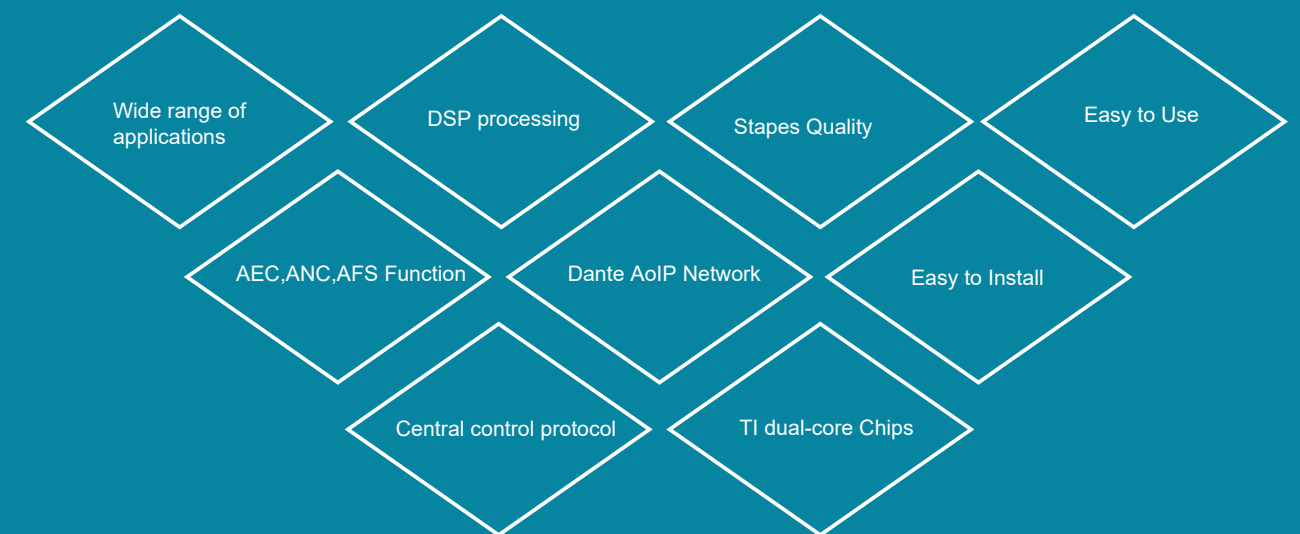
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STAPES PRODUCT OVERVIEW



Advantages





Open architecture Sytem

Building adaptive open processors

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Oversized system support
- 

Rich I/O interfaces
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Unified software platform
- 

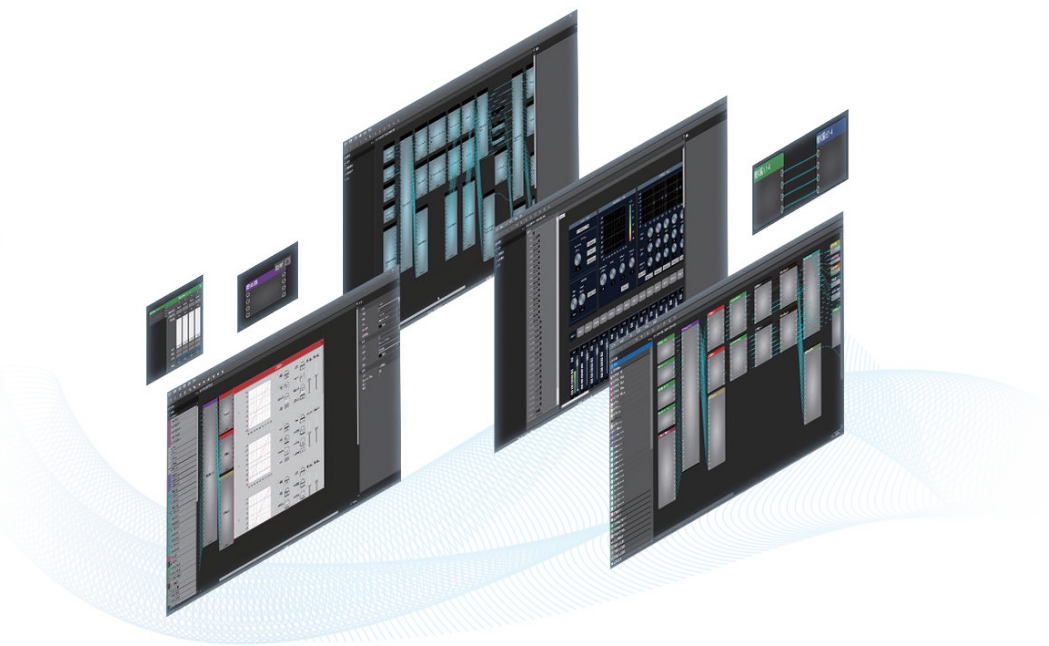
Powerful DSP processing
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Open design
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Open interaction



Software Interface



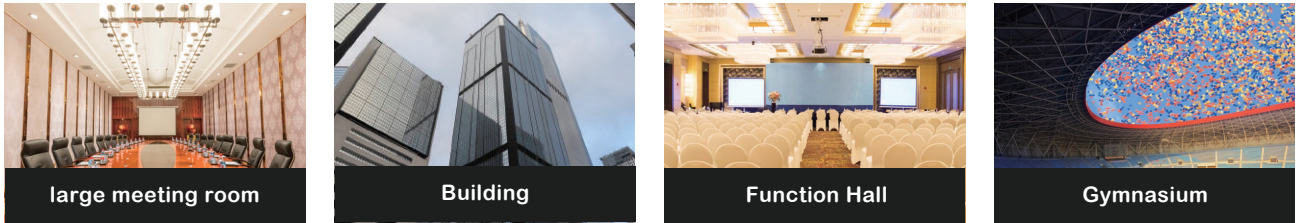
- Construction of open architecture system
- Visualized User Interface
- Fully supported third-party control

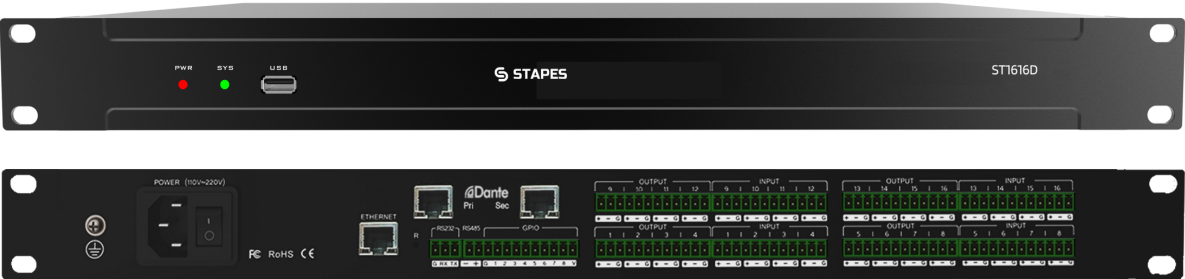
The ST -6464DS digital audio processor is a freely designed audio processing and system control product, mainly used for high-end conference and sports venue sound reinforcement, with complete algorithm types and functions. Adopting advanced DSP processing technology and built-in excellent conference application technology, t has rich I/O interfaces either, with only 1U processors equipped with multiple analog I/O interfaces, USB A interface, USB B interface, RS232 interface, and GPIO interface.

Analog input / output channel	16 x 16
Dante input / output channel	64 x 64

Application

Suitable for large conference rooms, buildings, multi-function halls, stadiums and other super-large scenes.



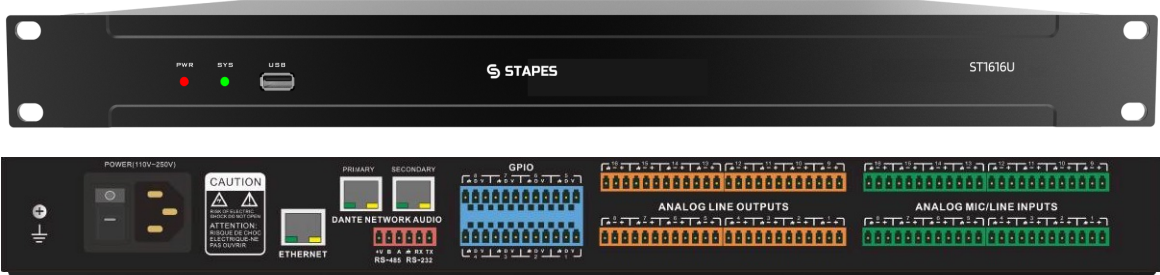


Product Features

- Channel:8 CH,12CH,16CH
- It supports USB recording and playback function, support RS232, RS485, GPIO control interface, perfect connection of various control devices,Optional USB Sound Card(USB Sound Card is only for MX-0808D)
- Support mobile phone, tablet control and distributed cloud control
- DSP audio processing, built-in automatic mixer, feedback elimination(AFC), echo elimination(AEC), noise elimination (ANC) function
- Input per channel: Front stage amplifier, signal generator, expander, compressor, 5 stage parameter equalization
- Output per channel: 31 Section diagram equalizer, delay device, frequency divider, limiter
- Full function matrix remix
- Built-in automatic camera tracking function
- Support for scenario presets;
- Automatic memory protection when power off
- 1U Whole aluminum chassis
- Built-in Dante audio module

Specification

Model No.	ST-0808D/ST-1212D/ST-1616D	No. of Channel	Analog:8CH/12CH/16CH Dante:8CH/~12CH/16CH
Frequency Response	20 - 20Khz, ±0.2 dBu	Sampling	48KHz
Maximum input level	+18 dBu, Balanced	Digitalizing bit	24bit
Maximum output level	+18 dBu, Balanced	Floor Noise	-90dBu
THD+N	<0.003% @ 4 dBu	Input impedance	20 KΩ
Channel isolation	104 dB @ 1 KHz	Output impedance	100 Ω
Size	482x258x45(mm)	Weight	4kg



Product Features

- Dante network audio processor maximum support 16 way analog input and output and 16 way Dante digital input and output channel, built-in Dante network transmission module, It provides low delay and high fidelity audio signal transmission under the support of high broadband network.
- Channel : 8X8,16X16
- Processor :ADI SHARC 21489@450 MHz SIMD;
- DSP processing capacity :400 MIPS, 1.6 GFLOPS;
- Provide 8 devices for online operation at the same time;
- Built-in one in one out USB sound card, support music playback, recording and soft video conference (such as: ZOOM, Tencent conference, Dingding conference, etc.);
- Bus type AEC, tail time: 512ms, convergence rate: 60dB/S, echo cancellation amplitude: 60dB;
- Independent channel AFC (feedback suppression), using notch algorithm, sound transmission gain increase amplitude: 10dB;~
- Noise suppression (ANS), signal-to-noise ratio increased by 18dB
- Dodge device (Ducker);
- Noise gain compensator (ANC)
- Gain sharing automatic mixing (AMC), Gate Mixer;
- 12 period of British equilibrium parameter, provides 5 kinds of filter options: Parametric, Lowshelf, Highshelf, Lowpass, Highpass;
- Provides customized operation interfaces for terminal users. A maximum of 30 devices can be managed on one interface.
- Support camera tracking;
- With 8-way GPIO;
- With the central control function, support RS232, RS485, UDP three control modes, can be the system power, signal switching, environmental control, audio control and other overall control, to achieve a key to open the system required functions.1U Whole aluminum chassis

Specification

Model No.	ST-88U/ST-1616U	No. of Channel	Analog:8CH/16CH Dante:8CH/16CH
Frequency Response	20 - 20Khz, ±0.2 dBu	Sampling	48KHz
Maximum input level	+18 dBu, Balanced	Digitalizing bit	24bit
Maximum output level	+18 dBu, Balanced	Floor Noise	-90dBu
THD+N	< -94dB@4dBu	Input impedance	20 KΩ
Channel isolation	104 dB @ 1 KHz	Output impedance	100 Ω
Size	482x260x45(mm)	Weight	4kg



Product Features

- Channel:8 CH,12CH,16CH
- It supports USB recording and playback function, support RS232, RS485, GPIO control interface, perfect connection of various control devices,Optional USB Sound Card
- USB Background music playback and recording function
- Support mobile phone, tablet control and distributed cloud control
- DSP audio processing, built-in automatic mixer, feedback elimination(AFC), echo elimination(AEC), noise elimination (ANC) function
- Input per channel: Front stage amplifier, signal generator, expander, compressor, 5 stage parameter equalization
- Output per channel: 31 Section diagram equalizer, delay device, frequency divider, limiter
- Full function matrix remix
- Built-in automatic camera tracking function
- Support for scenario presets;
- Automatic memory protection when power off
- 1U Whole aluminum chassis
- Built-in Dante audio module

Product Features

- Suitable for meeting room, campus, art performance, concert and other scene areas.
- With a B/S architecture server, access through a web browser, not only to achieve channel control and scenario selection, but also directly provide PC client and platform components download links.
- System built-in lock screen function, can effectively avoid the wrong operation.
- DSP audio processing, built-in automatic mixer, optional feedback elimination
- Input per channel: Front stage amplifier, signal generator, expander, compressor, 5 stage parameter equalization
- Output per channel: 31 Section diagram equalizer, delay device, frequency divider, limiter
- Full function matrix remix
- Built-in automatic camera tracking function
- Support for scenario presets;
- Automatic memory protection when power off
- 1U Whole aluminum chassis~~
- MX-0808D-C:Built in 4CH Dante module.

