LUCKY TONE

Dante Ceiling Speaker with POE

Description

Dante DP PoE Speaker can realize its multifunction the POE power supply or 24VDC, audio transmission and signal control via a RJ45 Ethernet port. It can obtain power supply from any Ethernet switch of 802.3 or above standard.
Over Dante™ Ethernet that transmits 24-bit audio (44.1K/48KHz) and its control signal can be routed through the Dante™ Controller. All these functions can perform remotely on the PC or Mac by Dante Controller Software.

Ordering Code

Dante DP 615:

15W Dante 6-inch Metal Ceiling Speaker with External 24V DC power supply

Dante DP 615 POE:

15W Dante 6-inch Metal Ceiling Speaker with POE power supply

DANTE DP 830R POE with DSP:

30W Dante 8-inch Ceiling Speaker with DSP and POE power supply

Features:

▶ Dante network compatibility for seamless integration and easy audio distribution in networked environments.
▶ Power over Ethernet (PoE) capability for simplified installation and reduced cable clutter.
▶ Built-in Digital Signal Processing (DSP) for enhanced audio performance, providing clear and balanced sound reproduction. (DANTE DP 830R POE with DSP)
▶ Kevlar driver construction ensures durability and delivers high-quality audio with accurate and natural sound reproduction. (DANTE DP 830R POE with DSP)

Dante DP 615POE

DANTE DP 830R POE with DSP

Model	Dante DP 615POE	DANTE DP 830R POE with DSP
Input Interface	RJ-45	RJ-45
Audio Input Signal	Dante™│Balanced amplified signal	Dante™│Balanced amplified signal
Cable	Cat-5 or above	Cat-5 or above
Output Power	15W	30W
Transmission Rate	100M/1000M bps	100M/1000M bps
Frequency Range	80Hz – 18kHz	65Hz–20kHz
Sensitivity	91dB 1w/1m	89dB
Sound Pressure Level	106dB (peak)	104dB (peak)
Total Harmonic Distortion	<0.30%	<0.30%
Signal to Noise Ratio	>100dB	>100dB
Noise Floor	<200uV	<200uV
System Efficiency	>70%	>70%
Enclosure	Metal	Metal
Operation Temperature	-10 to 50 Degree	-10 to 50 Degree
Color	White	White
Dimension	Dia 200 x 90mm	Dia 280x180mm
Net Weight	0.95kg	2.5kg

Dante Speaker

Dante Ceiling Speaker with POE and DSP

Description:

With coaxial two-way drivers, the 100-watt loudspeaker offers rich lows and clear, intelligible highs-along with premium aesthetics that complement any commercial sound installation. DANTE DP 660R POE with DSP features a 6.5-inch woofer and a 1.25-inch coaxial tweeter mounted within the Dispersion Alignment system, delivering a frequency range of 75Hz-20kHz.

Features:

▶ High-Quality Audio: The rimless Dante coaxial ceiling speaker with DSP and PoE delivers exceptional audio quality, ensuring clear and immersive sound reproduction in any space.

▶ Seamless Integration: Designed with a rimless and discreet profile, this speaker seamlessly blends into any environment, making it an aesthetically pleasing choice for both residential and commercial installations.

▶ Dante Compatibility: Featuring Dante networking technology, this speaker allows for easy integration into audio-over-IP systems, simplifying audio distribution and control in large-scale installations.

▶ Digital Signal Processing (DSP): The built-in DSP capabilities enable precise tuning and optimization of audio output, ensuring that sound is tailored to the specific acoustics of the room or venue.

▶ Power over Ethernet (PoE): With PoE support, this speaker can be powered and connected through a single Ethernet cable, simplifying installation and reducing the need for additional power sources, making it a cost-effective choice.

Ordering Code:

DANTE DP 660R POE with DSP: Dante 6-inch Coaxial Ceiling Speaker with POE power supply 60W, Rimless front with safety wire, with DSP
DP660V: High performance 6-inch Coaxial Ceiling Speaker with 100W 8OHM; 100V line 80W/40W/20W/10W, Rimless front with safety wire

Model	DANTE DP 660R POE with DSP	DP660V
Speaker Size	1x1" tweeter + 1x6.5" woofer	1x1" tweeter + 1x6.5" woofer
Power at 8ohm	60W (240W, Peak)	100W (400W, Peak)
Power at 100V	/	80W/40W/20W/10W
Power at 70V	/	40W/20W/10W/5W
Sensitivity(1M/W)	91dB	93.1dB
SPL	108dB	111.1dB
Frequency Range	75Hz~20KHz	75Hz~20KHz
Input Interface	RJ45	/
Audio Transmission Protocol	Dante	/
Audio Routing Control	Dante Controller	/
Power Input	802.3af/802.3at/802.3bt compatible	/
Material	Iron+ABS	Iron+ABS
Cutout Size	Dia 280mm	Dia 280mm
Product Size	Dia 316*197mm	Dia 316*197mm
Net Weight	4.5kg	5.2kg
Gross Weight	6.3g	7kg

Dante Wall Speaker

Description

Dante DP PoE Speaker can realize its multifunction the POE power supply or 24VDC, audio transmission and signal control via a RJ45 Ethernet port. It can obtain power supply from any Ethernet switch of 802.3 or above standard.

Over Dante™ Ethernet that transmits 24-bit audio (44.1K/48KHz) and its control signal can be routed through the Dante™ Controller. All these functions can perform remotely on the PC or Mac by Dante Controller Software.

Ordering Code
DANTE DP 430:
30W Dante Wall Speaker with External 24V DC power supply
DANTE DP 430 POE:
30W Dante Wall Speaker with POE power supply
DANTE DP 430 POE With DSP:
30W Dante Wall Speaker with POE power supply and DSP

Front   Rear

Side

Model	Dante DP 430
Input Interface	RJ-45
Audio Input Signal	Dante™	Balanced amplified signal
Cable	Cat-5 or above
Output Power	30W
Transmission Rate	100M/1000M bps
Frequency Range	80Hz - 20kHz
Sensitivity	90dB 1w/1m
Sound Pressure Level	108dB (peak)
Total Harmonic Distortion	<0.30%
Signal to Noise Ratio	>100dB
Noise Floor	<200uV
System Efficiency	>70%
Enclosure	ABS
Operation Temperature	-10 to 50 Degree
Color	RAL-9010
Dimension	(High)295 x (Width)195 x (Depth)155mm
Net Weight	2.6kg

Example Diagram

Analog Mic   DMIC   POE Speaker

Dante 4S Transmiter   POE Switch

PC

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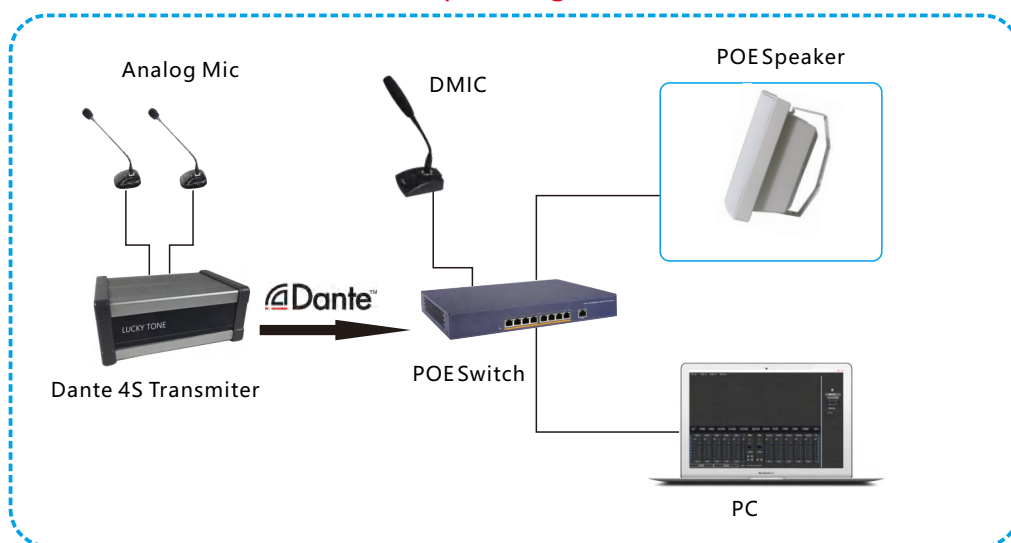
Dante Wall Speaker

Description:

Introducing our cutting-edge Dante Network Wall Mount Speaker designed for both indoor and outdoor commercial audio applications. With its robust IP66 protection, this speaker ensures durability and reliability in any environment. Seamlessly integrate into any Dante network for effortless audio distribution and control. Experience exceptional sound quality with powerful performance and wide coverage. Whether it's a retail space, restaurant patio, or outdoor venue, our Dante Network Wall Mount Speaker delivers immersive audio that captivates your audience. Revolutionize your audio experience today and elevate your commercial audio installations to new heights of excellence.

Ordering Code

WIP-5 Dante POE: Dante Wall mount Speaker 40W with IP66, POE
WIP-6 Dante POE: Dante Wall mount Speaker 60W with IP66, POE
WIP-8 Dante POE: Dante Wall mount Speaker 80W with IP66, POE

Model	WIP-5 Dante POE	WIP-6 Dante POE	WIP-8 Dante POE
Input Interface	Rj45	Rj45	Rj45
Audio Input Signal	Dante™│Balanced amplified signal	Dante™│Balanced amplified signal	Dante™│Balanced amplified signal
Output Power	40W	60W	80W
Impedance	8ohms	8ohms	8ohms
Max SPL@ 1M	98dB	102dB	105dB
Freq. Response	100Hz-20KHz	90Hz-20KHz	70Hz-20KHz
Dispersion Angel	90x80 degree	90x80 degree	90x80 degree
Product Size	285x170x161mm	285x200x195mm	382x262x240mm
Installation	Wall mount	Wall mount	Wall mount
Enclosure Material	ABS	ABS	ABS
Weight	3kg	3.5kg	4.5kg
Finish	White/Black	White/Black	White/Black
Speakers	5" woofer, 1" tweeter	6.5" woofer, 1" tweeter	8" woofer, 1" tweeter

Dante Column Speaker with DSP

Description

DP 180POE DSP Speaker can realize its multifunction the POE power supply, audio transmission and signal control via a RJ45 Ethernet port. It can obtain power supply from any Ethernet switch of 802.3 or above standard. DP 180POE DSP adopts SSA inverter technology allowing that the high-quality enlargement of superior sound quality realizes on this compact speaker of low power design. The system built with plastic body and 6pcs 3 inch high efficient Neodymium driver.

