



SHENZHEN S-TRACK SCIENCE & TECHNOLOGY CO., LTD.

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Intelligent Audio Solution Service Provider  
www.s-track.com.cn



## SHENZHEN S-TRACK SCIENCE & TECHNOLOGY CO., LTD

- A national high-tech enterprise specializing in R&D, production and sales of audio products;
- The products have obtained a number of patents and software copyrights, providing users with professional products and overall solutions in conference, education, justice, business, transportation, finance and other fields;
- Committed to audio and video digitization, networking, intelligent, actively build an audio and video intelligent ecological circle;

# Catalogue

# Catalogue

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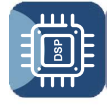
# Audio Processor





# Digital Audio Processor(Tiger Series)

Model No.:Tiger 88 series,Tiger 1616 series



TI dual-core  
High speed  
floating point DSP



51dB  
Ultra wide gain  
amplification



AFC, AEC, ANC



Central command set  
Intelligent generated



High quality  
recording/playback  
USB2.0 Port

Tiger series is equipped with TI dual-core high-speed floating point CPU and Tiger PLUS system, which greatly improves the processing power of TI chip. Maximum support 16 analog input and output of audio signal processing, support USB recording and playback function, support RS232, RS485, GPIO control interface, perfect connection to various control devices. Customers can choose feedback cancellation (AFC), echo cancellation (AEC), noise cancellation (ANC) algorithm.

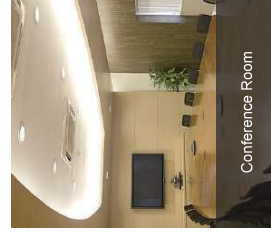
Sampling	48KHz	Common Mode Rejection	70dB @80 Hz
Phantom power	DC48V	Maximum input level	18dBu
Frequency response	20 ~ 20K Hz. ±0.2dB	Maximum output level	18dBu
THD+N	≤0.003% @4dBu	Floor Noise	-90dBu
Input impedance (Balanced)	20KΩ	Working Power Supply	AC110V/220V,50Hz/60Hz
Output impedance (Balanced)	100Ω	Operating Temperature	-10~70℃
Channel isolation	104dB @1k Hz	Size	482x258x45(mm)

# Digital Audio Processor(Tiger Series)

TIGER PLUS system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, iOS, Android system, fully compatible with IE, CHROME, FIREFOX.



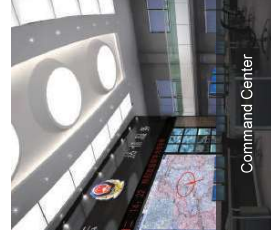
It is suitable for meeting room, interactive teaching, judicial system and court, video conference and other scenes. It can choose feedback cancellation, noise cancellation and echo cancellation, improve the quality of the meeting.



Conference Room



Court



Command Center



Class Room

# Telephone Audio Processor

Model No.:Tiger T88S



**TI dual-core**  
High speed  
floating point DSP

**51dB**  
Ultra wide gain  
amplification

**Conference call**  
full duplex

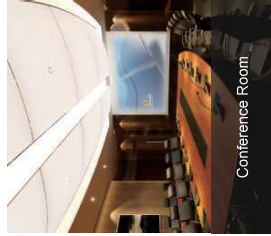
**Central command set**  
Intelligent generated

**High quality**  
recording/playback  
USB2.0 Port

Sampling	48KHz	Common Mode Rejection	70dB @80 Hz
Phantom power	DC48V	Maximum input level	18dBu
Frequency response	20 ~ 20K Hz, ±0.2dB	Maximum output level	18dBu
THD+N	≤ 0.004% @4dBu	Floor Noise	-90dBu
Input impedance (Balanced)	20KΩ	Working Power Supply	AC110V/220V,50Hz/60Hz
Output impedance (Balanced)	100Ω	Operating Temperature	-10-70 °C
Channel isolation	104dB @1k Hz	Size	482X258X45(mm)

Telephone-based digital audio processor enables simple and convenient high-quality telephone voice and achieves regular telephone conference. In terms of control operations, the telephone is similar to ordinary telephone, and is easy to operate.

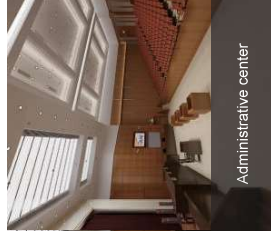
TIGER T series with telephone interface, support full duplex voice transmission, suitable for all kinds of remote teleconferencing.