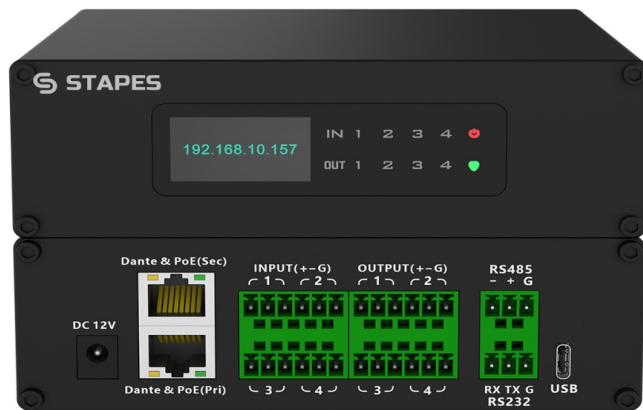
Specification

Model No.	DSP0808 /DSP-1212 /DSP-1616	No. of Channel	Analog:8CH/12CH/16CH Dante:8CH/~12CH/16CH
Frequency Response	20 - 20Khz, ±0.2 dBu	Sampling	48KHz
Maximum input level	+18 dBu, Balanced	Digitalizing bit	24bit
Maximum output level	+18 dBu, Balanced	Floor Noise	-90dBu
THD+N	<0.003% @ 4 dBu	Input impedance	20 KΩ
Channel isolation	104 dB @ 1 KHz	Output impedance	100 Ω
Size	482x258x45(mm)	Weight	4kg

Specification

Model No.	MX-0808D-C	No. of Channel	Analog:8CH Dante:16CH
Frequency Response	20 - 20Khz, ±0.2 dBu	Sampling	48KHz
Maximum input level	+18 dBu, Balanced	Digitalizing bit	24bit
Maximum output level	+18 dBu, Balanced	Floor Noise	-90dBu
THD+N	<0.003% @ 4 dBu	Input impedance	20 KΩ
Channel isolation	104 dB @ 1 KHz	Output impedance	100 Ω
Size	482*258*45(mm)	Weight	3kg

ST0404-U 4 CH MINI Dante Audio Processor



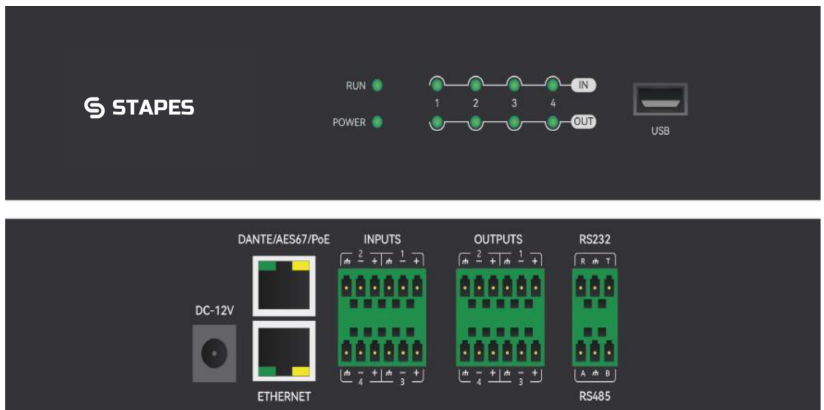
Product Features

- DB0404-U can meet the high-quality and low-latency requirements of network audio transmission. It supports 4 balanced input and 4 balanced output analog channels, supports PoE+DC 12V dual power supply, and provides PC version control software for monitoring and operating the phantom power supply, mute and gain adjustment of the interface device
- Input and output signal matrix mixing, mixing component control, 24bit/48KHz sampling frequency, high-performance dual-core floating-point high-speed DSP processor;
- Input each channel: preamplifier, 5-band parametric equalizer, compressor, ducker, Independent AFC, AEC, ANC channel;
- Output per channel: 31-band graphic equalizer, limiter;
- Input mute switch, analog input channel phantom power switch;
- Each channel output mute switch;
- Support PC client software control, the machine has a built-in client and supports online downloading;
- Intuitive and graphical software control interface, which can work in Windows 7, 8, 10, 11 and other system environments;
- Support USB sound card function. Configured with RS485 interface, bidirectional RS485 interface, standard Ethernet control interface and USB Type C sound card interface;It can be use at video conference.
- Supports 8 sets of scene presets, scene addition, saving, deletion and other functions;
- PoE power supply, can be used with 802.3af standard POE switch.
- Network audio expansion can be provided through the Dante protocol, with a number of 8 (4*4) channels.

Specification

Model No.	ST0404-U	Analog channel	4 balanced inputs + 4 balanced outputs
DANTE channel	4 inputs + 4 outputs	USB sound card	1 input + 1 output
RS232/RS485 interface	1/1	Input gain amplification~	36dB
Number of quantization bit	24bit	Sampling Rate	48kHz
THD+N	≤0.003%@4dBu	Input impedance	20 KΩ
Channel isolation	104 dB @ 1 KHz	Output impedance	100 Ω
Size	142X157*46mm	Working power supply	AC110V-220V,50Hz/60Hz; DV12V; PoE Power supply

ST-44D 4 CH Dante Audio Processor



Product Features

- Analog input channel: 4;Analog output channel: 4;Dante channel:4X4
- Built-in two in two out USB sound card, support music playback, recording and soft video conferencing , Such as: ZOOM, Tencent Conference, Dingding conference, etc.;
- Two channels independent AEC, tail time: 512ms, convergence rate: 60dB/S, echo cancellation amplitude: 60dB; Independent channel AFC (feedback suppression), using notch algorithm, sound transmission gain increase amplitude: 10dB; Noise suppression (ANS), signal-to-noise ratio increased by 18dB
- Eight-stage English parametric equalization provides five filter choices:
- Parametric, Lowshelf, Highshelf, Lowpass, Highpass;
- Provides customized operation interfaces for terminal users. A maximum of 30 devices can be managed on one interface.
- With the central control function, support RS232, RS485, UDP three control modes, can be the system power, signal switching, environmental control, audio control and other overall control, to achieve a key to open the system required functions.
- Audio processor suitable for large multi-system interconnection projects such as hotels, supermarkets, gymnasiums, transportation hubs, theme parks, corporate headquarters, administrative centers and learning hubs.~

Specification

Model No.	ST-44D	No. of Channel	Analog:8CH Dante:16CH
Frequency Response	20 - 20Khz, ±0.2 dBu	Sampling	48KHz
Maximum input level	+18 dBu, Balanced	Digitalizing bit	24bit
Maximum output level	+18 dBu, Balanced	Floor Noise	-90dBu
THD+N	<0.003% @ 4 dBu	Input impedance	20 KΩ
Channel isolation	104 dB @ 1 KHz	Output impedance	100 Ω
Size	215x162x44mm	Working power supply	DC12V/PoE48V



Product Features

- 4 balanced analog inputs, 8 balanced analog outputs;4 inputs support AES signal switching
- High-performance DSP processing, 96k 24bit sampling rate, standard pink/white noise/sine wave signal generator, RMS noise gate, delay (step accuracy 0.01ms), compressor, limiter, per channel level gain Accuracy 0.1dB
- Input 15-band PEQ and output 10-band
- Supports high and low pass (Butterworth\Bessel\ Linkwitz-Riley 6 to 48dB/Oct slope adjustable), PEQ divider adjustable high and low shelf (LSLV, HSLV), supports Allpass\High pass\Low pass\Band pass\Band stop \LPE\HPE various filters Standard dynamic equalization, 3-band DEQ adjustable for each input channel
- Standard configuration is 512Taps 48K FIR phase correction for each input, and standard FIR automatic correction function
- Each output has 512Taps 48K FIR phase correction as standard, and FIR automatic correction function as standard
- USB driver-free automatic connection software, supports TCP/IP centralized management and debugging of multiple machines, and is configured with RS232 central control interface
- Windows installation-free software Mconsole control, can centrally manage multiple devices, optional Android APP wireless network control
- Supports 28 device parameter archives, sets aliases according to project needs, supports archive locking, and hides setting parameters to ensure project stability
- Equipped with LED channel indicators, high-resolution and dynamic audio performance, suitable for high-end sound reinforcement occasions such as stages and bars.

Specification

Model No.	DSP48D	No. of Channel	Analog:8CH/12CH/16CH Dante:8CH/~12CH/16CH
Frequency Response	20 - 20Khz, ±0.2 dBu	Sampling	48KHz
Maximum input level	+18 dBu, Balanced	Digitalizing bit	24bit
Maximum output level	+18 dBu, Balanced	Floor Noise	-90dBu
THD+N	<0.003% @ 4 dBu	Input impedance	20 KΩ
Channel isolation	104 dB @ 1 KHz	Output impedance	100 Ω
Size	482x258x45(mm)	Weight	4kg

Product Features

- SP Series Speaker manager has built-in high-performance DSP processing chip;Also Supports multi-chan-nel simulation, Dante signal input and output, and comes with 31-segment parameter equalizer, gain control, compressor, delay and other functions.
- High performance DSP processing chip, 24bit, 48kHz processing capacity;
 - Support multiple analog signals, Dante signal input and output;
 - Built-in digital audio processing algorithms: gain, delay, EQ, mixing matrix, compressor, divider and limiter.
 - FIR filter with stability and linear phase;
 - Connect via USB or RJ45 cable to achieve PC software control Settings;
 - Save, invoke, import and export functions of multiple scenes;
 - Rotate the encoder select menu switch to facilitate user operation

Specification

Model No.	DSP48D	No. of Channel	Analog:8CH/12CH/16CH Dante:8CH/~12CH/16CH
Frequency Response	20 - 20Khz, ±0.2 dBu	Sampling	48KHz
Maximum input level	+18 dBu, Balanced	Digitalizing bit	24bit
Maximum output level	+18 dBu, Balanced	Floor Noise	-90dBu
THD+N	<0.003% @ 4 dBu	Input impedance	20 KΩ
Channel isolation	104 dB @ 1 KHz	Output impedance	100 Ω
Size	482x258x45(mm)	Weight	4kg

DI22 | 2CH Analog input Dante Adapter

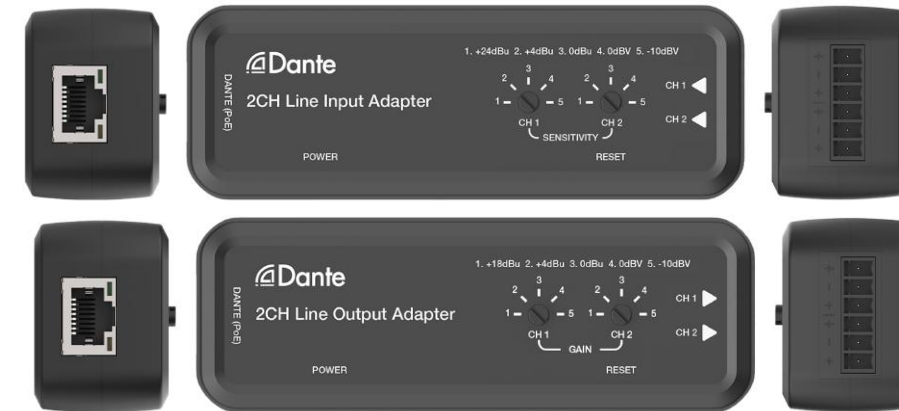
It support 2 analog signal input, convert to Dante digital signal output.