Over Dante™ Ethernet that transmits 24-bit audio (44.1K/48KHz) and its control signal can be routed through the Dante™ Controller. DP 180POE DSP integrates versatile functions like gain control, mute control, 5-band equalizer control and DSP with limit control. All these functions can perform remotely on the PC or Mac by DSP Controller Software.

Features:

▶ Built-in Dante module
▶ Built-in power amplifier module and its system
▶ efficiency > 70%
  DSP controlling software
▶ PoE power supply
▶ Over-current protection, Thermal protection and Overload protection

Ordering Code

DP 180POE DSP: Column speaker with DSP and Dante

DP 180: Passive column speaker

Control software

Black as default and white color optional

Built-in Italian LAVOCE ferrite magnet steel basket drivers
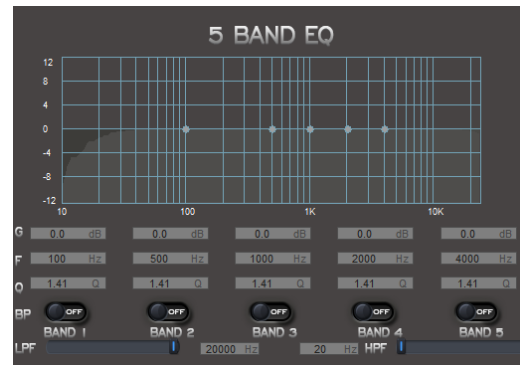
Model	DP 180POE DSP	DP 180
Type	Column speaker with DSP and Dante	Passive column speaker
Input Interface	RJ-45	
Audio Input Signal	Dante™	Balanced amplified signal	
Cable	Cat-5 or above	
Output Power	180W@6ohm,POE boost up to 60W depends on switch power	
Bandwidth	100M/1000M bps	
Frequency Range	110Hz—19KHz(±3dB)	
Sensitivity	95dB (1w/1m)	
Max. SPL	120dB(continuous)	
Total Harmonic Distortion	<0.30%	
Signal to Noise Ratio	>100dB	
Noise Floor	<200uV	
System Efficiency	>70%	
Driver	6*3″ Lavoce driver	
Protective Circuitry	Over-current protection, Thermal protection, Overload protection.	
Cooler	Natural convection cooling	
Dimension	(Height)605 x (Width)90 x (Depth)120mm	
Net Weight	3kg	

Example Diagram
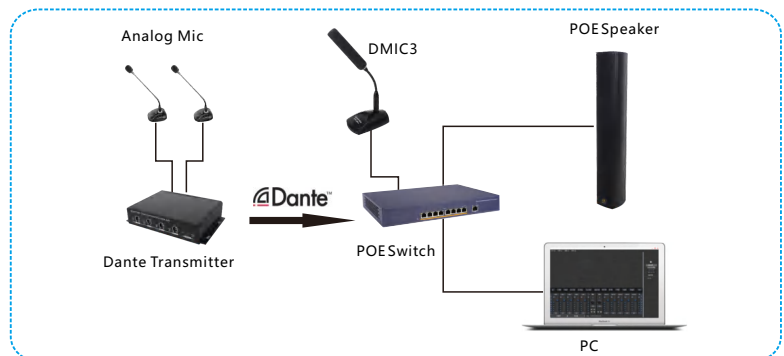
Dante Steerable Line Array Speaker with DSP

Description

Hard construction materials applied in modern buildings lead to disturbing reverberation. DP 320DSP digital beam steering products were designed for dealing with modern architecture combining hard reflective surfaces such as glass, marble and stone etc. This model was developed precisely for this problem and delivers excellent sound quality even in such demanding environments. With the help of the digitally controllable directivity of an array, the sound is aligned in such a way that an optimal sound field and excellent speech intelligibility are ensured. With its elegant and unobtrusive design, the DP 320DSP fits perfectly into any environment.

An DP 320DSP as a basic device can easily be cascaded with other DP 320DSP. The automatic detection in the digital speaker editor software speeds up the configuration process. All internal amplifier and speaker components are fully monitored. The easy to understand and uncomplicated digital speaker editor configuration software makes configuring line array speakers easier than ever. The software calculates the adjustable sound alignment in real time.

Features

▶ 8 × 4″ high performance driver
▶ Built-in 8-channel Class-D digital amplifier, 8 DSP channels
▶ Allows signal input mode switching through DSP control software
▶ Unsurpassed sound quality for best speech intelligibility
▶ Extremely long ranges
▶ Unobtrusive design for environments with demanding acoustics
▶ Intelligent Dante modular design

Ordering code:

DP 320DSP: Dante Steerable Line Array Speaker with DSP
AT-320DSP: Steerable Line Array Speaker with DSP

Model	DP 320DSP
Output Power	320W
Peak Power	1280W
Frequency Response	120Hz~16kHz
Sensitivity(1m/1W)	91dB
SPL	112dB
THD	＜0.03%@-5dB/80Ω
SNR	＞105dB@20Hz-20kHz/80Ω
Sampling Rate	24bit/96KHz
Dispersion Angle	Vertical: 20°（±20°）and horizontal: 160°
Material	Aluminum alloy
Audio input connection	Two RJ45 interfaces for Dante digital audio input + one
	Phoenix terminal for analog balanced signal input
DSP Function	Input: Noise gate, gain, phase, mute, compressor (limiter)
	Output: Gain, phase, mute, delay, high-pass/low-pass filter, 6-band equalizer
Speaker Driver	8x4″ neodymium magnet
Power Supply	AC110-240V
Color	Black/White
Net Weight	7.34kg
Product Dimensions	1126x136x136mm

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Dante Subwoofer with POE and DSP

Description

DP 120 SUB DSP Speaker can realize its multifunction the POE power supply, audio transmission and signal control via a RJ45 Ethernet port. It can obtain power supply from any Ethernet switch of 802.3 or above standard. DP 120 SUB DSP adopts SSA inverter technology allowing that the high-quality enlargement of superior sound quality realizes on this compact speaker of low power design.

Over Dante™ Ethernet that transmits 24-bit audio (44.1K/48KHz) and its control signal can be routed through the Dante™ Controller. DP 120 SUB DSP integrates versatile functions like gain control, mute control, 5-band equalizer control and DSP with limit control. All these functions can perform remotely on the PC by DSP Controller Software.

Features:

▶ Built-in Dante module
▶ Built-in power amplifier module and its system efficiency > 70%
▶ DSP controlling software
▶ PoE power supply
▶ Over-current protection, Thermal protection and Overload protection

Model	DP 120 SUB DSP
Input Interface	RJ-45
Audio Input Signal	Dante™ │ Balanced amplified signal
Cable	Cat-5 or above
Output Power	120W, POE boost up to 60W depends on router power
Bandwidth	100M/1000M bps
Frequency Response	50Hz-150Hz
Driver	1 x 8" woofer
Nominal Impedance	8ohm
Sensitivity	92dB
Max SPL	119dB
DSP	One way 5-band PEQ/mute control
Power Supply	PoE
Product Dimension	290x400x330mm
Shipping Dimension	834x493x507mm
Net Weight	12kg

Dante Desktop Microphone with POE

Description

DMIC Dante Microphone is a type of microphone that with built-in Dante module supporting POE power supply. It can be directly connected to the Dante network, providing you a rewarding experience that a extremely low latency, high fidelity and low cost solution for paging and announcement.

Features:

▶ Built-in Dante module
▶ Rotate gain control
▶ POE power supply
▶ Smart on/off switch

Model	DMIC 3
Input	Cat 5 connector
Transmission	Dante Network
Wire range	Cat-5 or above
Gooseneck size	300mm or made to order
Sensitivity	−45 dB
Capsule type	Uni directional
Frequency Response(20~20KHz)	±0.2dB
Power Supply	PoE IEEE802.3af
Signal to Noise Ratio	65dB, 1kHz@1Pa
Power	2.3W
Base Size	94*143*44mm
Weight	0.87kg

Dante Network Amplifier

▶ **High-Powered Amplification**
Dual 30W per channel output ensures powerful and clear audio reproduction.

▶ **Dante Connectivity**
Integrated Dante technology allows seamless audio networking, enabling efficient and flexible connectivity for various audio devices over a standard Ethernet network.

▶ **Dual Line Inputs**
Equipped with a 2-channel line input, the amplifier accommodates multiple audio sources, facilitating easy integration with a variety of audio devices such as mixers, media players, or other compatible equipment.

▶ **Dual Line Outputs**
Enables the expansion of the system's capabilities by routing signals to larger amplifiers for increased power and performance.

▶ **Speaker Output Options**
The amplifier offers 2-channel speaker outputs, allowing for the connection of stereo speaker setups. This provides a versatile solution for distributing audio to multiple zones or achieving a stereo sound experience in different areas.

▶ **Versatile Mounting Options**
Supports various installation methods, including desktop placement, wall mounting and 2pcs rack mounting.

Desktop version

Wall mount

1PC rack mount

2PCS rack mount

Model	DANTE-250
Dante Audio Channel	2
Network Port	RJ45
Output Power	2X50W at DC24V, 2X30W at PoE
Input Sensitivity	Line Input: 400MV
	Network Input: 500MV
Impedance	4OHM
THD	0.1%
SNR	＜83dB
Line Input and Output	
Line Input Channel	2
Line Output Channel	2
Input/Output Signal Level	800MV
Balanced Input Impedance	20KΩ
Unbalanced Input Impedance	10KΩ
Distortion	0.008%
SNR	＜91dB
Frequency Response	20Hz-20KHz
Power Requirement	24V DC or PoE

Dante Network Amplifier Module with POE and DSP

Model	POE 60
Channel	1
Input Interface	RJ-45
Cable	Cat-6 or above
Transmission Rate	100M/1000M bps
Rated Power	30W@8ohm, 50W/@4ohm
Peak Power	60W@8ohm, 100W/@4ohm
Output Connector	3-pin, 5.08mm European terminal block
Freq. Response	20~20KHz
Audio Control	Volume/Mute/Limiter/EQ/NoiseGate(option)
Protection Function	Over current protection / over temperature protection / overload / load short circuit protection
Power Requirements	PoE
Operation Temperature	0 to 40 Degree
Dimensions	148x68x22 mm

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2-Channel Dante Converter

Features

▶ Convert 2 channels of analog line input signals to a Dante network
▶ High Resolution 24 Bit Analog to Digital Conversion
▶ AES67 compliant
▶ Powered by Power over Ethernet switch or a PoE injector (802.3 af/at class1) or DC 5V via Micro USB connector