Conference Room



Court



Administrative center



Class Room



TIGER PLUS system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, iOS, Android system, fully compatible with IE, CHROME, FIREFOX.

# Network Audio Processor(Dante)






Model No.:Tiger D88 series,Tiger D1616 series



# Network Audio Processor(Dante)

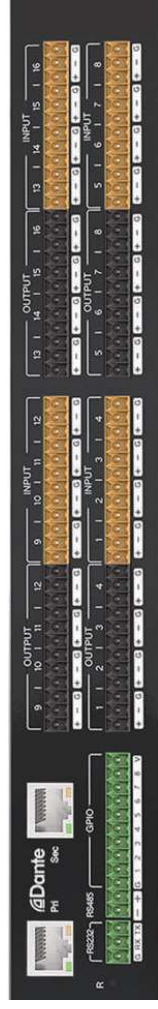


TIGER PLUS system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, IOS, Android system, fully compatible with IE, CHROME, FIREFOX.

-  **TI dual-core DSP**  
High speed floating point DSP
-  **Dante**  
AoIP Audio network
-  **Uncompressed transmission**  
Support for ultra high sampling
-  **Real-time backup**  
Safety and stability
-  **Central command set**  
Intelligent generated
-  **High quality recording/playback**  
USB2.0 Port

Tiger D series 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. It supports USB recording and playback function, support RS232, RS485, GPIO control interface, perfect connection of various control devices. Customers can choose feedback cancellation (AFC), echo cancellation (AEC), noise cancellation (ANC) algorithm.

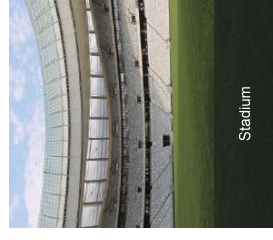
Sampling	48KHz	Common Mode Rejection	70dB @80 Hz
Phantom power	DC48V	Maximum input level	18dBu
Frequency response	20 ~ 20K Hz, ±0.2dB	Maximum output level	18dBu
THD+N	≤ 0.003% @4dBu	Floor Noise	-90dBu
Input impedance (Balanced)	20KΩ	Working Power Supply	AC110V/220V,50Hz/60Hz
Output impedance (Balanced)	100Ω	Operating Temperature	-10-70 °C
Channel isolation	104dB @1k Hz	Size	482x258x45(mm)



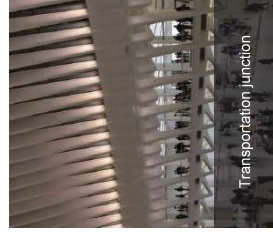
With DBOX and DMIC, it provides long-distance transmission within buildings and communities, suitable for large multi-system interconnection projects such as hotels, supermarkets, gymnasiums, transportation hubs, theme parks, corporate headquarters, administrative centers and learning hubs.



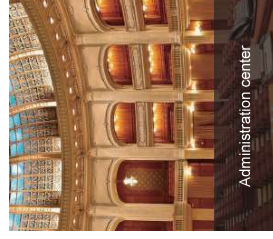
Corporate headquarter



Stadium



Transportation junction



Administration center



# Speaker Management Processor

Model No.: Dolphin 24, Dolphin 26, Dolphin 36, Dolphin 48, Dolphin D24, Dolphin D26, Dolphin D36, Dolphin D48



# Speaker Management Processor

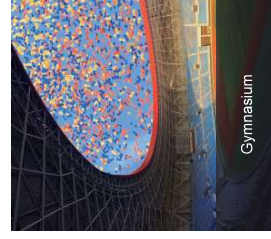
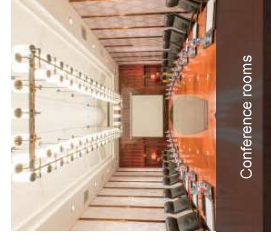


- High performance DSP processing chip, 24bit, 48kHz processing capacity;
- Support multiple analog signals, Dante signal input and output;
- Built-in digital audio processing algorithms: gain, delay, EQ, mixing matrix, compressor, divider and limiter;
- Support FIR filter;
- Connect via USB or RJ45 cable to achieve PC software control Settings;
- Save, change, import and export functions of multiple scenes;
- The menu can be selected by the rotary encoder to facilitate user operation;

Dolphin series speaker management processor supports multi-channel analog signal input and output, Dolphin D series supports multi-channel Dante network signal input and output. Dolphin series and Dolphin D series are built with high-performance DSP processing chips, 31 segment graphic equalizer, 15 segment parameter equalizer, gain control, compressor, delay and other functions.