DO22 | 2CH Analog Output Dante Adapter

It support Dante digital signal input, convert to 2 analog signal output.

DU22 | 2CH USB Dante Adapter

It support USB signal and Dante signal conversion

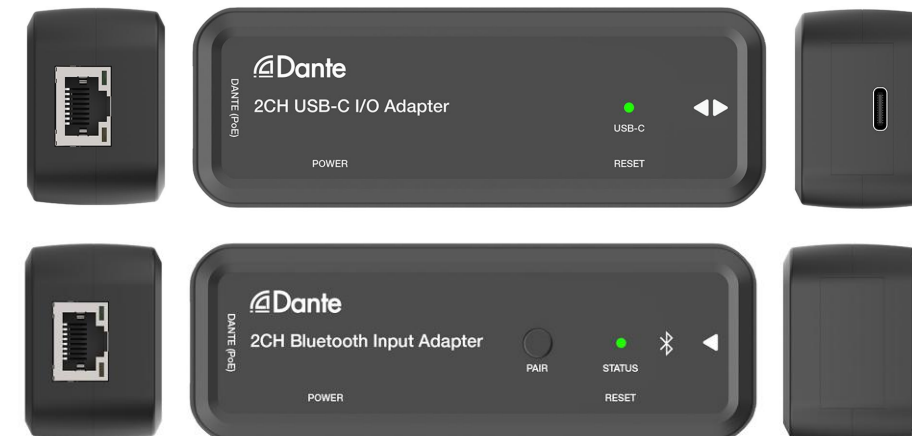
DLI22-P/DLO22-P | 2CH Line input to Dante/Dante in to Line out Adapter(Plastic case)

DLI22-P
2CH Line In to Dante Out Converter

DLO22-P
2CH Dante In to Line Out Converter

Product Features

- Dante 2CH Line Input Adapter (DLI22-P)
- Dante 2CH Line Output Adapter (DLO22-P)
- Analog balanced or unbalanced audio in/out
- Input sensitivity and output gain adjustment
- Dante 44.1/48/88.2/96KHz sample rates @24bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- PoE or local USB-C power supply
- Features Class 1 802.3af PoE for powering of product from any PoE switch

DU22-P/DBT22-P | 2CH Dante to USB-C/Bluetooth to Dante Adapter(Plastic case)

DU22-P
2CH USB-C to Dante Converter

DBT22-P
2CH Bluetooth to Dante Converter

Product Features

- Dante 2CH USB-C I/O Adapter (HDP-AUD22UC)
- Dante 2CH Bluetooth Input Adapter (HDP-AUD2BEN)
- USB 2.0 audio in/out or Bluetooth 5.0 audio in
- Dante 44.1/48/88.2/96KHz sample rates @24bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- PoE or local USB-C power supply
- Features Class 1 802.3af PoE for powering of product from any PoE switch

DP22 | 2 CH Dante Wall Plate



Product Features

- DP22 supports two sets of balanced I/O analog signals to connect to Dante system through local area network. The input interface use a two-in-one XLR to provide phantom power switch and gain adjustment function of input signal. The output interface is standard 3 Pin XLR , output balanced analog signal.
- Dante 2X2 wall panel for conversion between analog audio signal and Dante digital audio signal.
- This device supports 2-channel analog input and 2-channel analog output, supports 2 channels Dante input and 2 channels Dante output.
- This device supports conversion of analog input to Dante digital audio; Supports Dante digital audio to analog audio output.
- Each channel analog input with phantom power supply switch, gain manual adjustment knob.
- POE mode power supply, compatible with 802.3af, 802.3at standard POE switches.
- Front panel independent power indicator.

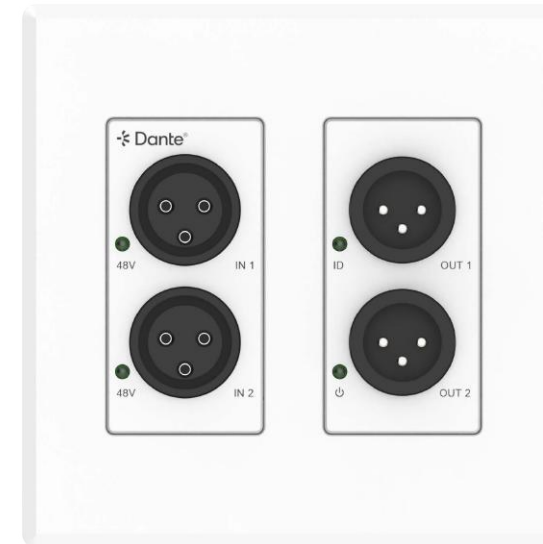
DP22-WH | 2 CH Dante Wall Plate



Product Features

- DP22 supports two sets of balanced I/O analog signals to connect to Dante system through local area network. The input interface use a two-in-one XLR to provide phantom power switch and gain adjustment function of input signal. The output interface is standard 3 Pin XLR , output balanced analog signal.
- Dante 2X2 wall panel for conversion between analog audio signal and Dante digital audio signal.
- This device supports 2-channel analog input and 2-channel analog output.
- This device supports 2 channels Dante input and 2 channels Dante output.
- This device supports conversion of analog input to Dante digital audio; Supports Dante digital audio to analog audio output.
- Each channel analog input with phantom power supply switch, gain manual adjustment knob.
- POE mode power supply, compatible with 802.3af, 802.3at standard POE switches.
- Front panel independent power indicator.
- White Color

DPX22-US | 2 CH Dante Wall Plate



Product Features

- XLR/Dante 2x2 inputs/outputs
- Un-balanced or balanced XLR audio
- MIC Phantom 48V Power and on/off via hard button
- Input sensitivity and output gain control to adjust for different levels of MIC/XLR
- PoE & local power options
- Supports 44.1, 48 & 96KHz sample rates @ 24bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Standard 2-Gang US Decora and UK/EU faceplate design

DPX22-EU | 2 CH Dante Wall Plate



Product Features

- XLR/Dante 2x2 inputs/outputs
- Un-balanced or balanced XLR audio
- MIC Phantom 48V Power and on/off via hard button
- Input sensitivity and output gain control to adjust for different levels of MIC/XLR
- PoE & local power options
- Supports 44.1, 48 & 96KHz sample rates @ 24bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Standard 2-Gang US Decora and UK/EU faceplate design

DLI22-M | 2CH Line In to Dante Out Converter (Metal case)



Product Features

- Balanced or unbalanced audio input with 3 levels sensitivity control
- 44.1/48/96KHz sample rates @24bit
- 1, 2 or 5ms configurable latency using Dante® Controller
- AES67 RTP audio transport supported
- PoE (Class 1 802.3af) or local 12V DC power supply

DLO22-M | 2CH Dante In to Line Out Converter (Metal case)



Product Features

- Balanced or unbalanced audio output with 3 levels gain control
- 44.1/48/96KHz sample rates @24bit
- 1, 2 or 5ms configurable latency using Dante® Controller
- AES67 RTP audio transport supported
- PoE (Class 1 802.3af) or local 12V DC power supply

DU22-M | 2x2CH Dante to USB Two-way Converter (Metal case)



Product Features

- USB Audio Device Class V1.0
- 44.1/48/96KHz sample rates @24bit
- 1, 2 or 5ms configurable latency using Dante® Controller
- AES67 RTP audio transport supported
- PoE (Class 1 802.3af) or local 12V DC power supply

DB0202 | Dante Interface Mic/Line 2 Inputs x 2 Outputs



Product Features

- Two Mic/Line Terminal Block Inputs on Rear Panel.
- Converts Mic or Line Audio Signals to 2 Channels Dante Network.
- Switchable Mic/Line/48V Phantom Power for Each Input.
- Terminal Block for Two Audio Outputs on Rear Panel
- Two Audio Signal Outputs from Dante Network.
- Converts 2 Channels Dante Signals to Two Line Terminal Block Outputs.
- Balanced or Unbalanced Signals for Inputs and Outputs.
- Adjustable Gain Control for Output Level on Rear Panel.
- LED indicators for Signal Level and Clip of Each Input Channel on Front Panel.
- Adjustable Gain from -20 dB to +20dB for Each Input Channel on Front Panel.
- LED indicators for Signal Level of Each Output Channel on Front Panel.
- Power over Ethernet (PoE) or 24VDC power supply
- LED Indicators Show the Status of Power and Network.
- High Resolution 24 Bit for DAC and ADC
- Provides High Quality of Preamp for Microphones.
- Dimension: 143mm x 45mm X 93mm (WHD)

DB0202-CSP | Dante/CSP 2 Input & 2 Output Converter



Product Features

- Convert CSP B and C signals to Dante network
- Convert 2-channel Dante signals to B and C channels of CSP.
- Signal level and limit LED indicator for each input channel on the front panel
- Adjustable gain for each input channel on the front panel is -20 dB to+ 20 dB
- LED indicator for the signal level of each output channel on the front panel. .
- Power over Ethernet (PoE) or 24VDC power supply
- LED indicators show power and network status.
- High resolution 24-bit of DAC and ADC
- Dimension: 143mm x 45mm X 93mm (WHD)

DB0404 | Dante Interface Mic/Line 4 Inputs x 4 Outputs



◀ Product Features

- Provides Dante Interface for Four Inputs / Outputs
- Four Standard MIC or LINE Audio Channels Converts to Dante Network
- MIC/LINE selectable on Each Input
- Gain Control on Each Input
- Provides 48V Phantom Power for Each Condenser Microphone Input
- Accepts Balanced or Unbalanced Signal Inputs
- Each Audio Input Signal LED on Front Panel
- Each Audio Output Signal LED on Front Panel
- Four Balanced Audio Output Line Level from Dante Network
- High Resolution 24 Bit Converts Analog to Digital and Digital to Analog
- LEDs Indicate the Status for Power and Network Sync
- Powered by External 24VDC Power Supply
- Normal Operation with PoE Enable Network Switch
- Dimension: 116mm x 114. 5mm x 53. 1mm (WHD)

DR22 | Audio Line L/R RCA output/ Dante Interface



◀ Product Features

- Dante Interface for Audio Output.
- RCA output Jacks on front panel.
- Converts Dante Audio Signal to Unbalanced Line Level.
- Output Gain Control on front panel~
- Selectable Dante Sample Rates: 44.1 kHz ~ 96 kHz.
- High Resolution Digital to Analog Conversion
- Power over Ethernet (PoE).
- Excellent Audio quality
- Dimension: 92.5mm x 25.2mm x 68.2mm (WHD)

DB0404-CSP | Dante/CSP 4 Input & 4 Output Converter



◀ Product Features

- Convert CSP A, B and C signals to Dante network
- Convert 3-channel Dante signals to A, B and C channels of CSP.
- Signal level and limit LED indicator for each input channel on the front panel
- Switchable Line / Microphone / 48V phantom power for auxiliary input
- Provide high quality preamplifier for microphone
- Adjustable gain for each input channel on the front panelis -20 dB to +20 dB
- LED indicator for the signal level of each output channel on the front panel.
- Power over Ethernet (PoE) or 24VDC power supply
- LED indicators show power and network status.
- High resolution 24-bit of DAC and ADC
- Dimension: 146mm X 41.6mm X 96.9mm (WHD)

DB22i | Audio Line Input/ Dante Interface



◀ Product Features

- Dante Interface for Audio Output.
- Terminal Block Input Jack on front panel.
- Converts Line Audio Signal to Dante Network.
- Input Gain Control on front panel.
- Dante Sample Rates Support: 44.1 kHz ~ 96 kHz
- High Resolution Analog to Digital Conversion
- Power over Ethernet (PoE).
- Excellent Audio quality.
- Dimension: 92.5mm x 25.2mm x 68.2mm (WHD)

BT22 | 2CH Bluetooth Dante Transmission Panel**Product Features**

BT22 is a two-way stereo transmission panel for Bluetooth and Dante. It uses PoE power supply and wall installation.

BT22 connects to mobile phones, iPad and other devices through Bluetooth interface, and converts the received audio signal into network digital signal transmission through Dante. Power, control, and audio data are transmitted by network cables, and there is no need to worry about ground loops or other audio issues. The main applications are teleconferencing, audio media transmission and so on.