DI22   **DO22**   **DU22**

Model	DI22(Analog to Dante)	DO22(Dante to Analog)	DU22(USB to Dante)
Maximum Output Level	18dbu	18dbu	/
Dynamic Range	110dB	116dB	/
THD+N	0.007% at 1kHz+4dBu	0.001% at 1kHz 4dBu	/
Signal-to-noise Ratio	>110dB	116dB	/
Frequency Response	20Hz to 20kHz(-/+0.2dB)	20Hz to 20kHz(-/+0.1dB)	/
Connector	RJ45 & 2XLR-F	RJ45 & 2XLR-M	RJ45 & USB Type A
Sampling Rate	44.1kHz/48kHz/96kHz	44.1kHz/48kHz/96kHz	44.1kHz/ 48kHz/96kHz
Data Bits	24bit	24bit	24bit
Dante Device delay	<1ms	<1ms	1,2,or5ms
Power Supply	Class 1 802.3af PoE	Class 1 802.3af PoE	DC 5V
Dimension	132*35*30mm	132*35*30mm	132*35*30mm

2-Channel Dante Converter

Features

▶ Two-way transmission (analog line input signals ⇆ Dante signal)
▶ High Resolution 24 Bit Analog to Digital Conversion
▶ AES67 compliant
▶ Support recording and playback
▶ Compatible with Win/Linux/Android/IOS/Mac system
▶ Powered by DC 5V via USB-C connector

Dante Bluetooth Adapter

Features

▶ Plug and Play
▶ Two-way transmission(Dante signal ⇆ Bluetooth signal)
▶ Controlled by Dante Controller

**DC22**   **DB21**

Model	DC22(Dante to USB-C)	DB21(Dante to Bluetooth)
Connector	Rj45 & USB Type C	Rj45
Sampling Rate	48kHz	48kHz
Data Bits	24bit	24bit
Dante Device Latency	1, 2 or 5ms	1, 2 or 5ms
Power Supply	DC 5V	802.3af PoE
Net Weight	150g	70g
Dimension(W*H*D)	122*35*22mm	115*35*29mm

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Dante 2 In 2 Out PCB Board
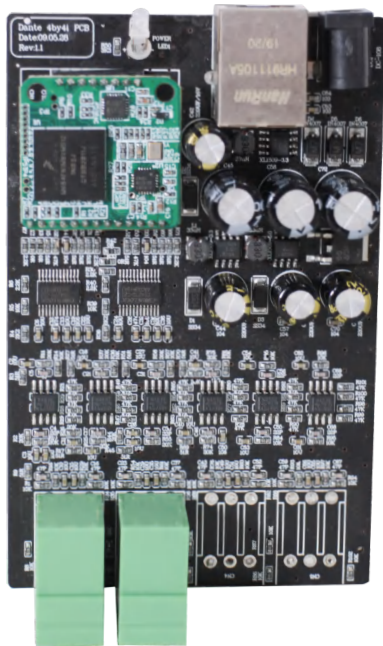
Dante 4 In 4 Out PCB Board

Dante 2 PCB
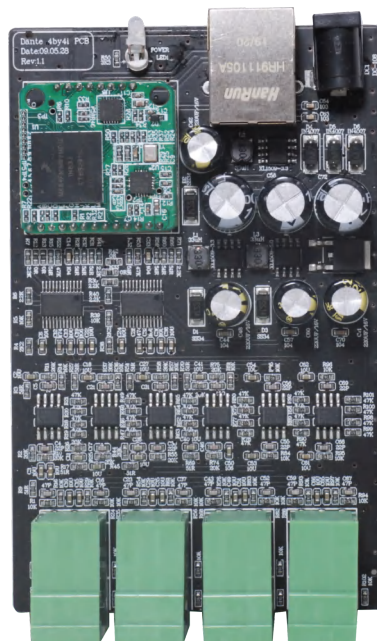
Dante 4 PCB

Features:

▶ Ideal interface to increase the number of microphones or AUX inputs

▶ 2/4 balanced line outputs can be used simultaneously, and all audio channels are used with Dante network.

▶ 2/4 balanced MIC/AUX inputs, and also 2/4 outputs using phoenix connector

▶ CAT5/6 connector to link with Dante network and controlled by Audinate

Model	Dante 2 PCB	Dante 4 PCB
Input	2 balanced/unbalanced input	4 balanced/unbalanced input
Input Impedance	Greater than1800 Ω	Greater than1800 Ω
Max. Input Level	+8dbu@ 0dB gain	+8dbu@ 0dB gain
Output	2 balanced/unbalanced output	4 balanced/unbalanced output
Output Impedance	200Ω balance	200Ω balance
Max. Output Level	+20dbu balance	+20dbu balance
Freq. Response	20~20KHz, ±1dB	20~20KHz, ±1dB
THD	Less than 0.02%	Less than 0.02%
Power Requirements	12V DC	12V DC
Dimensions	115x70x26 mm	115x70x26 mm

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Dante I/O

Dante 2 In 2 Out Transmitter
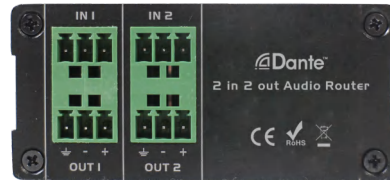
Model with "POE" comes with a POE splitter

Features:

▶ Ideal interface to increase the number of AUX inputs

▶ 2 balanced line outputs can be used simultaneously, and all audio channels are used with Dante network.

▶ 2 balanced AUX inputs, and also 2 outputs using phoenix connector

▶ CAT5/6 connector to link with Dante network and controlledby Audinate

▶ Small size integrated mounting bracket which can be installed in very limited space

Model	Dante 2by2i/ Dante 2by2i POE	
Input	2 balanced/unbalanced input	
Input Impedance	10K Ohm	
Max. Input Level	+2dB	
Output	2 balanced/unbalanced output	
Output Impedance	10K Ohm	
Max. Output Level	+2dB	
Freq. Response	20~20KHz, ±1dB	
THD	0.01%	
Power Requirements	12V DC	12V DC or POE
Dimensions	123x75x35 mm	

Dante 4 In 4 Out Transmitter

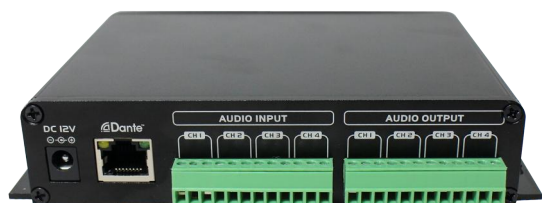Model with "POE" comes with a POE splitter

Features:

▶ Ideal interface to increase the number of AUX inputs

▶ 4 balanced line outputs can be used simultaneously, and all audio channels are used with Dante network.

▶ 4 balanced AUX inputs, and also 4 outputs using phoenix connector

▶ CAT5/6 connector to link with Dante network and controlledby Audinate

▶ Small size integrated mounting bracket which can be installed in very limited space

Model	Dante 4by4i/ Dante 4by4i POE	
Input	4 balanced/unbalanced input	
Input Impedance	10K Ohm	
Max. Input Level	+2dB	
Output	4 balanced/unbalanced output	
Output Impedance	10K Ohm	
Max. Output Level	+2dB	
Freq. Response	20~20KHz, ±1dB	
THD	0.01%	
Power Requirements	12V DC	12V DC or POE
Dimensions	123x75x35 mm	

Dante 4 In 4 Out Transmitter

Features:

▶ Ideal interface to increase the number of microphones or AUX inputs

▶ 4 balanced line outputs can be used simultaneously, and all audio channels are used with Dante network.

▶ 4 balanced MIC/AUX inputs, and also 4 outputs using phoenix connector

▶ CAT5/6 connector to link with Dante network and controlledby Audinate

▶ Small size integrated mounting bracket which can be installed in very limited space

▶ The volume of each channel can be adjusted independently.

Model with "POE" comes with a POE splitter

Model	Dante 4by4/Dante 4by4POE	
Input	4 balanced/unbalanced input	
Input Impedance	Greater than1800 Ω	
Max. Input Level	+8dbu@ 0dB gain	
Output	4 balanced/unbalanced output	
Output Impedance	200Ω balance	
Max. Output Level	+20dbu balance	
Freq. Response	20~20KHz, ±1dB	
THD	Less than 0.02%	
Power Requirements	12V DC	12V DC or POE
Dimensions	133 x 100 x 26 mm	

Dante 8 In 8 Out Transmitter

Features:

▶ Built-in DSP enables signal routing, EQ, limiting, noise gating and programming

▶ Integrated with Dante audio network port

▶ 4 Analog input and output;

▶ 4 Digital input and output for Dante network

▶ Support software control and programming through RS-232 port

▶ Built-in 8x8 matrix enables seamless mixing and routing for Analog and Digital signals.

Model	Dante 448
Input	8 balanced/unbalanced input (XLR)
Input Impedance	Greater than 2000 Ω
Max. Input Level	+4dbu@ 0dB gain
Output	8 balanced/unbalanced output (XLR)
Output Impedance	400Ω
Max. Output Level	+4dbu balance
Freq. Response	20~20KHz, ±1dB
S/N Ratio	Greater than 95dB
THD	Less than 0.05%
Power Requirements	12V DC
Dimensions	44(H) x 178(W) x 220(D) mm

LUCKY TONE

Dante Bluetooth Wall Panel

Bluetooth

Function

▶ **BT 5.0 Bluetooth**
Bluetooth audio to DANTE/AES67 network digital signal conversion, stable transmission

▶ **POE Power Supply**
Power and audio transmission via network cable

▶ **Signal Matching**
Supports Bluetooth wireless audio connection and analog audio connection

▶ **Real Time Display**
Simple pairing and real-time status display

Features

▶ Supports Bluetooth or 2-channel stereo conversion to Dante network digital signal, with priority given to Bluetooth signals.
▶ Powered by PoE, installed in a standard 86-type wall box.
▶ Connects to devices such as smartphones and laptops through Bluetooth, receiving audio and transmitting it as Dante network digital signal.
▶ Mainly used in scenarios such as teleconferences and audio media transmission.
▶ Simple to use, controlled through a touch button for Bluetooth pairing with connected devices, and displays the connection status.