Frequency response	20~20KHz, ±0.2 dB	Sampling	48kHz
Maximum input level	+18 dBu, Balanced input	Digitalizing bit	24bit
Maximum output level	+18 dBu, Balanced output	Floor Noise	-90dBu
THD+N	<0.002% @ 4dBu	Input impedance (Balanced)	20 KΩ
Channel isolation	85 dB @ 1 KHz	Output impedance (Balanced)	100 Ω
Size	440x208x44mm	Gross weight	1.9kg







It is suitable for large conference room, exhibition hall, multi-functional hall, gymnasium and other occasions.



# Amplifier Audio Processor (LION Series)

Model No.:LION 44 series 88 series,1616 series,



-  **TI dual-core High speed floating point DSP**
-  **51dB Ultra wide gain amplification**
-  **AFC, AEC, ANC**
-  **Efficient amplifier Double channel class D amplifier**
-  **Central command set Intelligent generated recording/playback**
-  **High quality USB2.0 Port**

LION digital audio all-in-one is a dual-channel 145W digital amplifier module based on the TIGER professional processor. The integration of signal processing and power amplification in one device shortens the signal path and simplifies the engineering wiring. Supports power RS232 control port. Customers can choose feedback cancellation (AFC), echo cancellation (AEC), noise cancellation (ANC) algorithm.

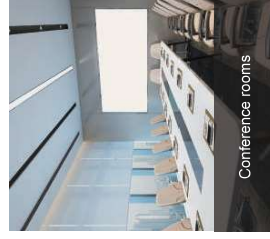
Sampling	48KHz	Common Mode Rejection	70dB @80 Hz
Phantom power	DC48V	Maximum input level	18dBu
Frequency response	20 ~ 20K Hz, ±0.2dB	Maximum output level	18dBu
THD+N	≤ 0.003% @4dBu	Floor Noise	-90dBu
Input impedance (Balanced)	20KΩ	Amplifier Power	2x150W
Output impedance (Balanced)	100Ω	Working Power Supply	AC110V/220V,50Hz/60Hz
Channel isolation	104dB @1k Hz	Operating Temperature	-10-70 °C

# Amplifier Audio Processor (LION Series)



The system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, iOS, Android system, fully compatible with IE, CHROME, FIREFOX.

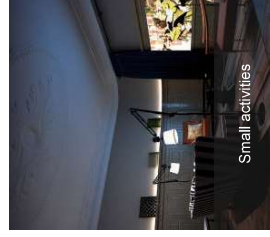
It is suitable for conference rooms, banquet halls, local sound amplifiers, video conferencing. LION series processor built-in amplifier, can simplify the audio system, audio system construction in limited space.



Conference rooms



Banquet halls



Small activities



Class Room



# Amplifier Audio Processor (LION V Series)

Model No.: LION V44 series, V86 series, V1616 series



**TI dual-core**  
High speed  
floating point DSP



**51dB**  
Ultra wide  
gain amplification



**wireless**  
microphone UHF  
Dual channel



**Efficient amplification**  
Double channel class  
D amplifier



**Central command set**  
Intelligent generated



**High quality**  
recording/playback  
USB2.0 Port

LION V digital audio all-in-one machine set a dual-channel UHF wireless reception mode on the basis of LION professional version series. Users can choose to use with wireless handheld microphone or Wireless collar microphone. The integration makes the operation more easy and simple, also support RS232 control.

It is suitable for conference rooms, banquet halls, local sound amplifiers, video conferencing.

LION series processor built-in amplifier, can simplify the audio system, audio system construction in limited space.