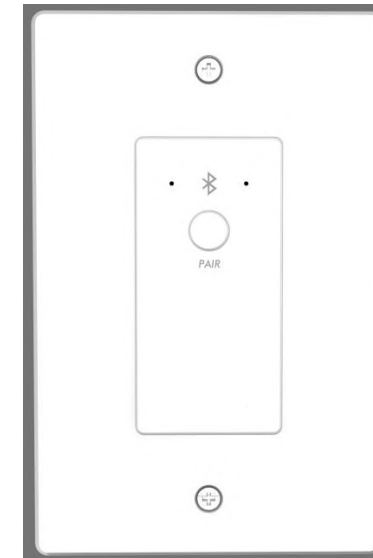
Easy to use, you can control Bluetooth pairing with one button, connect the device, and display the connection status through LED light.

Good compatibility, it can be compatible with most smart phones, Apple iPad and Android tablet, etc.

Power supply and audio transmission integrated, adopt PoE power supply, audio transmission through network cable.

Simple audio routing, configure audio routing through Dante Controller.

Support Dante name modification.

BT22-WH | 2CH Bluetooth Dante Transmission Panel**Product Features**

BT22 is a two-way stereo transmission panel for Bluetooth and Dante. It uses PoE power supply and wall installation.

BT22 connects to mobile phones, iPad and other devices through Bluetooth interface, and converts the received audio signal into network digital signal transmission through Dante. Power, control, and audio data are transmitted by network cables, and there is no need to worry about ground loops or other audio issues. The main applications are teleconferencing, audio media transmission and so on.

1. Easy to use, you can control Bluetooth pairing with one button, connect the device, and display the connection status through LED light.
2. Good compatibility, it can be compatible with most smart phones, Apple iPad and Android tablet, etc.
3. Power supply and audio transmission integrated, adopt PoE power supply, audio transmission through network cable.
4. Simple audio routing, configure audio routing through Dante Controller.
5. Support Dante name modification.

BT44 | 4CH Bluetooth Dante Transmission Panel**Product Features**

BT44 is a signal conversion transmission panel that supports Dante audio interface (4x4) and Bluetooth audio interface (2x2), analog audio interface (RCA or TRS).

It uses PoE power supply and wall mounting. The audio transmission and the power supply of the device are solved by a network cable, and the Bluetooth wireless audio interface and the analog audio interface are supported. The main application scenarios are telephone conferences, audio remote transmission and other application scenarios.

1. Easy to use, you can control Bluetooth pairing with one button, connect the device, and display the connection status through LED light.
2. Good compatibility, it can be compatible with most smart phones, Apple iPad and Android tablet, etc.
3. Power supply and audio transmission integrated, adopt PoE power supply, audio transmission through network cable.
4. Simple audio routing, configure audio routing through Dante Controller.
5. Support Bluetooth name modification.

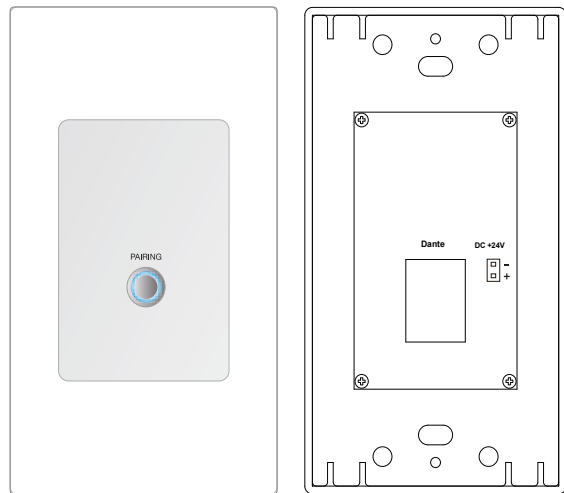
BT44-WH | 4CH Bluetooth Dante Transmission Panel**Product Features**

BT44 is a signal conversion transmission panel that supports Dante audio interface (4x4) and Bluetooth audio interface (2x2), analog audio interface (RCA or TRS).

It uses PoE power supply and wall mounting. The audio transmission and the power supply of the device are solved by a network cable, and the Bluetooth wireless audio interface and the analog audio interface are supported. The main application scenarios are telephone conferences, audio remote transmission and other application scenarios.

1. Easy to use, you can control Bluetooth pairing with one button, connect the device, and display the connection status through LED light.
2. Good compatibility, it can be compatible with most smart phones, Apple iPad and Android tablet, etc.
3. Power supply and audio transmission integrated, adopt PoE power supply, audio transmission through network cable.
4. Simple audio routing, configure audio routing through Dante Controller.
5. Support Bluetooth name modification.

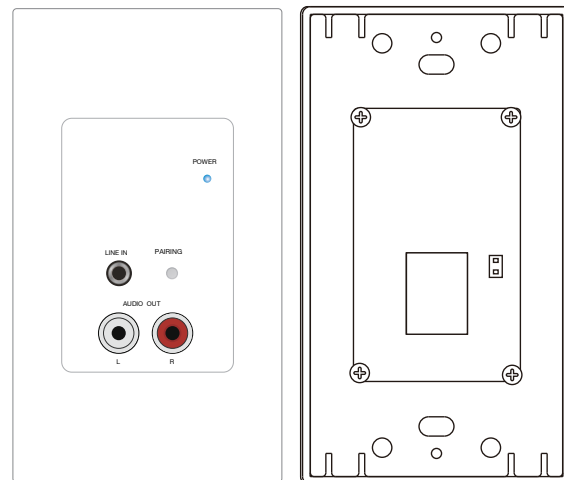
WBT22 | Bluetooth/Dante Wall Plate Interface



◀ Product Features

1. CAT5/6 cable to connect with the Dante network.
2. Simple audio routing and configuration via Dante controller.
3. Convert Bluetooth Audio Stereo signal to 2 Dante network audio channels.
4. Small size integrated mounting bracket which can be installed in very limited space.
5. Advanced Bluetooth V5.1 technology.
6. Simple Bluetooth pairing.
7. Status LED on the front panel.
8. Compatible with a variety of mobile phones, tablets, computers and other devices.
9. Support PoE power supply.
10. Dimension: 70mm x 140mm x 50mm (WHD) –WBT22
87mm x 87mm x 50mm (WHD) –WBT22-EU

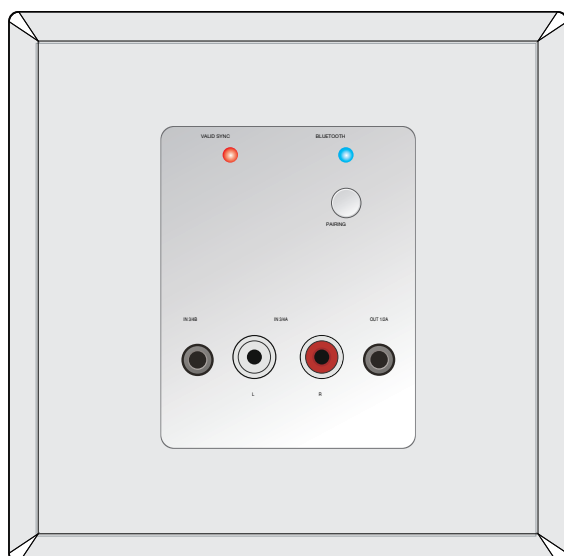
BT22-R | 2x2 Bluetooth/Dante Wall Plate Interface



◀ Product Features

1. Dante Interface 2 input and 2 output channels.
2. Converts 2 channels of Bluetooth or 3.5mm TRS audio signal to Dante network.
3. Converts 2 channels Dante audio to unbalanced RCA audio outputs
4. Easy Bluetooth connection by a single button.
5. Status LEDs indication on the front panel.
6. Good compatibility with most smartphones, tablets or other Bluetooth devices.
7. Power supply via PoE network switch or DC24V input.
8. Simply audio configuration and routing by using Dante Controller.
9. Dimension: 70mm x 140mm x 50mm (WHD) –BT22-R
87mm x 87mm x 50mm (WHD) –BT22-R-EU

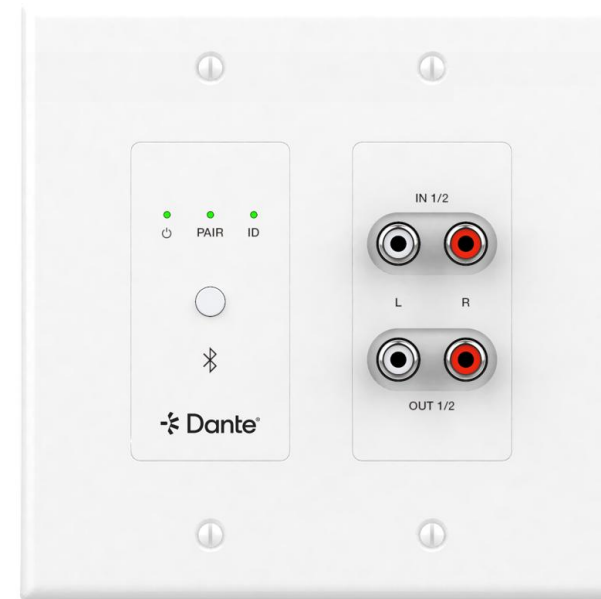
WBT44 | Bluetooth & Line I/O Dante Interface Wall Plate



◀ Product Features

1. Dante Interface 4 input and 4 output channels.
2. Easy Bluetooth connection by a single button.
3. Status LEDs indication on the front panel.
4. Good compatibility with most smartphones, tablets or other Bluetooth devices.
5. Two RCA and one 3.5mm TRS Line level inputs.
6. One 3.5mm TRS Line level output.
7. Power supply and audio transmission via PoE network switch.
8. Simply audio configuration and routing by using Dante Controller.
9. Dimension: 116mm x 114.5mm x 53mm (WHD) –WBT44
87mm x 87mm x 53mm (WHD) –WBT44-EU

BT22-US | 2CH Bluetooth Dante Transmission Panel (US Standard)



◀ Product Features

- Bluetooth and analog audio to Dante wall plate
- Bluetooth V5.1, SBC/AAC/APTX/APTX-LT/APTX-HD, up to 192KHz@24bit
- Bluetooth and analog audio switchable
- PoE & local power options
- Supports 44.1, 48 & 96KHz sample rates @ 24bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Standard 2-Gang US Decora and UK/EU faceplate design

BT22-EU | 2CH Bluetooth Dante Transmission Panel (UK/EU Standard)



◀ Product Features

- Bluetooth and analog audio to Dante wall plate
- Bluetooth V5.1, SBC/AAC/APTX/APTX-LT/APTX-HD, up to 192KHz@24bit
- Bluetooth and analog audio switchable
- PoE & local power options
- Supports 44.1, 48 & 96KHz sample rates @ 24bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Standard 2-Gang US Decora and UK/EU faceplate design

DWP22L | Dante Interface Mic/Line 2 Inputs x 2 Outputs

◀ Product Features



1. One Mic/Line XLR Input and One Minijack Input on Front Panel
2. Terminal Block for Two Audio Outputs on Rear Panel
3. Mini-jack Input is set to Mono signal
4. Converts Mic or Line Audio Signals to Dante Network
5. Mic or Line is Selectable for XLR Input
6. Switchable 48V Phantom Power for Mic XLR Input
7. Adjustable Mic/Line Gain from -20 dB to +20dB for Each Input Channel
8. Two Audio Signal Outputs from Dante Network
9. Balanced or Unbalanced Signal Outputs
10. High Resolution 24 Bit for DAC and ADC
11. Power over Ethernet (PoE) or 24VDC power supply
12. Provides High Quality of Preamplifier for Microphones
13. Dimension: 116mm x 114.5mm x 53.1mm (WHD) –DWP22L-US
14. 87mm x 87mm x 53.1mm (WHD) –DWP22L-EU

DWP44 | Dante Interface Mic/Line 4 Inputs x 4 Outputs

◀ Product Features



1. Two Mic/Line XLR Inputs and One Mini-jack Input on Front Panel
2. Terminal Block for Two Audio Outputs on Rear Panel
3. One Mini-jack Output on Front Panel
4. Converts Mic or Line Audio Signals to Dante Network
5. Mic or Line is Selectable for Each XLR Input
6. Switchable 48V Phantom Power for Each Mic XLR Input
7. Adjustable Mic/Line Gain from -20 dB to +20dB for Each Input Channel
8. Stereo/Mono switch for Mini-jack Input and Output
9. Four Audio Signal Outputs from Dante Network
10. Balanced or Unbalanced Signal Outputs
11. High Resolution 24 Bit for DAC and ADC
12. Power over Ethernet (PoE) or 24VDC power supply
13. Provides High Quality of Preamplifier for Microphones
14. Dimension: 116mm X 114.5mm X 53.1mm (WHD)