Model	Dante BW22D
Bluetooth Interface	2
DANTE/AES67 Channel	2
Stereo Input	RCAx2
Maximum Input Level	12dBu
Sampling Rate	44.1/48KHz
Data Bit	24bit
THD+N	T0.005%@1kHz+4dBu
Dante/AES67 Device Delay	<2ms
Power Supply	Class1 802.3 af PoE
Power Consumption	2W
Input SNR	>100dB
Dimensions	86x86x40mm

Dante Bluetooth Wall Panel

Bluetooth **Dante**

Features:

▶ CAT5/6 connector to link with Dante network and controlled by Web-UI, Dante Controller or Dante Director software;
▶ Small size integrated mounting bracket which can be installed in very limited space;
▶ Simple to pair Bluetooth by pressing a button;
▶ Supports API for control center for system control usage
▶ Compatible with a variety of mobile phones, tablets, computers and other devices;
▶ Integrated power supply and audio transmission in one body;
▶ Convert Bluetooth audio signal to 2 Dante network audio channel;
▶ Convert aux or 3.5mm jack stereo to 2 Dante network audio channel

Model	Dante BW 0403
Dante Audio Channel	2
Input Interface	Bluetooth 5.3, RCA*2, 3.5mm TRS*1
Output Interface	Bluetooth 5.3, RCA*2, 3.5mm TRS*1
SNR	> 90dB@Max Level(A-weighted)
Output Noise	< -79dBu @ 0dB gain (A-weighted)
Power Consumption	4.22W (Max)
THD	< 0.05% at 0dBu,1kHz, 0dB gain(A-weighted)
Sample Rate	44.1kHz or 48kHz
Power Supply	POE
Product Dimensions	104.5x89.0x43.7mm
Net Weight	265g

Dante Wall Panel

Description:

Dante Panel series wall-mounted interface machines boast analog input and Dante digital input, analog line output and Dante digital output. The analog inputs support phantom power and manual preamp-gain adjustment. It is suitable for conference room and other professional applications. It available in black and white color.

Dante

| Model	Dante Panel 2
Sampling	48k@24bit
Phantom power	DC 48V
Frequency response	20Hz-20KHz, ±0.7
THD+N	≤0.005%@1k, ±0.7
Digital-to-analog/analog-to digital dynamic range(A-weighted)	105dB
Input/output impedance(balance-type)	20kΩ/100Ω
EIN(A-weighted)	≤-126dBu
Channel isolation	100dB@1kHz
Common mode rejection (CMR)	80dB@80Hz
Max. input/output level	8dBu/12dBu
Background noise	-93dBu
System delay	≤3ms
Operating power supply	PoE
Operating temperature	0-40°C

Dante Wall Control Panel

Features:
▶ Support customized functions
▶ Use UDP communication protocol
▶ POE power supply
▶ Support 32 menus(DCON-8)

**DCON-7 Dante Wall Control Panel for
DSP 1616N+, 1616ND+, 880N+, 880ND+,3232ND+, 6464ND+, 8 buttons**

**DCON-8 Dante Wall Control Panel for
DSP 1616N+, 1616ND+, 880N+, 880ND+,3232ND+, 6464ND+, LCD screen**

Model	DCON-7	DCON-8
Programmable buttons	8 (support user-defined)	/
Control knob	1	1
Control protocol	UDP communication protocol	UDP communication protocol
Address setting method	TCP/IP	TCP/IP
Signal cable length	100 meters	100 meters
Power supply	POE power supply	POE power supply
Connection port	RJ-45	RJ-45
Power consumption	<100mw	<100mw
Color	White	White
Material	Aluminum alloy sandblasting	Aluminum alloy sandblasting
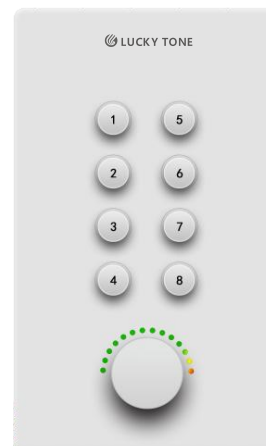
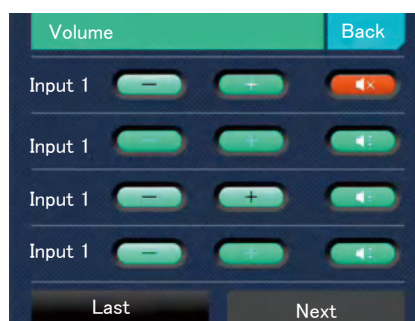**DCON-7**
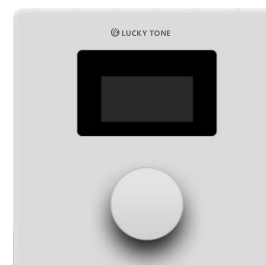
DCON-8

Dante Wall Control Panel

DCON-3 Dante Wall Control Panel For DSP-880N, 880ND, 1616N, 1616ND
DCON-6 Dante Wall Control Panel For DSP 880N+, 880ND+, and 880M+

Features:
▶ Standard 86 back box installation
▶ 4 inch Capacitive touch screen
▶ Support TF card upgrade
▶ Rs485 interface
▶ Support scene switching, 8 input and Output volume adjustment
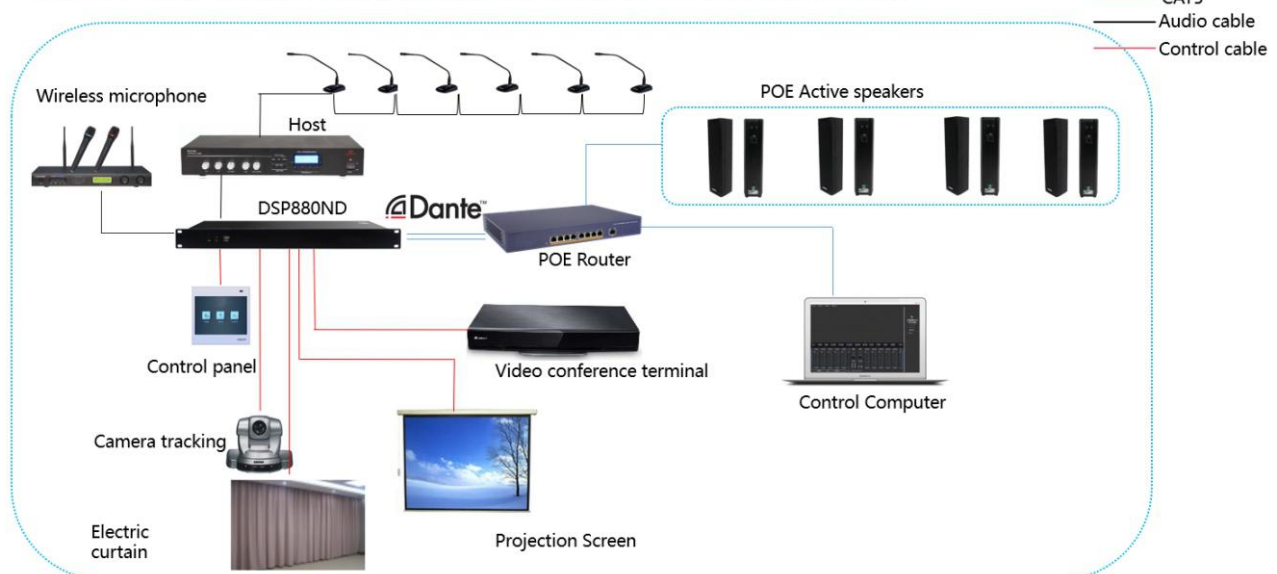
Dante Wall Control Panel

Features:

▶ Supports centralized control of processing functions for 32 devices.

▶ Control of DSP volume, mute, presets, matrix mixing, and device status detection.

▶ Functions support user customization.

▶ Adopt UDP communication protocol.

▶ Powered by PoE or DC 12V.

Dante Wall Control Panel for DSP 1616N+, 1616ND+, 880N+, 880ND+,3232ND+, 6464ND+

Model	DCON-9
Screen	8 Inch
Color	Black
Screen Type	IPS
Resolution	1280x800
Brightness	250cd/m2
Operating System	Android 8.1
Main Chip	Quad-core cortex-A17, RockChip RK3288
RAM	2GB
Storage	16G
Contrast Ratio	800:1
Aspect Ratio	16:9
Power Input	DC 12V 1.5A &PoE IEEE802.3AT
Product Dimensions	212.2x147.6x31mm
Product Weight	0.7Kg

Dante DSP Controller in audio and video conference

CAT5
Audio cable
Control cable

POE Active speakers

Wireless microphone
Host
DSP880ND
Dante™
POE Router
Control panel
Camera tracking
Electric curtain
Video conference terminal
Projection Screen
Control Computer

8-Channel Programmable Timer Dante Player8/Dante player16

Features:

▶ 8/16 audio channels can play simultaneously.

▶ Each channel supports independent scheduled broadcast and manual broadcast.

▶ Scheduled broadcast can be configured on daily, weekly and monthly basis. Manual broadcast supports loop mode and random mode.

▶ With super-fast loading speed, the brand-new playback engine does not occupy CPU for playback, and the playback of all zone is fully synchronized.

▶ Supports audio formats and video formats such as MP3, WAV, WMA, WMV, RM, RMVB, MPEG1, MPEG2, DIVX and more.

▶ The playback engine supports audio fade-in and fade-out effects;

▶ The machine prompts 30 seconds in advance to avoid accidental shutdown;

▶ Supports high priority broadcast override

▶ Supports Dante virtual sound card

LUCKY TONE
AUDIO SYSTEM

00:00 / 00:00

New playlist
MON TUE WED THU FRI SAT SUN All
Start time: 10 : 0 : 0   End time: 10 : 8 : 58   Duration:08:58   Normal → ···

1   1-트랙 1.mp3   03:31
2   002 에픽 하이 - BORN HATER (Feat. 빈지노, 버벌진트, B.I, MINO, BOBBY).mp3   05:27
                                                        Add files

New playlist
MON TUE WED THU FRI SAT SUN All
Start time: 8 : 30 : 0   End time: 8 : 30 : 1   Duration:00:01   Normal → ···
                                                        Add files

1   Player1
2   Player2

Dante Network Audio Control Software
Control all Lucky Tone Dante Enabled devices as well as other brands

Dante 4 In 4 Out Configurable Digital Audio Processor

Features:

▶ Built-in 2 in 2 out USB sound card, supporting music playback, recording and soft video conferencing, such as: ZOOM, Tencent Meeting, DingTalk Meeting, etc;

▶ Supports AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing.

▶ 8-band equalizer providing 5 filter options: Parametric, Lowshelf, Highshelf, Lowpass, Highpass.

▶ Provides customizable user interface, and support up to 30 devices to be managed under the same UI.

▶ Supports RS232, RS485 and UDP central control.