Conference rooms



Banquet halls



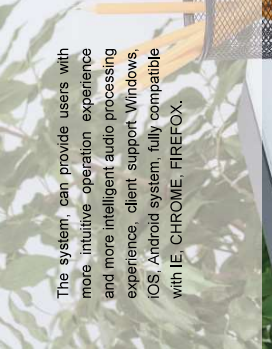
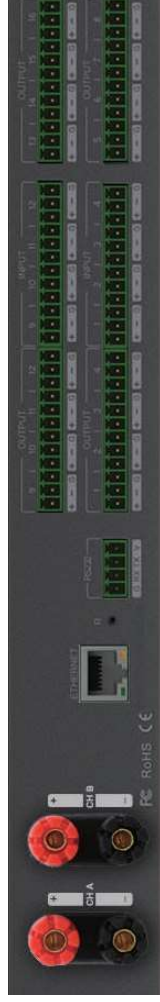
Small events



Class Room

# Amplifier Audio Processor (LION V Series)

Sampling	48KHz	Common mode rejection	70dB @60 Hz
Phantom power	DC-48V	Maximum input level	18dBu
Frequency response	20 ~ 20K Hz, ±0.2dB	Maximum output level	18dBu
THD+N	≤ 0.003% @4dBu	Floor noise	-90dBu
Input impedance (Balanced)	20kΩ	Amplifier Power	2x150W
Output impedance (Balanced)	100Ω	Working Power Supply	AC110V/220V, 50Hz/60Hz
Channel isolation	104dB @1k Hz	Operating Temperature	-10~70 °C



The system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, IOS, Android system, fully compatible with IE, CHROME, FIREFOX.



# Swift Audio Processor

Model No.:SWIFT\_88N,1616N,D88N



- DSP audio processing, built-in automatic mixing, matrix mixing, noise cancellation, echo cancellation, feedback cancellation, automatic gain;
- 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;
- Support for scenario presets;
- Automatic memory protection when power off;
- 1U chassis;

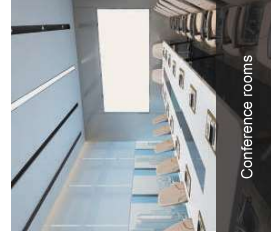
Number of analog channels	8 I/O, 16 I/O	Maximum input level	18dBu
Number of Dante channels	2 I/O, 4 I/O	Maximum output level	18dBu
Core algorithm	Automix, AGC, ANC, AEC, AFC	Frequency response	20 - 20KHz, ±0.5dB
Analog maximum gain	51dB	THD+N	<0.001% @4dBu
Quantization Bits	24bit	Floor noise	-90dBu
Sampling	48KHz	phantom power	48V

# Swift Audio Processor

Swift control system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, Android system, fully compatible with IE, CHROME, FIREFOX.



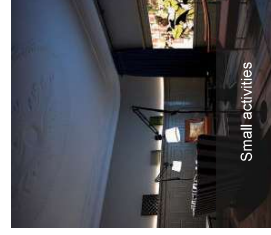
It is suitable for meeting rooms, exhibition halls, small activities, classrooms and other occasions.



Conference rooms



Banquet halls



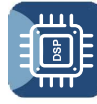
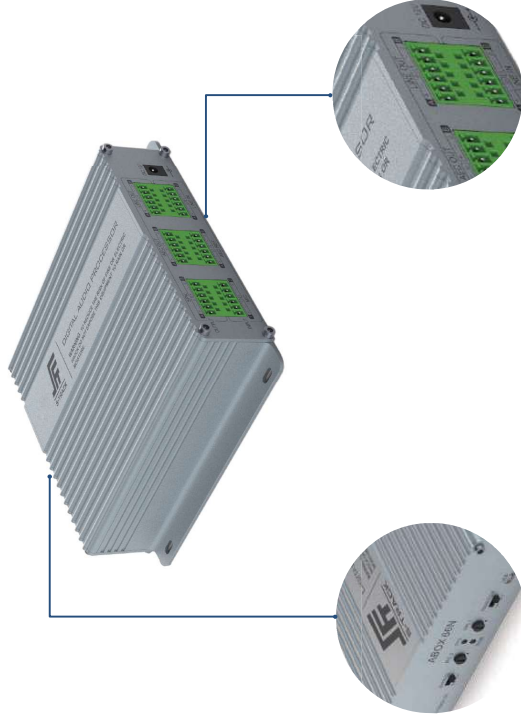
Small activities



Class Room

# Digital Audio Box

Model No.: ABOX 66 series



TI dual-core  
High speed  
floating point DSP



51dB  
Ultra wide  
gain amplification



AFC, AEC, ANC



USB auto update



Plug and play  
Easy Configuration



48V Phantom  
power switch

The ABOX series has a built-in modular DSP chip that is plug-and-play and requires no software configuration. Although it is small in size, it still has common function modules and professional algorithms. It is easy to install and easy to operate, and it can easily meet the high-quality audio requirements of local recording and remote interactive education. Customers can choose feedback cancellation (AFC), echo cancellation (AEC), noise cancellation (ANC) algorithm.