DWP22X | Dante Interface Mic/Line 2 Inputs x 2 Outputs

◀ Product Features



1. Two Mic/Line XLR Inputs and Output on Front Panel
2. Terminal Block for Two Audio Outputs on Rear Panel
3. Converts Mic or Line Audio Signals to Dante Network
4. Mic or Line is Selectable for XLR Input
5. Switchable 48V Phantom Power for Mic XLR Input
6. Adjustable Mic/Line Gain from -20 dB to +20dB for Each Input Channel
7. Two Audio Signal Outputs from Dante Network
8. Balanced or Unbalanced Signal Outputs
9. High Resolution 24 Bit for DAC and ADC
10. Power over Ethernet (PoE) or 24VDC power supply
11. Provides High Quality of Preamplifier for Microphones
12. Dimension: 116mm x 114.5mm x 53.1mm (WHD) –DWP22X
13. 87mm x 87mm x 53.1mm (WHD) –DWP22X-EU

DWP42L | Dante Interface 4 x Mic/Line Inputs, 2 x Line Outputs

◀ Product Features



1. Four Mic/Line XLR Inputs on Front Panel
2. Terminal Block for Two Audio Outputs on Rear Panel
3. Converts Mic or Line Audio Signals to Dante Network
4. Mic or Line is Selectable for Each XLR Input
5. Switchable 48V Phantom Power for Each Mic XLR Input
6. Adjustable Mic/Line Gain from -20 dB to +20dB for Each XLR input
7. Two Audio Signal Outputs from Dante Network
8. Balanced or Unbalanced Signal Outputs
9. High Resolution 24 Bit for DAC and ADC
10. Power over Ethernet (PoE) or 24VDC power supply
11. Provides High Quality of Preamplifier for Microphones
12. Dimension: 116mm X 114.5mm x 53.1mm (WHD)



Product Features

DB-0808 and DB-1616 are audio interface devices based on the Dante international universal protocol, which can realize mutual conversion between analog audio signals and Dante network digital audio. This device uses a high-quality AD/DA signal conversion chip, provides 48V Phantom power supply, and can be connected to a higher-quality condenser microphone.

- The audio interface device based on the Dante international general protocol can realize the input of analog audio signals, convert them into digital audio signals, and route them to any Dante audio transmission network device through the Dante protocol;
- Supports the access of any Dante network digital audio, converts it into analog audio signal output, and connects to traditional analog audio equipment such as mixers, power amplifiers, processors, etc.;
- Losslessly transmit audio signals over long distances;
- Realize point-to-multipoint transmission;
- Supports 8 and 16 channels of 48V phantom power and can be connected to condenser microphones;
- High-quality AD/DA signal conversion chip;
- Input includes phantom power supply, channel mute, and sensitivity adjustment functions;
- The output includes channel mute function;
- Comes with TFT screen and embedded GUI software control, which can quickly manually configure and view device network information and help information;
- The panel provides channel signal indicator lights, clipping overload indicator lights, phantom power indicator lights, as well as editing knobs, control buttons, and return buttons.
- Support RS232 central control protocol



Dante
AoIP Network



No compression
transmission ; Ultra
high sampling



Real-time
backup
Safety and stability



Global
configuration
Easy routing



Supports
browser Web
control

Specification

Model No.	DB-0808; B-1616	Dante Channel	8*8/16*16
Sensitivity	0dB~51dB.3dB	Digitalizing bit	24bit
Sampling rate	48K	Frequency Response	20HZ~20KHz,±0.5dB
Maximum input level (balanced)	20dBu	Maximum output level (balanced)	20dBu
Floor Noise	-90dBu	THD+N	<0.002% @ 4dBu
Analog to Digital dynamic range	118dB	Digital to Analog dynamic range	123dB
Input impedance (balanced)	20KΩ	Output impedance (balanced)	100KΩ
Input to output dynamic range	110dB	Inputs CMRR	80dB @ 60Hz
Channel isolation @ 1KHz	100dB	Phantom power	48V
Size	486mm×156mm×110mm		

Applicatoion

Multi Channel Dante Audio Interface series suitable for large conference room, multi-function hall, theater, conference center, extended processor input and remote signal access, distributed processing to reduce the burden of audio processing in the computer room.



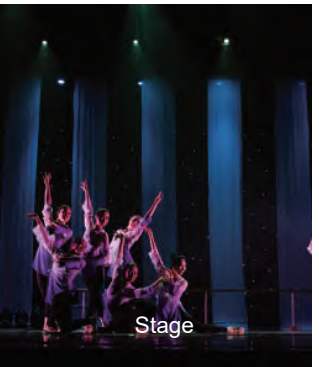
Conference room



Multi-function hal



Theater



Stage



◀ Product Features

- MC3200D array microphone audio processor, using professional audio processor chip, 4 cores, 1.5G main frequency, loaded with industry-leading automatic feedback suppression (AFC), automatic noise suppression (ANS), automatic echo cancellation (AEC), automatic Audio preprocessing algorithms such as gain control (AGC), reverberation suppression (ARR), stationary noise, transient noise, and beamforming can effectively improve the quality of voice reinforcement interaction.
- MC3200 Darray microphone adopts 32 microphones, high sensitivity, wide pickup range, high degree of human voice reproduction, beautiful appearance, simple and diverse installation methods; suitable for special conference rooms for judicial trials, important conference halls for government agencies; medium and large enterprises Medium and large business conference rooms; multimedia classrooms in middle schools and colleges.
 - Built-in professional audio processor and is loaded with industry-leading automatic feedback suppression
 - (AFS), automatic noise suppression (ANC), automatic echo cancellation (AEC), automatic gain control(AGC),reverberation suppression (ARR), smooth noise , transient noise suppression, beamforming, and other audio preprocessing algorithms; can effectively improve the quality of local sound reinforcement and interaction.
 - 12 pickup beam technology, can accurately control the pickup ~area, adaptive switching beam Artificial intelligence noise reduction technology, the original ultra-low delay AI noise reduction model, can
 - effectively suppress various transient noises such as tapping and keyboard
 - Support ten cascades, four installation methods, and flexible configuration of audio routing
 - Built-in 32 high sensitivity digital microphones, Support local sound amplification, sound transmission gain up to 15dB; Support remote conference, pickup diameter up to 20 meters
 - Three-dimensional space accurate sound source positioning, with the camera to effectively track the
 - speaking position.
 - It is suitable for ceiling installation, and the appearance design is novel, elegant, and has strong
 - concealment, which can meet the needs of different customers.
 - Provide PC software, support setting and adjustment of steady noise, transient noise,
 - reverberation suppression, current suppression, automatic gain and other levels; support input, output,
 - microphone volume adjustment;
 - Optional Dante module,Support Dante cascade
 - Support RS485 central control,Most used for video conferencing and local sound reinforcement~



◀ Product Features

The CM80D array microphone audio processor uses a professional audio processor chip with 4 cores and a main frequency of 1.5G. It is also loaded with industry-leading automatic feedback suppression (AFC), automatic noise suppression (ANS), automatic echo cancellation (AEC), automatic gain control (AGC), reverberation suppression (ARR), stable noise, transient noise, beamforming and other audio preprocessing algorithms, which can effectively improve the quality of voice amplification interaction.

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- Built in DSP Processing, With AFS AFC、ANS、AEC、AGC、ARR DSP processing
- Adopt 8 microphones, high sensitivity and wide sound pickup range,
- 6 meters pickup distance
- Support multiple devices cascading
- Built in Dante module and Support PoE power supply
- Support USB Sound Card function, can connect PC directly for video or zoom conference
- With PC software control



Product Features

It is a network microphone that can convert analog audio signals into digital audio signals and supports POE power supply and Dante network signal transmission.

Built-in high-performance embedded CPU, faster processing speed, finely crafted structural design, exquisite surface treatment, fully reflects the exquisite technology of modern industry, with live "hot swap" function, shortcircuit protection function, the system unit provides DANTE digital audio output interface

- Gold film high-fidelity microphone sound head, high-quality pickup guarantee, all metal microphone rod design.
- High sensitivity head, super heart pickup effect, the best pickup distance of 10-50CM.
- With the microphone physical switch. ~~~
- The system unit provides DANTE digital audio output interface

Specification

Model No.	DMIC-G	Directional	Supercardioid
Frequency Response	100-16kHz	Sensitivity	-40dB
Equivalent noise level	< 25dB SPL (A)	Overload harmonic distortion	<1%
SNR	65dB, 1kHz	Mic length	42cm
Maximum sound pressure level	110dB(3%T.H.D.@1kHz, 0dB SPL=2x10Pa)		
Base Size	149mmx94mmx55mm		



Product Features

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- High sensitivity head, super heart pickup effect, the best pickup distance of 10-50CM.
- With the microphone physical switch. ~
- The system unit provides DANTE digital audio output interface

Specification

Model No.	DMIC-S	Directional	Supercardioid
Frequency Response	100-16kHz	Sensitivity	-34dB±2dB
Equivalent noise level	< 25dB SPL (A)	Overload harmonic distortion	<1%
SNR	65dB, 1kHz	Mic length	42cm
Maximum sound pressure level	110dB(3%T.H.D.@1kHz, 0dB SPL=2x10Pa)		
Microphone rod size	232mmx37mmx25mm		



Product Features

- The speaker is a high-performance active DANTE ceiling-mounted speaker, designed for a wide range of commercial applications, suitable for foreground music playback and voice playback in places such as restaurants, schools, hospitals, etc., and has a simple appearance and a cover-up design Blend the speakers with the ceiling.
- Quick and easy ceiling installation.
- Stylish and elegant appearance, combined with any decorative style, provides clear and full bass response. The power supply and signal of the speaker are completed by a network cable, which makes the installation and wiring easier.
- The power supply is powered by a switch with PoE

Specification

Model No.	DC-006
System Type	1 X 6.5"+3 X 1.5" Coaxial unit
Frequency range (-3DB)	80HZ—20KHZ
Pressure level	105
Rated power	30W
Power Supply	PoE
Impedance	8Ω
Input Interface	RJ-45
Size(mm)	240x240
Hole size (mm)	210
Net Weight	3.5kg



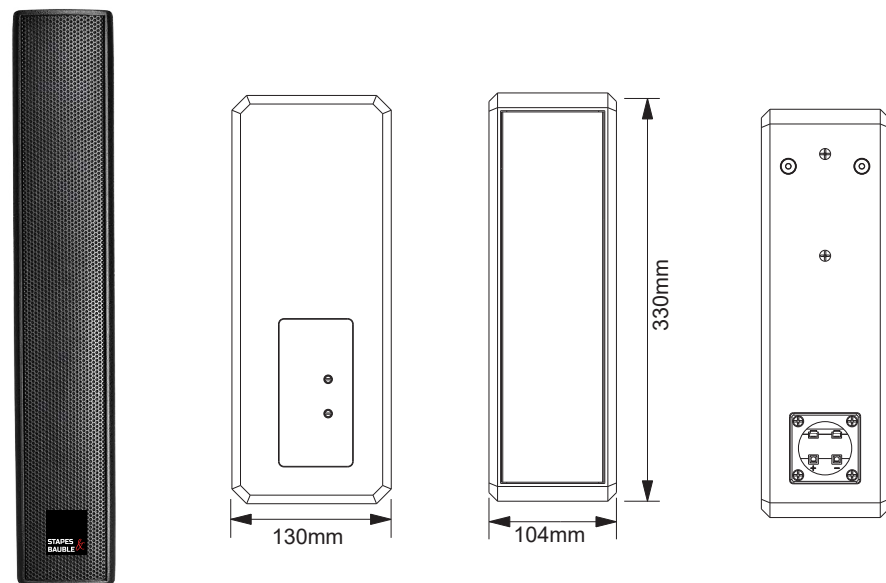
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- The power supply is powered by a switch with PoE

Specification

Model No.	DW-006
System type	Bass 6.5 inch x1, treble 1 inch imported magnesium film + horn drive
Frequency range (-3DB)	70 Hz-21kHz
Rated power	60W
Pressure level	118
Power Supply	PoE
Impedance	8Ω
Input Interface	RJ-45
Protect function	Overcurrent protection; High temperature protection; Overload protection
Size(mm)	197mm X 300mm X 118mm
Net Weight	4.1 Kg