Model	DSP-440ND+
Processor	ADI SHARC 21489@450 MHz SIMD
DSP processing power	400 MIPS, 1.6 GFLOPS
Sample Rate	48K/24bit
Number of analog input and output channels	4x4
Number of Dante input and output channels	4x4
Input Gain	0/6/12/18/24/30/36/42/48 dB
Phantom Power	+48V/10mA max
Frequency Response	20~20kHz: ±0.5dB
Max. Level	+18dBu
THD+N	<-100dB @4dBu
Input Dynamic Range	110dB
Output Dynamic Range	112dB
Channel Isolation @1kHz	108dB
Input Impedance (balanced connection)	5.4KΩ
Output Impedance (balanced connection)	600Ω
System Latency	<3ms
Power Supply	DC12V/PoE48V
Dimension	215x162x44mm
Weight	2KG

8 In 8 out DSP Audio Processor

DSP-880N2+

DSP-880ND2+

Description:

DSP-880N2+/DSP-880ND2+ uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.

The input and output modules of DSP can be customized according to the site conditions. At the same time, it has independent AFC/ AEC/ ANS/ AGC/ gain sharing automatic mixing, threshold automatic mixing and other processing modules.

Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

▶ With industry-leading chip ADI SHARC 21489 , the working frequency can reach 450M Hz;
▶ Customizing operation software makes the configuration more flexible, and it can control Different DSP.
▶ Provides operation interface for customers to realize centralized control of multiple devices. And it can control third-party's equipment through DUP RS232, Rs485;
▶ AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing, dodger and other processing modules;
▶ Each channel has independent adaptive feedback suppression, automatically find the feedback point, and automatically suppress;
▶ Full-featured matrix mixing, the input mixing level can be adjusted;
▶ There are 16 presets, each preset works independently;
▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input;
▶ Support channel copy, LINK and group functions;
▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;
▶ 2 types of wall panels are optional, and they are available to software programming.

Model	DSP-880N2+/DSP-880ND2+
Input Channels(analog)	8
Output Channels(analog)	8
Input	5/ 8/ 12 section PEQ (optional), AFC/AEC/ANS/AGC/Auto Mixer
Output	Frequency divider: 5, 8, 12 segment PEQ (optional); Delayer; Limiter
Input gain	0/10/20/30/40/43 dB
THD+N	0.003% @4dBu
Frequency response	20~20kHz ±0.2dB
Maximum level	+24dBu
Phantom power	+48V
Dynamic range (analog channel)	113dB
Self-Noise (A-Weighting-analog)	-89dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1kHz	108dB
Input impedance (balanced connection)	9.4KΩ
Output impedance (balanced connection)	102Ω
System delay	<3ms
Power supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	3kg

LUCKY TONE

Microphone

8-Zone Paging Microphone Station

Features:

8 ZONE Remote Microphone Station for DSP-880N+,DSP-880M+,DSP-880ND+

▶ Controls

Zone selector switches for Z1~Z8. Talk & Chime on/off.
Level control volume for MIC & Chime.

▶ Connectors
RS485 communication with DSP-880N+,DSP-880M+,DSP-880ND+.
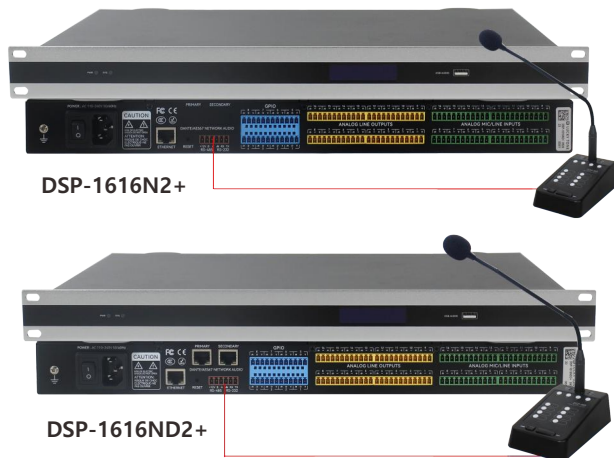DC input.

▶ Indicators
Power, Busy, Signal, Clip.

Model	DSP-M8
Rated Output Level / Impedance	OdB / 600 Balanced
Input sensitivity / Impedance	−36dB / 20k Balanced
Frequency Response (−1dB)	80Hz − 15kHz
T.H.D	＜0.1%
Hum & Noise	＞90 dB
Number of Zone	8 Zones
Weight (Net)	1.2 kg
Dimensions (W x H x D)	115 x 60 x 195mm (only body)

Dante Audio Processor

16 In 16 Out DSP Audio Processor

DSP-1616N2+

DSP-1616ND2+

Description:

DSP-1616N2+/DSP-1616ND2+ uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.

The input and output modules of DSP can be customized according to the site conditions. At the same time, it has independent AFC/ AEC/ ANS/ AGC/ gain sharing automatic mixing, threshold automatic mixing and other processing modules.

Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

▶ With industry-leading chip ADI SHARC 21489 , the working frequency can reach 450M Hz;
▶ Customizing operation software makes the configuration more flexible, and it can control Different DSP.
▶ Provides operation interface for customers to realize centralized control of multiple devices. And it can control third-party's equipment through DUP RS232, Rs485;
▶ AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing, dodger and other processing modules;
▶ Each channel has independent adaptive feedback suppression, automatically find the feedback point, and automatically suppress;
▶ Full-featured matrix mixing, the input mixing level can be adjusted;
▶ There are 16 presets, each preset works independently;
▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input;
▶ Support channel copy, LINK and group functions;
▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;
▶ 2 types of wall panels are optional, and they are available to software programming.

Model	DSP-1616N2+/DSP-1616ND2+
Input Channels(analog)	16
Output Channels(analog)	16
Input	5/ 8/ 12 section PEQ (optional), AFC/AEC/ANS/AGC/Auto Mixer
Output	Frequency divider: 5, 8, 12 segment PEQ (optional); Delayer; Limiter
Input gain	0/10/20/30/40/43 dB
THD+N	0.003% @4dBu
Frequency response	20~20kHz ±0.2dB
Maximum level	+24dBu
Phantom power	+48V
Dynamic range (analog channel)	113dB
Dynamic range (Dante channel)	115dB
Self-Noise (A-Weighting-analog)	-89dBu
Self-Noise (A-Weighting-Dante)	-91dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1kHz	108dB
Input impedance (balanced connection)	9.4KΩ
Output impedance (balanced connection)	102Ω
System delay	<6ms
Power supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	3kg

32 In 32 Out DSP Audio Processor with Dante

Description:

DSP-3232ND2+ uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.
Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

▶ With industry-leading chip ADI SHARC 21489 , the working frequency can reach 450M Hz;

▶ Provides operation interface for customers to realize centralized control of multiple devices.

▶ UDP, RS232, RS485 can control third-party's equipment,with full-featured matrix mixing, the input mixing level can be adjusted;

▶ There are 16 presets, each preset works independently;

▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input and it supports channel copy, LINK and group functions;

▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;

▶ 2 types of wall panels are optional, and they are available to software programming.

Model	DSP-3232ND2+
Dante audio channel	Dante Ultimo
Input	8 section PEQ (optional), Expander, Compressor
Output	Frequency divider, 8 segment PEQ, Delayer, Limiter
Input gain	0/10/20/30/40/43 dB
THD+N	0.003% @4dBu
Frequency response	20~20kHz ±0.2dB
Maximum level	+24dBu
Phantom power	+48V
Dynamic range (analog channel)	113dB
Dynamic range (Dante channel)	115dB
Self-Noise (A-Weighting-analog)	-89dBu
Self-Noise (A-Weighting-Dante)	-91dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1kHz	108dB
Input impedance (balanced connection)	9.4KΩ
Output impedance (balanced connection)	102Ω
System delay	<6ms
Power supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	3kg

LUCKY TONE

Dante Audio Processor

64 In 64 Out DSP Audio Processor with Dante

Description:

DSP-6464ND2+ uses the industry-leading chip ADI DSP SHARC 21489, and the highest operating frequency can reach 450M Hz.
Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

▶ With industry-leading chip ADI SHARC 21489 , the working frequency can reach 450M Hz;
▶ Provides operation interface for customers to realize centralized control of multiple devices.
▶ UDP, RS232, RS485 can control third-party's equipment,with full-featured matrix mixing, the input mixing level can be adjusted;
▶ There are 16 presets, each preset works independently;

▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input and it supports channel copy, LINK and group functions;
▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code;
▶ 2 types of wall panels are optional, and they are available to software programming.

Model	DSP-6464ND2+
Dante audio channel	Dante Ultimo
Input	8 section PEQ , Expander, Compressor
Output	Frequency divider, 8 segment PEQ, Delayer, Limiter
Input gain	0/10/20/30/40/43 dB
THD+N	0.003% @4dBu
Frequency response	20~20kHz ±0.2dB
Maximum level	+24dBu
Phantom power	+48V
Dynamic range (analog channel)	113dB
Dynamic range (Dante channel)	115dB
Self-Noise (A-Weighting-analog)	−89dBu
Self-Noise (A-Weighting-Dante)	−91dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1kHz	108dB
Input impedance (balanced connection)	9.4KΩ
Output impedance (balanced connection)	102Ω
System delay	<6ms
Power supply	AC110~240V,50Hz/60Hz
Dimension	482 x 260 x 45mm
Weight	3kg

- 150 -

LUCKY TONE

Open Architecture Dante DSP Audio Processor

Description:

The DSP intelligent digital audio processing server adopts two processing chips with a main frequency of 1GHz, which is the core device of the thermal computing system platform. The server has network backup and dual-host backup functions. Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

▶ Gigabit network transmission, network transmission backup
▶ Independent AEC modules can be added
▶ Dual host warm backup (Active/Standby) mode
▶ Player: 16-channel audio player, 64G memory, WAV/MP3 with scheduled playback
▶ Provides operation interface for customers to realize centralized control of multiple devices.
▶ Dual Power Redundancy (AC/DC)

Model	DSP-3232 LD+	DSP-6464 LD+
Network channel	32*32	64*64
Audio I/O capability	8 audio I/O card slots	8 audio I/O card slots
Multitrack player capability	16 tracks	16 tracks
Media storage capacity	64G	64G
Dynamic range	/	>118dB
Frequency Response (±0.2dB)	/	20Hz~20kHz
Input Impedance	/	5.5k ohm
THD+N	/	<0.002%
Maximum input level	/	+22dBu
RS232/485	/	6Pin3.81mm Phoenix
GPIO	12Pin 3.81mm Phoenix Block	12Pin381mm Phoenix
Dante Primary	RJ45 1000Mbps	RJ45 1000Mbps
Dante Secondary	RJ45 1000Mbps	RJ45 1000Mbps
AC Main Power	IEC connector	IEC Connector
DC backup power supply	24VDC 2A 2pin 5.81mm	24VDC 2A 2pin 5.81mmm Phoenix
Voltage	220VAC-240VAC	220VAC-240VAC, 50Hz/24VDC
Current	/	4A max@100VAC (actual current depends on specific
Current	/	configuration, such as I/O card
Product size (WxHxD)	483x88x364mm	483x88x364mm
Shipping Package Dimensions	618x153x473mm	618x153x473mm
Shipping weight	10KG	10KG

Open Architecture Dante 8 In 8 Out DSP Audio Processor

Description:

The input and output modules of DSP can be customized according to the site conditions. At the same time, it has independent AFC/ AEC/ ANS/ AGC/ gain sharing automatic mixing, threshold automatic mixing and other processing modules. Meet the needs of audio processors and transmission in various places, such as conference rooms, multi-function halls, conference centers, auditoriums, administrative centers, etc.