Model No.	ABOX66	
Channel	MIC channel	LINE channel
Maximum input level	-12dBu	8dBu
Maximum output level	12dBu	12dBu
Frequency response	80 - 20K Hz, ±0.5dB	20 - 20K Hz, ±0.5dB
THD+N	≤0.008% -12dBu	≤0.008% 0dBu
Floor noise	-87dBu	-87dBu



Conference room



Court



Police interrogation

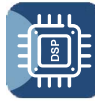


Classroom

Suitable for conference room, court, Police interrogation, classroom interaction and other occasions.

# Digital Audio Box

Model No.: ABOX-1004S, 1004A, 1004N



TI dual-core  
High speed  
floating point DSP



51dB  
Ultra wide  
gain amplification



AFC, AEC, ANC



Signal processing



Plug and play  
Easy Configuration



48V Phantom  
power switch



ABOX-1004 (S/A/N) has a balanced signal interface of 10 in and 4 out.

The parameter performance has been adjusted pertinently, and the control network port has been added. The user can customize the processing module of each function by connecting the client software. Customers can choose feedback cancellation (AFC), echo cancellation (AEC), noise cancellation (ANC) algorithm.

Channel	MIC channel	LINE channel
Maximum input level	0dBu	18dBu
Maximum output level	18dBu	18dBu
THD+N	≤0.005%@4dBu	≤0.01%@4dBu
Frequency response	20 ~ 20K Hz, ±1.5dB	20 ~ 20K Hz, ±1.5dB
Sampling	48k@24bit	
Working power supply	DC 12V	

Suitable for conference room, court, command center, classroom interaction and other occasions.