DW-30 30W Dante PoE Column Speaker



Product Features

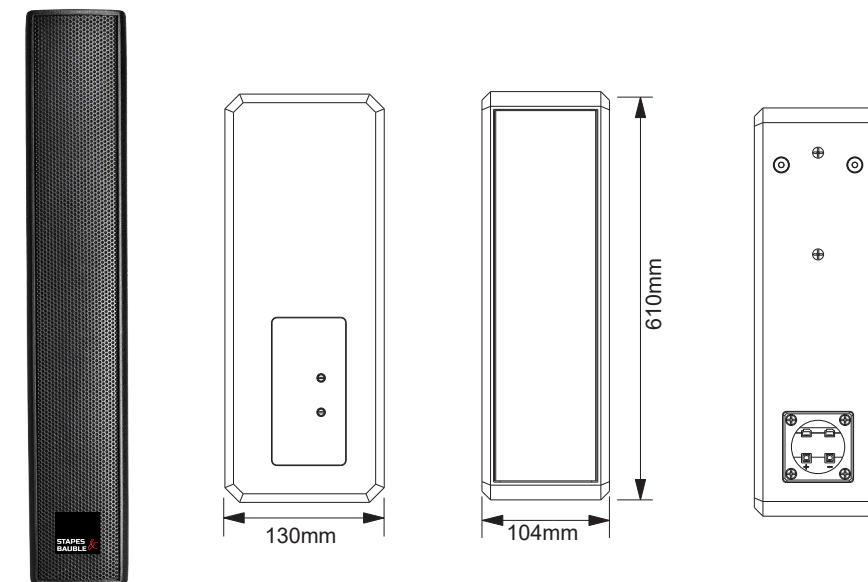
The DW-30 Dante PoE Speaker adopt 4 X 2.75 "full frequency units composed of sound column speaker.The frequency response reaches 220HZ-20khz (-3dB).

- Rated power 30W, short-term maximum power 120W.
- Box body adopts imported laminate, surface baking paint craft manufacture.
- Various installation methods and corresponding optional installation accessories, suitable for installation in a variety of places

Specification

Model No.	DW-30
System Type	4x2.75" full frequency unit
Frequency range (-3dB)	220HZ-20khz (-3dB)
Sensitivity (1W@1m) : Standard mode	Speech mode: 86dB(2khZ-14khz);Music mode: 84dB(300HZ-18khz)
Maximum pressure level (1M) :	Speech mode: 109dB/115dB (peak);Music mode: 107dB/113dB (peak value)
Power	30W rated power (180W peak)
Directivity (H×V)	140 degrees horizontal, 40 degrees vertical
Installation	2 lifting points
Connector	RJ45
Gross Weight	3.0KG
Dimension(H*W.D)	104x130x333mm

DW-60 60W Dante PoE Column Speaker



Product Features

The DW-60 Dante PoE Speaker adopt 8 X 2.75 "full frequency units composed of sound column speaker.The frequency response reaches 220HZ-20khz (-3dB).

- Rated power 60W, short-term maximum power 240W.~
- Box body adopts imported laminate, surface baking paint craft manufacture.
- Various installation methods and corresponding optional installation accessories, suitable for installation in a variety of places

Specification

Model No.	DW-60
System Type	8x2.75" full frequency unit
Frequency range (-3dB)	220HZ-20khz (-3dB)
Sensitivity (1W@1m) : Standard mode	Speech mode: 86dB(2khZ-14khz);Music mode: 84dB(300HZ-18khz)
Maximum pressure level (1M) :	Speech mode: 109dB/115dB (peak);Music mode: 107dB/113dB (peak value)
Power	60W rated power (240W peak)
Directivity (H×V)	140 degrees horizontal, 40 degrees vertical
Installation	4 lifting points
Connector	RJ45
Gross Weight	~5.8KG
Dimension(H*W.D)	104x130x610mm

D250/D2100 2CH 50W/100W Dante Amplifier



Product Features

This Dante Digital Amplifier is a 2-channel digital amplifier designed with Dante Receiver Slot card, which accepts the digital signal from Dante Network and converts to analogue audio signal, as the input source of amplifier.

- Designed in Class D circuit.
- Dante slot card receives the signal from Dante network. 12V Trigger In/Out for external control.
- RCA Line out for signal Loop Out
- Multiple modes to turn on amplifier.
- Universal Power Supply.
- Rack mount ears included.
- 2CH, Each channel power is 50W/100W

Specification

Model No.	D250	D2100
Output Power	50W @ 8 Ohms < 0.1% THD+N 65W @ 4 Ohms < 0.1% THD+N 120W Bridged @ 8 Ohms < 0.2% THD+N	100W @ 8 Ohms < 0.1% THD+N 125W @ 4 Ohms < 0.1% THD+N 225W Bridged @ 8 Ohms < 0.2% THD+N
Impedance:	Stereo mode 4 Ohms (minimum) / Bridged mode 8 Ohms (minimum)	
Power Supply:	100VAC to 240VAC 50/60Hz, 400W	
Standby Power:	< 0.5 Watts	
Dimensions:	214mm x 44mm x 249mm (WxHxD)	
Weight:	1.8 Kg	
Dante Audio Interface		
Dante channel Receivers:	2	
Transmission rate:	100 Mbps	
Resolution:	16/24/32 Bit	
Sampling rate:	44.1 KHz, 48 KHz, 88.2 KHz, 96KHz	
Dante interface:	RJ45 jack	
Power supply:	PoE IEEE 802.3af	

D2120 2CH 120W Dante Amplifier



Product Features

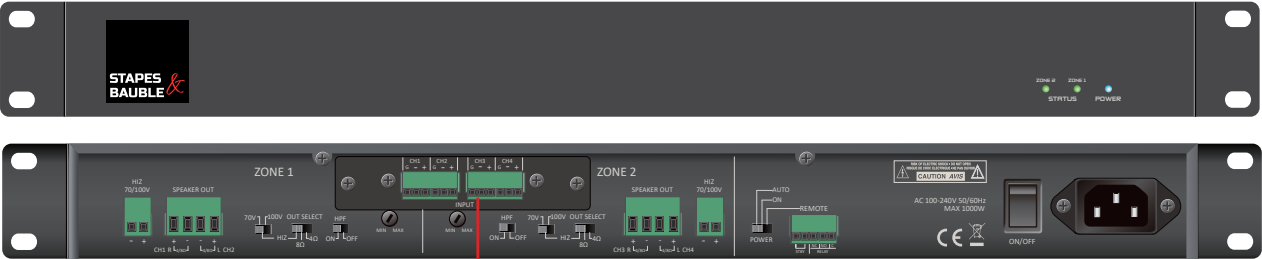
This Dante Digital Amplifier is a 2-channel digital amplifier designed with Dante Receiver Slot card, which accepts the digital signal from Dante Network and converts to analogue audio signal, as the input source of amplifier.

- Two Channels Model – 120W RMS.
- Stereo into 4-8 Ohm loads.
- Bridgeable for 70V or 100V (Direct Drive)
- Slot card for Dante Receiver.
- Power down after ~15 minutes of no signal and comply with Energy Star Power consumption limits of < 0.5W in standby.
- RED LED (Front Panel) to indicated Standby mode is active.
- Terminal Block analog audio inputs on 2 CH amp.
- Switch for High Pass Filter.
- Auto on/off signal sensing.
- Natural cooling without Fan.
- TRIGGER could be external remoting ON/OFF.
- Short circuit protection.
- Overheating protection.

Specification

Output Power	120W x 2, 8 Ω (31 V) RMS @ < 1 % THD+N 120W x 2, 4Ω (22 V) RMS @ < 1 % THD+N 240W, 70V @ < 1 % THD+N 240W, 100V @ < 1 % THD+N
Frequency Response:	20Hz~20KHz, +/- 2 dB @ 4Ω Load
S/N:	>90dB @ 1W(20 Hz - 20 kHz)
Input Sensitivity:	1.0V (+2.2dBu) @ Max Output 4Ω
Gain:	25 dB @ 4Ω
Input Impedance:	>10K Ohm, Balanced
Maximum Input Level:	12.3 V (+24 dBu)
Trigger In/Out:	DC 12V
High Pass Filter:	80 Hz(±2dB)
Input Connector:	5 pin Euro terminal
Trigger Connectors:	3.5 mm Jacks
Output Connectors:	4 pin Euro terminal (4Ω/8Ω) / 2 pin Euro terminal (70V/100V)
Power Requirements:	100 - 240 VAC, 50 - 60 Hz, 350W
Dimensions:	214mm x 44mm x 249mm (WxHxD)
Weight:	1.94 Kg

D4150 4CH 150W Dante Amplifier



D4150L : 4CH Line-in inputs



D4150T: 4CH Dante inputs



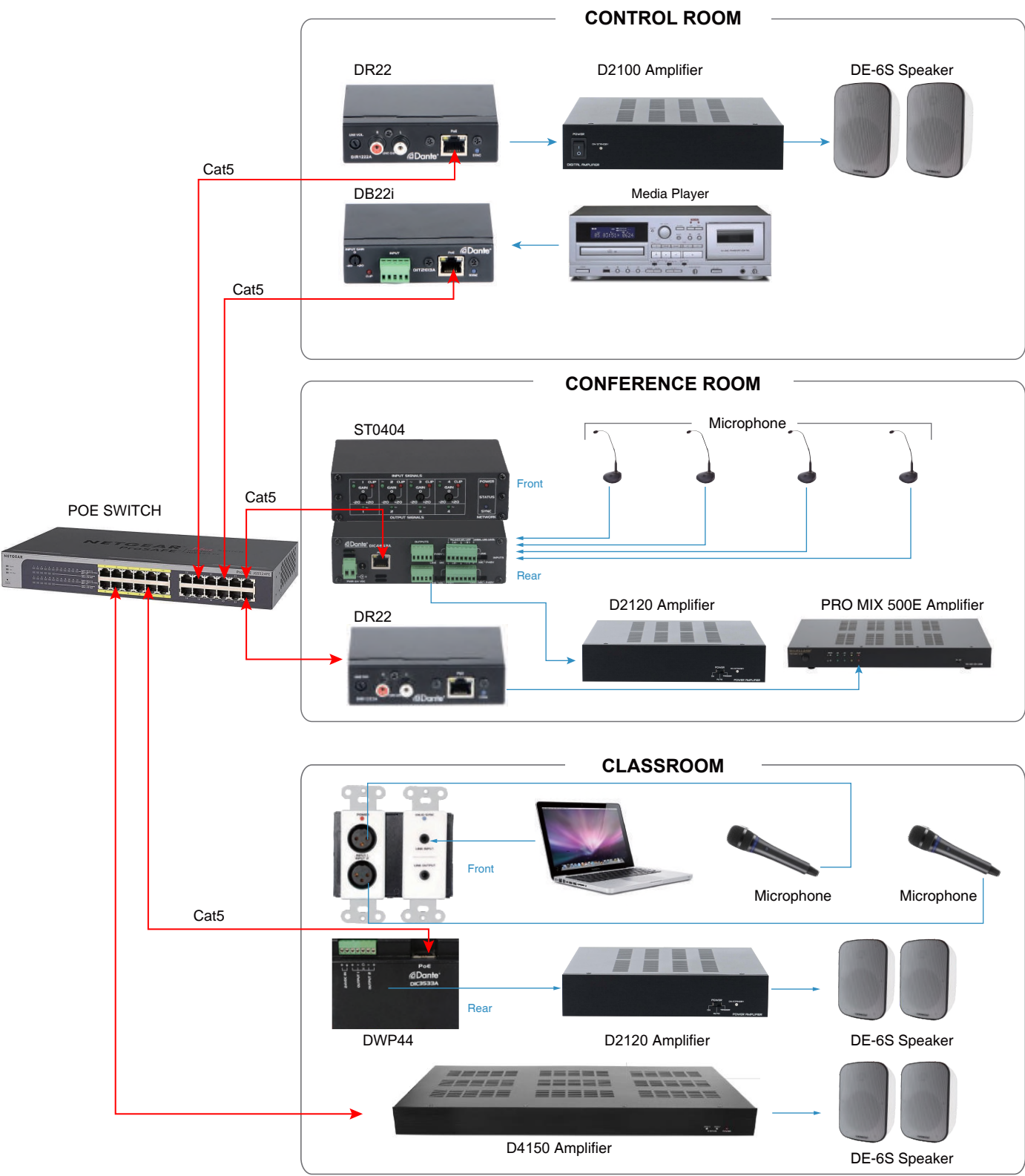
D4150TL: 2CH Line-in & 2CH Dante inputs combination