Features:

▶ Customizing operation software makes the configuration more flexible, and it can control Different DSP.

▶ Provides operation interface for customers to realize centralized control of multiple devices. And it can control third-party's equipment through DUP RS232, Rs485;

▶ AFC (feedback suppression), AEC (echo cancellation), ANS (noise suppression), ANC (noise gain compensation), AGC (automatic gain), gain sharing, threshold automatic mixing, dodger and other processing modules;

▶ 8 GPIOs can independently configure with input or output, and they can be used as independent ADC when configuring with input;

▶ Support RS232&UDP central control, UDP port can be set freely, and you can check the control software code

▶ High-quality 24bit A/D and D/A converter

▶ Dual network backup

▶ Dual Power Redundancy (AC/DC)

Model	DSP-880LD2+
Type	Network interface, D/A conversion
AEC	Built-in 4 AEC channels
Channels	8 channels mic (with phantom power)/ Line input, 8 channels line output
Network port	2 Gigabit Ethernet ports
Control ports	8 GPIO channels and 1 general purpose serial port Rs232
Frequency Response	20Hz~20kHz
Frequency of sample	48kHz
Dynamic Range	118dB
THD+N	<0.002%
Phantom Power	+48V DC 10mA
Gain	6dB/step (0db-45dB)
AD/DA	123dB
OPA(operational amplifier)	113 dB
Input Impedance (Balanced)	8kΩ
Output impedance (balanced)	207Ω
SNR	>90dB
Maximum input and output level	+20dBu/10dBv

Technical parameters	Audio information processing server		Processing interface machine
	DSP-6464 LD+	DSP-3232 LD+	DSP-880 LD+
DSP type	Drag-and-drop DSP processing architecture	Drag-and-drop DSP processing architecture	Drag-and-drop DSP processing architecture
Number of card slots	8	8	\
Built-in AEC channel	0	0	4
Max AEC processing power	64	32	4
Network audio channel	64x64	32x32	8x8
GPIO	8x8	8x8	8
RTA real-time analyzer	√	√	\
Dante I/O channel	√	√	√
Expandable I/O interface box	√	√	√
IOS control interface	√	√	√
PC computer control	√	√	√
Logic control	√	√	√

Technical parameters	Input Interface Card	Input Interface Card	AEC Input Interface Card
	DSP-AI4 LD+	DSP-AO4 LD+	DSP-AEC4 LD+
Number of channels	4ch	4ch	4ch
Frequency influence	20Hz~20kHz	20Hz~20kHz	20Hz~20kHz
Phantom power	48VDC	-	48VDC
Dynamic range	>118dB	>118dB	>118dB
Total harmonic distortion	<0.002%	<0.002%	<0.002%

Dante Audio Processor

4-CH Output Module for Open Architecture DSP-6464LD+ or DSP-3232LD+

DSP-AO4 LD+

Description:

The analog output card provides 4-channel line output. DSP-AO4 LD+ employs electronically balanced outputs and plug-in connectors. Control functions for each output include: gain level and mute control.

Features:

▶ 4 balanced line outputs
▶ Easy for installation
▶ Control and configure via software

4-CH MIC/Line 48V Phantom Power Input Module for Open Architecture DSP-6464LD+ or DSP-3232LD+

DSP-AI4 LD+

Description:

The analog input card provides functions, including 4-channel mic/line input, +48V phantom power, 84dB gain level control and 58dB Mic Amp. DSP-AI4 LD+ adopts plug-in balanced inputs. Control functions for each input include: gain level control, Mic Amp, mute, and signal inversion.

Features:

▶ 4 mic inputs/line inputs
▶ +48V phantom power
▶ Dynamic range of 118dB
▶ Easy for installation
▶ Control and configure via software

4-CH AEC Module for Open Architecture DSP-6464LD+ or DSP-3232LD+

DSP-AEC4 LD+

Description:

The AEC input card provides 4-channel AEC (Acoustic Echo Cancellation), phantom power, 84dB gain level, and 58dB Mic Amp (Microphone Amplifier). DSP-AEC4 LD+ provides AEC broadband processing. Each channel of AEC input card has independent input and direct output for local sound reinforcement.

Features:

▶ 4-channel AEC input card with DSP processing capability
▶ With additional DSP processing power to serve the system
▶ Easy for installation
▶ Control and configure via software

Model	DSP-AO4 LD+	DSP-AI4 LD+	DSP-AEC4 LD+
Dynamic range	>118dB	> 118dB	>118dB
Frequency response (±0.2dB)	20Hz~20kHz	20Hz~20kHz	20Hz~20kHz
Input impedance	/	5.5k Ω	5.5k Ω
Output impedance	102 Ω	/	/
Channel Crosstalk	<-112dB	<-112dB	<-112dB
THD+N	<0.002%	<0.002%	<0.002%
Common Mode Rejection Ratio (@0dBu)	/	>91dBu	>91dBu
Maximum input level (@1% distortion)	/	+22dBu	+22dBu
Maximum output level (@1% distortion)	+22dBu	/	/
Connectors	four 3-pin Euro breakaway terminals	four 3-pin Euro breakaway terminals	four 3-pin Euro breakaway terminals

AV System Manager with 8 In 8 Out DSP Audio Processor

Features:

▶ The AV+ series multimedia management host features a compact 2U design, offering robust audio processing capabilities and exceptional video quality. It supports seamless 4K60 4:4:4 video switching, HDMI 2.0, and HDR.
▶ Utilizes 5A algorithm technology, offering powerful audio processing capabilities.
▶ Supports seamless 10Gb video matrix, with 4K60 4:4:4 resolution.
▶ Supports High Dynamic Range (HDR) and HDR10 with 36-bit deep color.
▶ Equipped with a simplified central control programming interface, featuring a drag-and-drop user interface for graphical operation.
▶ Adopts an all-in-one device design, combining an audio processor, video matrix, and central control in one unit.
▶ Independent channel Automatic Feedback Control (AFC) using notch filter algorithms, providing a gain increase of 10dB and noise suppression (ANS) for an 18dB improvement in signal-to-noise ratio.
▶ Features an 8-band British-style parametric equalizer with five filter options: Parametric, Lowshelf, Highshelf, Lowpass, and Highpass.
▶ Built-in USB sound card, supporting music playback, recording, and software video conferencing (e.g., Zoom, Tencent Meeting, DingTalk Meeting, etc.).
▶ Compatible with HDMI 2.0, HDCP 2.2, HDCP 1.4, and DVI 1.0.
▶ Includes 4 HDMI inputs and 4 HDMI outputs.
▶ Provides independent audio separation for each channel to the digital audio processor.
▶ Smart EDID management, offering AUTO, COPY, and STD modes.
▶ Four RS-232 and four RS-485 ports with adjustable baud rates for individual configuration.

Model	DSP-880AV+
Audio Channel	8*8
HDMI Matrix Channel	4x4
Control Interface	RS232 x 3; RS485 x 3
Processor	ADI SHARC 21489
Sampling Rate/Quantization Bit Depth	48K/24bit
Floating-Point Processing Engine	40bit DSP
Input Gain	0/6/12/18/24/30/36/42/48dB
Phantom Power	+48V/10mA max
Maximum Level	+18dBu
THD+N	<-92dB @17dBu
Input Dynamic Range	110dB
Output Dynamic Range	110dB
Channel Isolation	@1kHz:108dB
Input Impedance (Balanced)):	5.4kΩ
(Output Impedance (Balanced)	600Ω
Audio System Delay	<3ms
Video Resolution	4K2K@60Hz YCbCr 4:4:4
Uncompressed Video Bandwidth	18Gbps
Video Support	Dolby Vision、HDR 10+、HLG
Operating Voltage	AC220V/60Hz

PoE Switch

High Power POE Network Switch

Features:

▶ With 10/100/1000M adaptive RJ45 ports support IEEE 802.3af/at standard PoE power supply.

▶ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

▶ Gigabit RJ45 ports and SFP fiber ports combination, high-speed high-bandwidth connection, to meet the networking needs of various scenarios.

4 POE Ports

POE4P90

24 POE Ports

POE24P30

8 POE Ports

POE8P30

POE8P90

16 POE Ports

POE16P30

POE16P90

Model	POE4P90	POE8P30	POE8P90	POE16P30	POE16P90	POE24P30
Transmission Rate	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps
Max. Power Per Port	90W; IEEE802.3af/at	30W; IEEE802.3af/at	90W; IEEE802.3af/at/bt	30W; IEEE802.3af/at/bt	90W; IEEE802.3af/at/bt	30W; IEEE802.3af/at/bt
Total Power	250W	250W	600W	400W	1200W	600W
Fixed Port	1*1000M uplink SFP port (Data) 1*10/100/1000M RJ45 port (Data) 4*10/100/1000M bt PoE ports (Data /Power)	1*1000M uplink SFP port (Data) 1*10/100/1000M uplink RJ45 port (Data) 8*10/100/1000M PoE ports (Data /Power)	1*1000M uplink SFP port (Data) 1*10/100/1000M uplink RJ45 port (Data) 8*10/100/1000M PoE ports (Data /Power)	2*1000Base-X uplink SFP fiber ports (Data) 16*10/100/1000Base-T PoE ports (Data /Power)	2*1000M uplink SFP ports (Data) 16*10/100/1000M bt PoE ports (Data /Power)	24*10/100/1000 Base-T PoE ports (Data /Power) 2*1000Base-X uplink SFP ports (Data)
Ethernet Port	10/100/1000 Base-T, auto-sensing, full/half duplex MDI/ MDI-X self-adaption	Port 1-9 can support 10/100/1000Base-T, auto-sensing, full/half duplex MDI/MDI-X	Port 1-8 support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	Port 1-16 support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	Port 1-16 support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption	Port 1-24 support 10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/ MDI-X self-adaption
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x					
Switching Capacity	12Gbps (Non-blocking)	20Gbps	20Gbps (Non-blocking)	52Gbps (Non-blocking)	52Gbps (Non-blocking)	52Gbps
Power Supply	External power adapter AC100~240V 50-60Hz	External power adapter AC100~240V 50-60Hz	AC100~240V 50-60Hz	AC100~240V 50-60Hz	AC100~240V 50-60Hz	AC100~240V 50-60Hz
Dimension (L*W*H)	118*95*28mm	191*105*29mm	440*225*44mm	440*225*44.mm	440*378*44.5mm	440*290*44.5mm
Net Weight	0.35kg	0.55kg	3.3kg	3kg	5.2kg	3.2kg

Dual-Channel Analog Amplifier

Description

These professional E series amplifiers, provides from 2X100W up to 2X200W respectively at high efficiency are well recognized by various users. It is compact 1U size and surprisingly lightweight, making them easy to handle and install. With strong I-Power switch power supply maximize performance, a new generation of environmentally friendly products.