Product Features

- D4150 series power amplifier available with 4CH Line-i input (D4150L), 4CH Dante inputs (D4150T), and 2CH Line-in plus 2CH Dante inputs combination (D4150TL). 3 models for selection.
 - High efficient Class D technolog
 - Max 600W 4CH/2 zones output with LED indicator o each zone status on front panel.
 - Each zone available with Low Impedance (4/8 ohm and High Impedance(70V/100V) setting selection and HPF function to filter the frequency lower then 80Hz.
- Continue power on, standby mode with additiona remote controlling and monitoring function. (Self-erecting parts of switch and relay are required.)
 - Standby mode activated 15 minutes after no operation and comply with Energy Star Power consumption limits <0.5W.
 - Short circuit, overheating protection
 - Built-in cooling fan.
 - Application: Commercial Space, Restaurant, Shopping Mall, School, Conference room, etc

Specification

Output Power	150W x 4, 8Ω RMS output, per channel @ 1 KHz 1 % THD 150W x 4, 4Ω RMS output, per channel @ 1 KHz 1 % THD 300W x 2, 70V @ 1 KHz 1 % THD 300W x 2, 100V @ 1 KHz 1 % THD
Frequency Response	20 Hz - 20 KHz, +/- 2 dB @ 4Ω Load
Signal to Noise	>90dB A WTD(20 Hz - 20 kHz)
Input Sensitivity	0.775V Balanced, Gain = Max
Input Impedance	>10K, Balanced or Unbalanced
Maximum Input Level	5V - Balanced
High Pass Filter	80 Hz
Input Connectors	6 pin Euro terminal x 2
Remote Connectors	5 pin Euro terminal x 1
Output Connectors	4 pin Euro terminal (4Ω/8Ω) x 2 / 2 pin Euro terminal (70V/100V) x 2
Power Requirements	100 - 240 VAC, 50 - 60 Hz
Power Consumption	1000W, Max
Dimensions	434mm(W) x 237mm(D) x 44mm(H)
Net Weight	3.12 Kg



Product Features

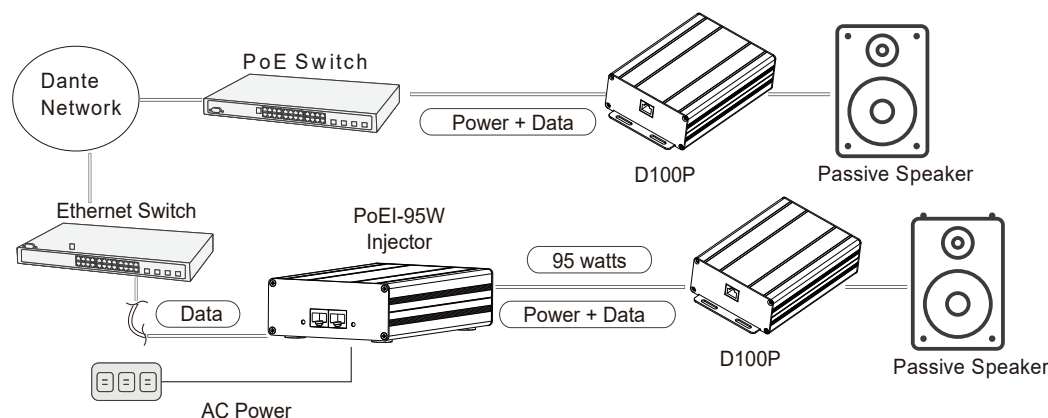
- Compact size design and easy installation Built-in power amplifier
- High efficiency Class D design
- One Dante input channel
- Dante Network audio transmission
- PoE power supply: IEEE 802.3AT standard
- Inexpensive Cat 5e/6 cabling
- Application: Conference room, Multi-Function Hall, Shopping Mall, School, etc.



Specification

	D40P	D100P
Channel number:	1	
Audio input type:	Dante Network	
Connector:	RJ-45	
Speed:	100M/1000M bps	
Network Cable:	Cat5e, Cat6	
Maximizing power output:	40W(4 ohm)802.3at / 20W(8 ohm)802.3at	100W(4 ohm)802.3at / 60W(8 ohm)802.3at
Output connector:	3 Pin Phoenix Connector	
Route control:	Dante Controller	
Frequency response:	20Hz - 20kHz	
Total Harmonic Distortion:	<0.3%	
SNR:	>100 dB (A-weighted)	
Protection function:	Over current, High temperature , Overload / short circuit	
Cooling mode:	Natural convection cooling	
Power input mode:	PoE+ ,compatible with 802.3af	
System power efficiency:	>70%	
Dimension:	65.4×31×119.5 mm (WxHxD)	105×44.1×149.6 mm (WxHxD)

Diagram



Product Features

- Single output port supports PoE power up to 95 watts.
- 2 RJ45 interfaces, one for Data + Power output, one for Data input.
- Auto-detection of PoE IEEE 802.3at/bt equipment and devices from being damaged by incorrect installation
- Maximum distance up to 100 meters for sending power and data.
- LED indicators for AC Power and operation.
- Universal AC 100~240V power input.
- Compact size design.
- Wall-mount design and easy installation.



PWR: LED lights up when AC power presents.
ACT: LED flashes when PoE + Data is operating.

Specification

Connector	Input	RJ45 x 1 (Data In)
	Output	RJ45 x 1 (PoE Out)
	AC Socket	AC Input x 1
LED Indicator	PWR x 1 (RED)	
	ACT (Green)	
Cable Distance	up to 100 meters (328ft)	
Network Rate	10/100/1000 Mbps	
Output Voltage	DC 54V	
Power Requirement	AC 100-240V, 1.5A Max.	
Power Consumption	120 W, Max.	
Dimension (WDH)	175 x 105 x 44 mm	
Weight	657g	

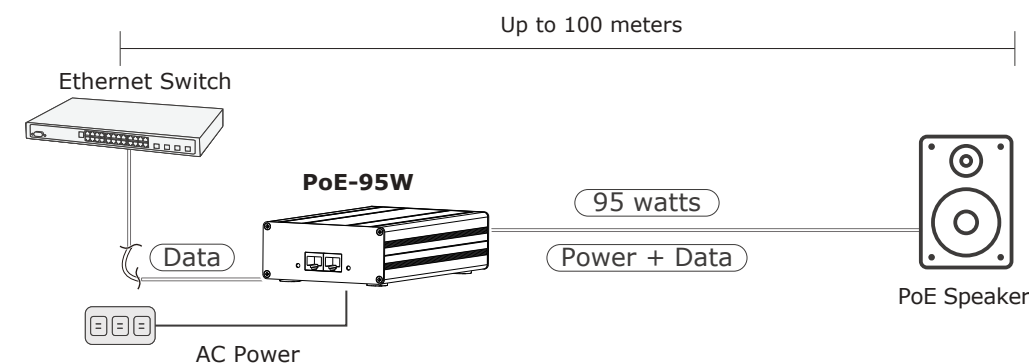
Power over Ethernet

PoE Standard	IEEE 802.3at/bt Ultra PoE PSE
PoE Power Output Range	DC 54V / 95-watt PoE via 4-pair (PoE-95W) DC 54V / 60-watt PoE via 4-pair (PoE-60W)
PoE Power Output	Max. 90W@1 m cable / Max. 73W@100 m cable
PoE Power Supply Type	End-span + Mid-span
Power Pin Definition	Pair 1 End-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span: 4/5 (+), 7/8 (-)
Network Cable	Cat5e, Cat6, Cat6A

Standards

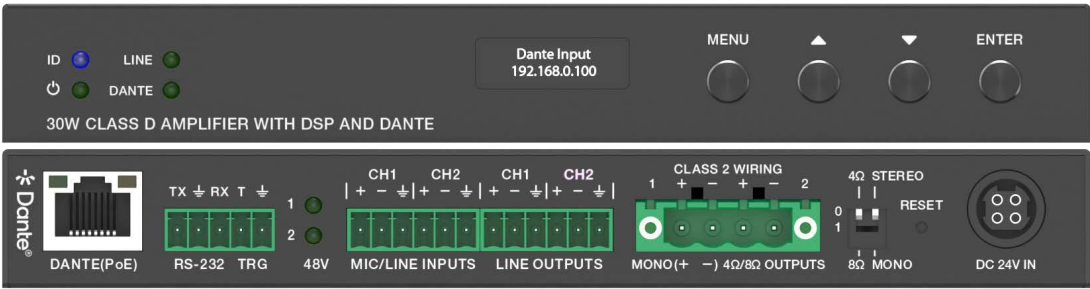
Compliance of Standards	IEEE 802.3 10BASE-T Ethernet
	IEEE 802.3u 100BASE-TX Fast Ethernet
	IEEE 802.3ab 1000BASE-T Gigabit Ethernet
	IEEE 802.3bt 4-pair Power over Ethernet Type 4
	IEEE 802.3at Power over Ethernet Plus
Regulatory Compliance	IEEE 802.3af Power over Ethernet
	FCC , CE

Diagram



AMP-30D/AMP-70D

30W/70W Dante DSP Amplifier



Product Features

- 30W/70W Class-D audio amplifier with Dante integration
- 2x 15/35W@4/8 ohm, 1x 30/70W @4/8 ohm
- Dante 2x2 and AES67 audio supported
- Balanced/un-balanced analog input and output for cascading connection
- Supports microphone input with 48V phantom power
- Audio DSP processing includes gain, ducking, mixing, matrixing, equalizer, volume and delay control
- 8 band PEQ with +18dB/-18dB gain
- Auto standby mode with signal sensing
- Local 5-12V input trigger for disabling amplifier output\
- Auto standby
- Fanless design
- Slim size (W x D x H: 180 x 100 x 22mm, 180 x 120 x 28mm)
- Control via RS-232, TCP/IP and Web GUI
- Power via PoE or local DC power supply (Amplifier power limited when using PoE)

Specification

Model No.	AMP-30D/AMP-70D	Power	2*15W/2*35W
Frequency response	20Hz to 20kHz (-/+0.5dB)~	Output Level	Max 2V RMS @ balanced audio Max 2V RMS @ unbalanced audio
Output Impedance	600 Ohm balanced 300 Ohm unbalanced	Dynamic Range	>100dB@0dBu, 1kHzA-weighted
Audio S/N Ratio	>100dB@0dBu, 1kHzA-weighted	Audio THD+N	< 0.01% at +4dBu, 1KHz
Transmission Distance	328ft/100m (CAT6/6A/7)	Input	1x MIC/LINE IN [6pin-3.5mm phoenix connector]
Output	1x LINE OUT [6pin-3.5mm phoenix connector] 1x 4/8Ω AMP OUT [4pin-5.08mm locking phoenix connector]		
Control	1x RS-232 [3pin-3.5mm phoenix connector, API commands control];1x TRIGGER [2pin-3.5mm phoenix connector, high/Low level configurable to disable amp out];1x DANTE/IP [RJ45 connector, PoE+/PD (Class 4 IEEE 802.3at)] [Dante/AES67, Web GUI and TCP/IP]		

AMP-150D

150W Dante DSP Amplifier



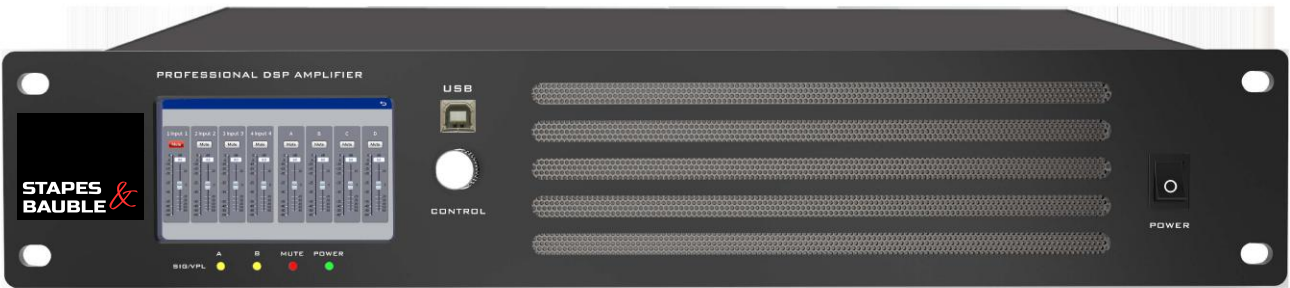
Product Features

- 150W Class D Amplifier
- Dante 2x2 and Line in/out
- Dante 44.1/48/88.2/96KHz sample rates @24bit
- Built-in audio DSP
- Independent input gain, output EQ and volume settings
- 2x75W amplifier out
- 4Ω/8Ω/70V/100V speaker~
- Stereo/bridge connection
- Local AC power supply
- RS-232/LAN/Web GUI control
- 5-12V trigger input
- Auto standby
- Half rack size

Specification

Model No.	AMP-150D	Power	150W
Input	1x Dante® Network audio input 1x LINE balanced stereo 2Vrms/10kΩ input	Output	1x Dante® Network audio output 1x Stereo or constant voltage 70V/100V speaker output,1x LINE balanced stereo output
Output Power	DC power supply: 2x 75W@4Ω/8Ω; 1x 150W@8Ω;1x 150W@70V/100V	Input Sensitivity	2Vrms
Frequency Response	20Hz - 20kHz @ ±3dB	Signal to Noise Ratio	87dB, 20Hz - 10kHz
THD+N	THD+N (1KHz@1W) 0.04%	Control	RS-232, Web GUI
Power supply	DC Input: AC100 - 240V 50/60Hz	Power Consumption	>70W (Test with a sine wave of a quarter - cycle.)
Size	240mm [W]×210mm [D]×44mm [H]~	Net weight	1.88Kg

D4600/D4750/D4900 | 4CH Dante DSP



Product Features

4 channel DSP network power amplifier is composed of a 3.97 inch color TFT resistance touch screen module and audio processing module, a total of 4 channels analog audio balance signal input, corresponding to the conversion into 4 channels balance output, through a series of software digital processing.

- 1. Adopt high-performance ADI DST processor, high-fidelity and low-noise 24-bit A/D and D/A conversion;
- 2. Embedded Dante network transmission module, supports 4-channel Dante signal/4-channel analog signal input, 4 sets of digital power amplifier output;~
- 3. Provide USB and RJ45 interface to connect to the computer;
- 4. Each output channel has 8-band parametric equalization, frequency division, delay, limiter, gain, polarity;
- 5. Adopt high-efficiency, high-power density Class D amplifier, perfect protection function (overcurrent, overheating, high-frequency protection);
- 6. Adopt 3.97-inch touch screen, Luxembourgish and English menu operation, the display content is more comprehensive and intuitive.

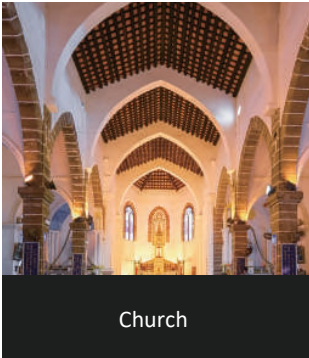
Mainly used in large and medium-sized conference rooms, multi-function halls, churches, auditoriums and performance places.



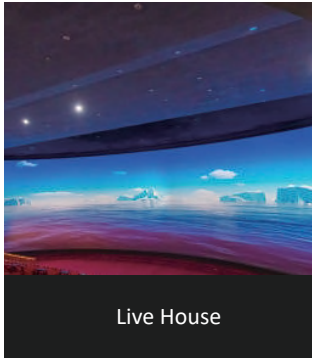
Conference Room



Multi-Function Hall



Church



Live House

Software



Specification

Model No.	D4600/D4750/D4900	Power	4X600W/4X750W/4X900W
Frequency response	20 - 20kHz, ±0.3dB	Maximum input/Output level	+14 dBu, balanced input
THD+N	<0.008% @ 2.2 dBu	Sampling rate	48KHz
Noise floor	-88dBu	Output connector	STeakon socket
Input impedance~	20 KΩ (balanced input), 10 KΩ (unbalanced input)	Output impedance	100 Ω (balanced output), 50Ω (unbalanced output)
Power supply	AC voltage 180-240VC (90V-120VAC	Signal-to-noise ratio	>112dB
Size	88mmX490mmX438mm	Net weight	13.5KG

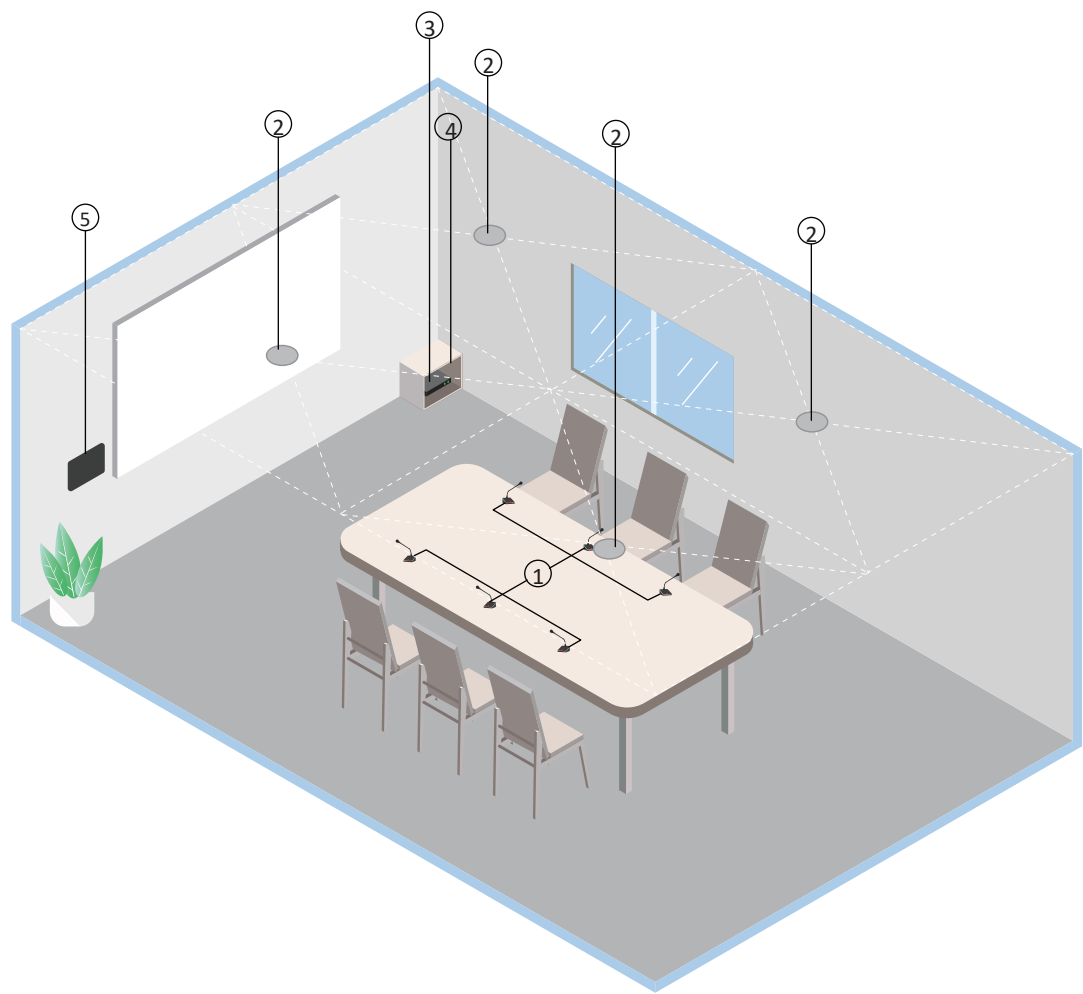
Conference System (Enterprise)

Small Conference Room System

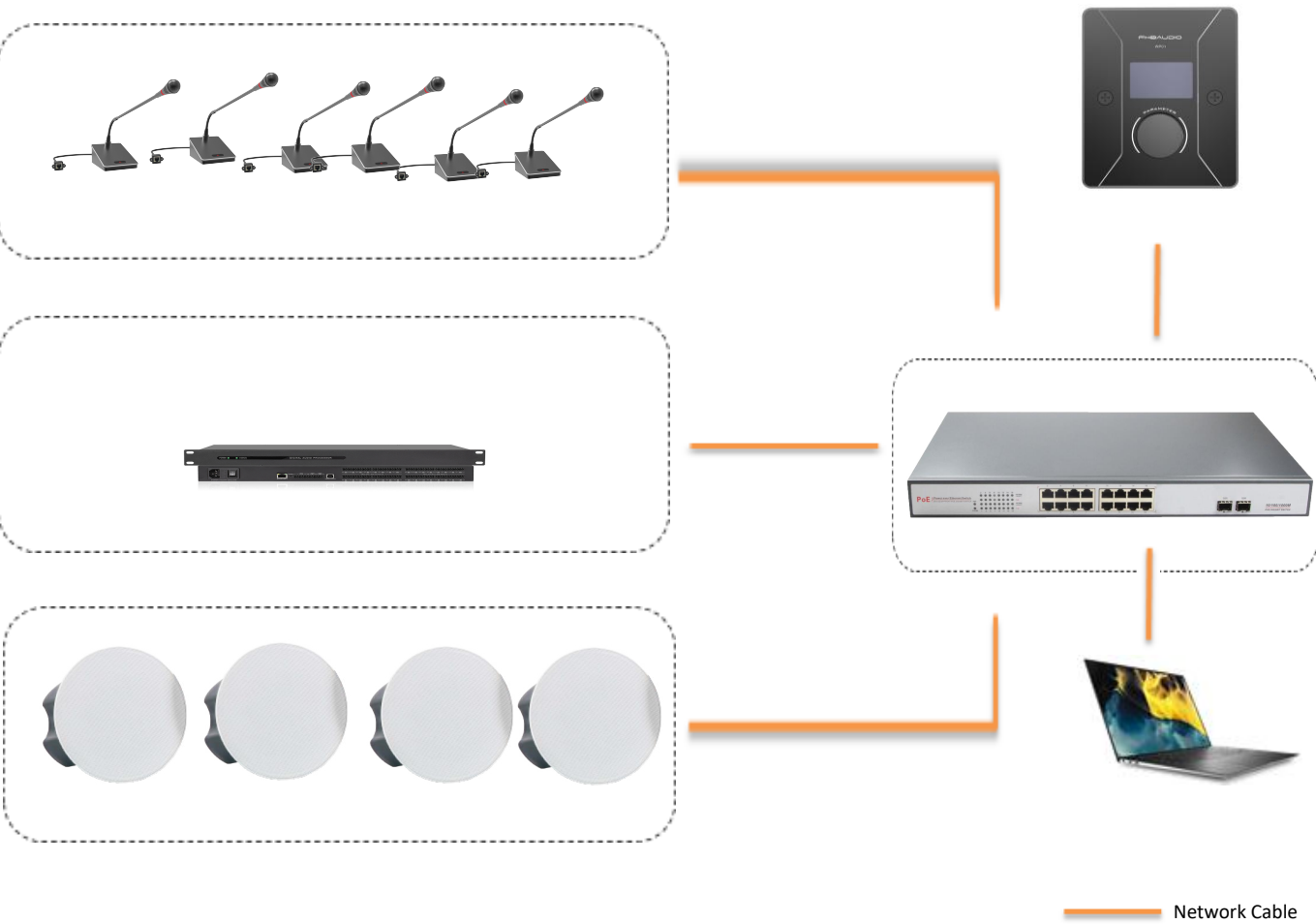
20-50m²



◀ Application



◀ System Topology



No.	Model No.	Quantity	Products Name	Description
1	DMIC-G	6	Dante Microphone	Place on the conference table
2	DC-006	4	Dante Ceiling Speaker	Install on the ceiling
3	ST-0808D	1	8CH Dante DSP	Place in the cabinet
4	PoE 1601	1	PoE Switch	Place in the cabinet
5	WP-01	1	Control Panel	Place on the wall

◀ Main Function

- 1. Unified interface standard, simple wire, embedded network cable
- 2. With the network control panel, the system volume and scene mode can be operated quickly without special maintenance
- 3. The amplifying part adopts PoE power supply mode without power amplifier
- 4. Scene mode preset, support one-key switch