Model		E-2100	E-2200
Different mode	8 Ohm	100W*2	200W*2
	4 Ohm	150W*2	350W*2
	2 Ohm	180W*2	380W*2
SNR			
Frequency Response		20Hz-20KHz, ±0.5db	
THD		≤0.3%,1KHz,1/3 Rate Power,8Ω	
Input Impendence		10K ,BALANCE/20K Ω,UNBALANCE	

CH Series 2-Channel Power Amplifier

Features:

- ▶ 2U standard
- ▶ Large energy power supply , high-efficiency and super ring transformer
- ▶ With protection, signal, clip, bridge and power LED
- ▶ Lift and right channel with dual polar cooling fan, high- efficiency air cooling channel
- ▶ With a power star soft, DC protection, short protection, thermal protection, overload protection
- ▶ Equipped with dual input options (XLR male and XLR female) and dual output options (SpeakON), this professional amplifier series is designed to adapt to various system installation requirements.
- ▶ This device features three operating modes: STEREO (A and B work independently), PARALLEL (for easy wiring), and BRIDGE (for high-power amplification).

Model	CH-2650	CH-2850	CH-21050	CH-21250	CH-21500
Output Power	2x650W@8ohm 2x900W@4ohm	2x850W@8ohm 2x1200W@4ohm	2x1050W@8ohm 2x1500W@4ohm	2x1250W@8ohm 2x1800W@4ohm	2x1500W@8ohm 2x2150W@4ohm
Power Supply	AC190V-250V 50/60HZ				
Harmonic Distortion (1kHz, 8 ohm)	<0.01%				
Frequency Response	20Hz-20kHz(+/-1dB)				
Sensitivity	0.775V*40				
SNR	≥100dB(A-weighted)				
Damping Factor	≥300@8ohms				
Slew Rate	25V/US				
Input Impedance	Balanced: 20K Unbalanced: 10K				
Channel Isolation	60dB@8ohms 1Khz				
Output Type	Class-2H	Class-2H	Class-2H	Class-TD	Class-TD
LED Indicators	Power/Signal/Distortion/Clipping				
Input Connectors	Balanced XLR (Male/Female)				
Output Connectors	SPEAKON, Binding Posts				
Cooling System	Overheat, Overload, Short Circuit, DC Output Protection, Soft Start, Surge Limiting				
Product Size(WxDxH)	482x378x88mm	482x378x88mm	482x378x88mm	482x440x88mm	482x440x88mm
Net Weight	13.5Kg	17.65Kg	17.65Kg	20.5Kg	20.5Kg

LUCKY TONE

CH Series 4-Channel Power Amplifier

Features:

▶ **Compact 2U Design:** Standard 2U form factor for easy integration into professional audio setups.

▶ Multiple Operating Modes: Choose from three operating modes—STEREO (independent A and B channels), PARALLEL (easy wiring setup), and BRIDGE (high-power amplification)—to suit different application needs.

▶ **Comprehensive Protection:** Features automatic output limiting, short circuit overload, high-temperature protection, and power-on delay to ensure safe and reliable operation.

▶ **Efficient Heat Dissipation:** The advanced stepless speed control fan adjusts speed based on radiator temperature, effectively reducing fan noise while ensuring optimal cooling.

▶ **User-Friendly Controls:** Independent volume control and LED signal level indicator provide clear and convenient monitoring of performance.

▶ **Built-In Filtering:** Integrated filtering function eliminates high-frequency interference from digital sound and other external equipment.

▶ **Enhanced Connectivity:** Dual XLR inputs and multiple output options, including SPEAKON and Phoenix terminals, for stronger compatibility across various setups.

▶ **Robust Protection Features:** Comprehensive safeguards including pressure limit, short circuit, overcurrent, and DC output protection for peace of mind.

Model	CH-4600	CH-4800
Output Power	4x600W@8ohm, 4x870W@4ohm	4x800W@8ohm, 4x1160W@4ohm
Power Supply	AC190V-250V 50/60HZ	AC190V-250V 50/60HZ
Harmonic Distortion (1kHz, 8 ohm)	<0.01%	<0.1%
Frequency Response	20Hz-20kHz(+/-1dB)	20Hz-20kHz: +/-1dB
Sensitivity	0.775V*40	0.775V*40
SNR	≥100dB(A-weighted)	≥100dB(A-weighted)
Damping Factor	≥300@8ohms	≥300@8ohms
Slew Rate	25V/US	25V/US
Input Impedance	Balanced: 20K Unbalanced: 10K	Balanced: 20K Unbalanced: 10K
Channel Isolation	60dB@8ohms 1Khz	60dB@8ohms 1Khz
Output Type	Class-TD	Class-TD
LED Indicators	Power/Signal/Distortion/Clipping	Power/Signal/Distortion/Clipping
Input Connectors	Balanced XLR (Male/Female)	Balanced XLR (Male/Female)
Output Connectors	SPEAKON, Binding Posts	SPEAKON, Binding Posts
Cooling System	Overheat, Overload, Short Circuit, DC Output Protection, Soft Start, Surge Limiting	Overheat, Overload, Short Circuit, DC Output Protection, Soft Start, Surge Limiting
Product Size(WxDxH)	485x485x100mm	485x485x100mm
Net Weight	22.76Kg	24.1Kg

LUCKY TONE

Digital Audio Mixer

Features:

▶ 8 MIDAS-quality mic preamps deliver exceptional sound
▶ Built-in WiFi, no router needed
▶ 16x16 USB interface supports 2-track recording
▶ 4 optional dual-channel FX engines include classic effects: Lexicon480L, PCM70, EMT250, Quantec QRS
▶ 100 real-time analyzers on channels and buses
▶ Rugged rack design with protective handles
▶ 4 aux sends, L/R main out, full dynamics, 6-band parametric or 31-band EQ
▶ Outputs: 4 TRS aux, 2 XLR main, headphone jack
▶ 40-bit DSP ensures ultra-low latency and wide dynamic range
▶ Quiet, energy-efficient internal power supply
▶ Free iOS, Android, and PC/Mac/Linux apps for WiFi/LAN remote control.

Model	SP-16
Processing	
Number of processing channels	16 input channels, 1 stereo USB return channel, 4 stereo FX return channels, 6 aux buses, main LR
Internal effects engines	4 true stereo
Signal processing	40-bit floating point
A/D-D/A conversion	24-bit @ 44.1 / 48 kHz,
(Cirrus Logic A/D CS5368, D/A CS4385)	114 dB dynamic range
Analog I/O latency*	0.8 ms
Connectors	
Programmable mic preamps, designed by MIDAS	8 XLR/TRS combo jacks, balanced
Line inputs	8 TRS, balanced
Main outputs	2 XLR, balanced
Aux outputs	4 XLR, balanced
Phones outputs	1 TRS
MIDI inputs / outputs	1/1 DIN
Ethernet	1 Rj45
USB port	Type A

MX Series Audio Mixer

Features:

▶ 8 mono+2 stereo / 10 mono+2 stereo / 14 mono+2 stereo channel
▶ LR main mix/ 2 AUX sends
▶ Responsive 3 band EQ
▶ Individual phantom power
▶ Channel and master meters
▶ Per channel pre/post fader aux switching
▶ 60mm dust protected faders
▶ 2-Track monitoring and replay to LR
▶ Headphones and local monitor outputs
▶ Dedicated stereo, peak-retaining monitor meters
▶ Electronically balanced XLR outputs with +26dBu drive capability
▶ Preamp +34dBu maximum input capability for mic or line
▶ Ultra low noise mix head amp design
▶ 7-band graphic EQ
▶ 24bit DSP effect processor
▶ MP3 player/recorder with concise human-machine interactive interface
▶ Internal power supply
▶ Metal jacks, gold-plated XLRs, sealed pots and switches

Model	MX-12FX	MX-14FX	MX-18FX
Line Channel	8 mono+2 stereo	10 mono+2 stereo	14 mono+2 stereo
Channel EQ	3 BAND		
AUX Output	2		
EFFECT	24bit DSP effect processor		
Main EQ	7 BAND		
Gain control	MIC +34dBu /Line+26dBu		
Phantom Power	48V DC		
Faders	60mm dust protected faders		
Other functions	2-Track monitoring and replay to LR, Headphones and local monitor outputs, MP3 player/recorder		

Slim Active Speaker System

Description:

The full frequency column speaker adopts the arc-shaped low diffraction cabinet design. The aluminum alloy cabinet not only looks very elegant but also makes efficient use of the cabinet inner space. The bright piano painting can effectively prevent corrosion. It perfectly meets different requirement for various applications. The subwoofer consists of dual 8" woofer, producing strong and powerful bass. The accurately designed low flow resistance guide tube not only obtain clear low frequency but also keep the distortion and noise generated by the inverter at the lowest level. KQ-25 is suitable for small onsite activities, small parties, conferences, shopping malls, hotels and places that need high-quality audio reinforcement.

Features:

▶ Extra compact, elegant slender and high power.
▶ Multiple signal inputs options suitable for different kinds of applications.
▶ Adopt 4-channel class-D power amplifier.
▶ With built-in Bluetooth module realizing wireless signal input.
▶ Built-in DSP processor allows multiple preset storable.
▶ Built-in effects available for different kinds of effect processing.

Model	KQ-25 TOP	KQ-25 SUB
Impedance	4 ohm	4 ohm
Rated power	250W	300W
Sensitivity	96dB(1W/1m)	99dB(1W/1m)
Max SPL	123dB	126dB
Power supply	----	100 – 240 V AC, 50 – 60 Hz
AD/DA Converter	----	24 bit/48 kHz
Mains connector	----	IEC
Product dimensions	1035×95×108mm	240×530×400mm
Weight	8.0kg	14.3kg

LUCKY TONE

KP-610

▶ 10 inch plywood speaker
▶ High power, reliable and performance
▶ Black painted finish

KP-612

▶ 12 inch plywood speaker
▶ High power, reliable and performance
▶ Black painted finish

KP-615

▶ 15 inch plywood speaker
▶ High power, reliable and performance
▶ Black painted finish

Model	KP-610	KP-612	KP-615
Frequency Response	60Hz-18KHz	60Hz-18KHz	60Hz-18KHz
Impedance	8	8	8
Rate Power	300W	400W	550W
Senistivity	95dB	95dB	95dB
Max SPL/1M	102dB	102dB	102dB
Size	300x340x524mm	350x382x600mm	430x430x680mm
Material	15mm Plywood, Aluminum frame	15mm Plywood, Aluminum frame	18mm Plywood, Aluminum frame
Configuration	34 coil 90 magnetic HF, 65 coin 156 magnetic LF	44 coil 120 magnetic HF, 75 coin 190 magnetic LF	44 coil 120 magnetic HF, 75 coin 190 magnetic LF

PSRX712M

▶ 12 inch plywood speaker
▶ High power, reliable and performance
▶ Black painted finish

PSRX715

▶ 15 inch plywood speaker
▶ High power, reliable and performance
▶ Black painted finish

PSRX725

▶ Dual 15 inch plywood speaker
▶ High power, reliable and performance
▶ Black painted finish

Model	PSRX712M	PSRX715	PSRX725
Power Rating/ Peak	300 W / 600 W	500W / 1000 W	1000 W / 2000 W
Frequency Range	70 Hz - 20kHz (-10 dB)	40 Hz - 20kHz (-10 dB)	37 Hz - 20kHz (-10 dB)
Dimensions	349 mm x 546 mm x 260 mm	711 mm x 439 mm x 406 mm	1219 mm x 541 mm x 508 mm
(H x W x D)	(13.75 in x 21.5 in x 10.25 in)	(28 in x 17.3 in x 16 in)	(48 in x 21.3 in x 20 in)
Frequency Response	83 Hz - 18 kHz (±3 dB)	53 Hz - 20 kHz (±3 dB)	53 Hz - 20 kHz (±3 dB)
Coverage Pattern	90º x 50º nominal	75º x 50º nominal	75º x 50º nominal
Net Weight	15 kg (33 lb)	22 kg (48 lb.)	45 kg (100 lb.)
Configuration	190 magnetic LF, 44 coil HF	100 coil 220 magnetic LF, 75 coil HF	100 coil 220 magnetic LF, 75 coil HF

Professional Audio

PSRX718S

▶ 18 inch plywood subwoofer
▶ High power, reliable and performance
▶ Suitable for tour sound

PSRX728S

▶ Dual 18 inch plywood subwoofer
▶ High power, reliable and performance
▶ Black painted finish

EX12A+/EX12+ Passive

▶ 12 inch plywood speaker
▶ High power, reliable and performance
▶ Black painted finish

Model	PSRX718S	PSRX728S
Power Rating/Peak	400W / 800W	1600 W / 3200 W / 6400 W
Frequency Range	31 Hz - 220 Hz (-10 dB)	27 Hz - 220 Hz (-10 dB)
Dimensions	508 mm x 597 mm x 749 mm	610 mm x 1067 mm x 838 mm
(H x W x D)	(20.0 in x 23.5 in x 29.5 in)	(24 in x 42 in x 33 in)
Frequency Response	34 Hz - 220 Hz (±3 dB)	33 Hz - 220 kHz (±3 dB)
Net Weight	36 kg (79 lb.)	76 kg (166.5 lb.)

Model	EX12A+/EX12+ Passive
Frequency Range	45~18kHz
Senistivity(1w/1m)	98dB
Rated power and impedance	350W/8Ω
Peak power (W)	600W
Sound pressure level(1M) SPL	126dB
Pointing characteristic(H×V)	85°x50°
Drivers	HF:44mm voice coil; LF: 156mm magnet/65mm voice coil
Size(LxDxH)mm	625x385x400
Weight(kg)	28
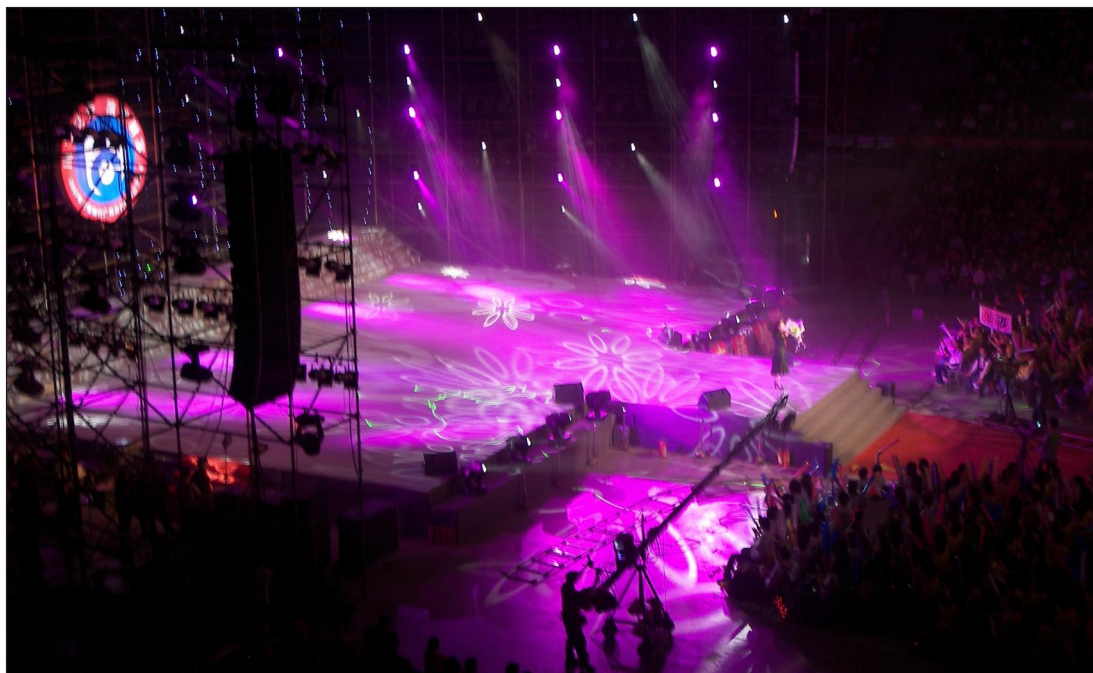
6.5-Inch Bluetooth Portable Speaker

Features:

▶ **Powerful sound:** Experience high-quality audio with a 6.5-inch portable speaker that delivers impressive volume and clarity.
▶ **Portable design:** Take the party with you wherever you go, thanks to its compact and lightweight design that allows for easy transportation.
▶ **Built-in battery:** Enjoy uninterrupted music playback with the convenience of a long-lasting builtin battery, eliminating the need for constant power source.
▶ **Wireless connectivity:** Connect your devices wirelessly via Bluetooth and stream your favorite music, podcasts, or playlists effortlessly.
▶ **Versatile inputs:** The speaker offers various input options, including AUX, MIC IN, TF card and USB, providing flexibility to play music from different sources.

Model	Moving 6
Output Power	32W
Speaker Size	6.5″ Full Range Driver
Power Supply	100-240V
Battery Capacity	7.4V/1800mAh Lithium Battery
Audio Inputs	Aux in, USB/TF Card input, FM Radio, Bluetooth, Mic input
Cabinet Material	Plastic
Package Dimensions	315×175x402mm
Color	Black

8-Inch Bluetooth Portable Speaker

Features:

▶ Versatile Connectivity: Equipped with Bluetooth, USB, AUX IN, and LIVE INPUT, allowing a variety of audio sources to be connected seamlessly.
▶ Multiple Inputs: Features MIC IN and GUITAR IN ports, catering to both vocal and instrumental performances.
▶ Advanced Audio Control: Includes feedback suppression to ensure clear sound quality without unwanted noise.
▶ Customizable Sound Settings: Allows adjustment of bass, mid, treble, and effects for both guitar and microphone, providing personalized sound control.
▶ Professional Output Options: Comes with a balanced line output, ideal for connecting to additional audio equipment or larger sound systems.

Model	Moving 8Plus
Output Power	LP: 120W, HP: 60W/4R
THD	<1%
Crossover	DSP electronic crossover, 2-way
Frequency Response	60Hz-20kHz
SPL(1M/1W)	90±3dB
SNR	≥90
THD+N	≤1% (120W 1kHz)
Battery	11.1V 9000mAh (18650 Lithium)
Charging Time	4.5H
Charging Port	DC18V/2A
Audio Source	Bluetooth/USB/MIC in/Guitar in
Speaker Driver	8″Woofer x 1, Tweeter x 3

8/10/12/15-Inch Bluetooth Portable Speakers

Features:

▶ **Powerful Sound:** Enjoy crisp and clear audio with the 8/10/12/15-inch Bluetooth Trolley Speaker, delivering powerful sound that fills any room or outdoor space.

▶ **Wireless Connectivity:** Stream your favorite music wirelessly from your smartphone, tablet, or other Bluetooth-enabled devices, providing convenience and versatility.

▶ **Portable Design:** Featuring a trolley design with built-in wheels and a retractable handle, this speaker is easy to transport, making it perfect for parties, events, and outdoor gatherings.

▶ **Multi-functional:** Equipped with USB and SD card inputs, FM radio, microphone input, and guitar input, this speaker offers multiple playback options and can even be used for karaoke or live performances.

▶ **Long-lasting Battery:** Enjoy hours of uninterrupted music with the built-in rechargeable battery, ensuring the party keeps going wherever you are.

Moving 8   Moving 10   Moving 12   Moving 15

Model	Moving 8	Moving 10	Moving 12	Moving 15
Output Power	40W	60W	80W	120W
Speaker Size	8"Woofer +Tweeter	10"Woofer +Tweeter	12"Woofer +Tweeter	15"Woofer +Tweeter
Audio Inputs	Aux in, USB/TF Card input, FM Radio, Bluetooth, Mic input, Guitar input			
Special Functions	Remote Control, Recording, Voice Prompt, MIC Priority			
Power Supply	100-240V			
Battery Capacity	12V 4.5AH	12V 4.5AH	12V 7.5AH	12V 7.5AH
Package Dimensions	410x395x650mm	410x395x650mm	445x420x725mm	510x465x820mm
Cabinet Material	Plastic			
Color	Black			

CE RoHS CCC

www.lucky-tone.com