Conference room



Court



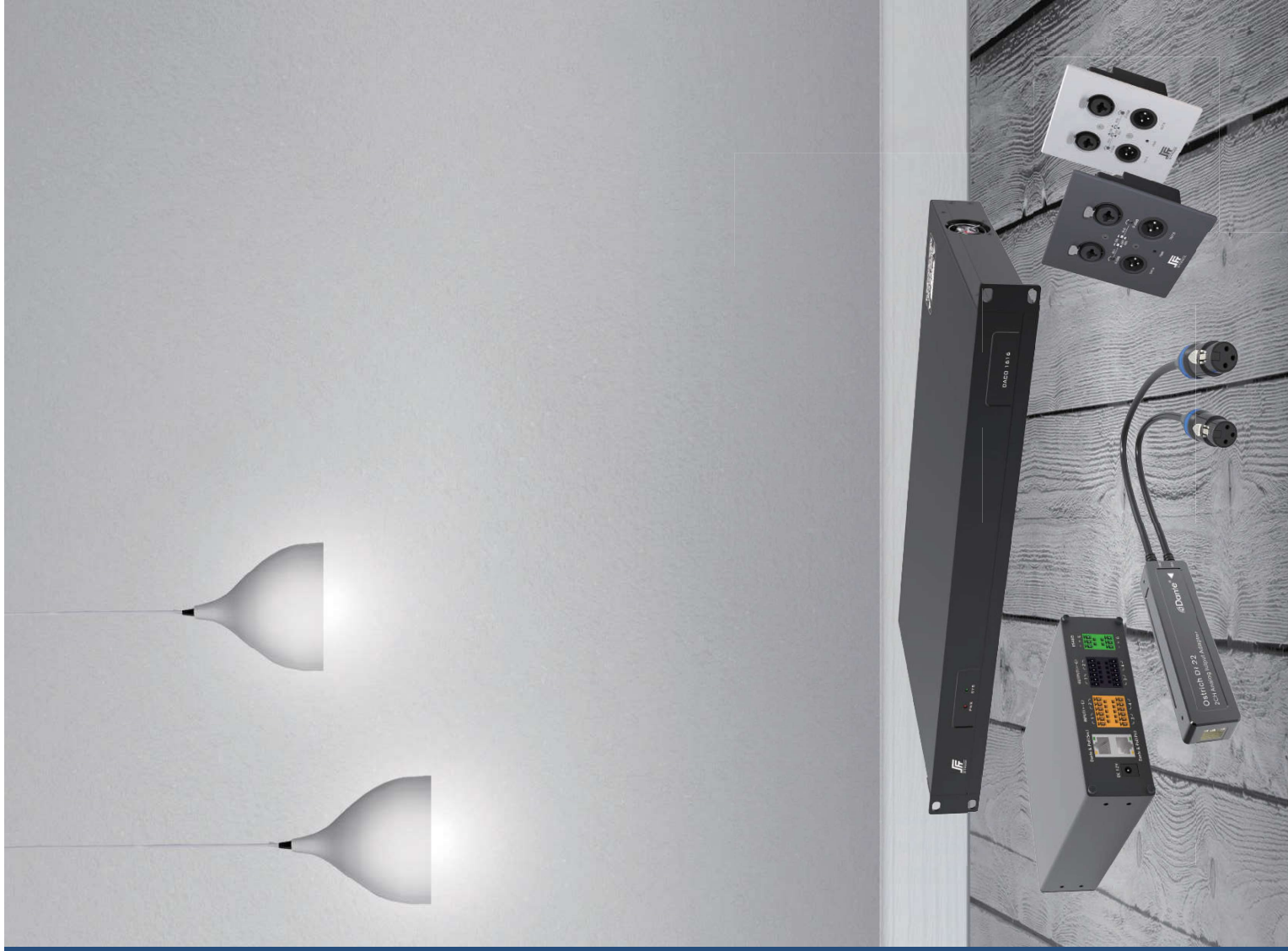
Command center



Classroom



# Connectivity Solutions



# Multi Channel Dante Interface

Model No.:Daco 88;Daco 1616

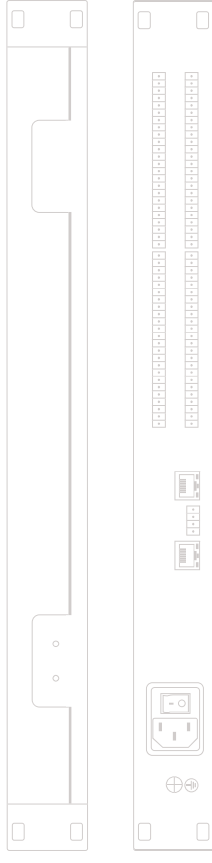


- 
**Dante**  
 AoIP/Audio network
- 
**Uncompressed transmission**  
 Support for ultra high sampling
- 
**Real-time backup**  
 Safety and stability
- 
**Global Configuration**  
 Easy routing
- 
**Support browser web control**

Daco series network audio interface machine realizes the interconversion of network digital audio signal and analog audio signal, and supports the maximum 16 input and 16 output analog channels. It is an excellent choice for digital upgrading and expansion of analog audio system.

# Multi Channel Dante Interface

Sampling	48KHz	Common Mode Rejection	70dB @80 Hz
Phantom power	DC48V	Maximum input level	18dBu
Frequency response	20 ~ 20K Hz, ±0.5dB	Maximum output level	18dBu
THD+N	≤ 0.004% @4dBu	Floor noise	-90dBu
Input impedance (Balanced)	20kΩ	Working Power Supply	AC110V/220V,50Hz/60Hz
Output impedance (Balanced)	100Ω	Operating Temperature	-10~70 °C
Channel isolation	107dB @1k Hz	Size	482x258x45(mm)



Large conference rooms, multi-function rooms, theaters, extended processor input and remote signal access.



## 2 Channel Networked Wall Plate

Model No.: Dpanel, Dpanel-L



DPanel Series wall interface machine, which has analog input and Dante digital input, analog line output and Dante digital output, analog input support phantom power supply and manual front gain adjustment.

## 2 Channel Networked Wall Plate



Conference room, multi-function hall, reserved hidden input and output interface.

Sampling	48KHz	Channel isolation	100dB @1k Hz
Phantom power	DC48V	Common Mode Rejection	80dB @80 Hz
Frequency response	20Hz ~ 20K Hz,±1dB	Maximum input level	18dBu
THD+N	≤ 0.005% @4dBu	Maximum output level	18dBu
Gain regulation	0-20dBu	Floor noise	-80dBu
Input impedance (Balanced)	20kΩ	Working Power Supply	PoE
Output impedance (Balanced)	100Ω	Operating Temperature	-10-70 °C



# 4 Channel Small Form Factor

Model No.: DBOX444-I, DBOX444-H, DBOX66-H



-  TI dual-core High speed floating point DSP
-  Uncompressed transmission Support for ultra high sampling
-  Real-time backup Safety and stability
-  Global Configuration Easy routing
-  Dante AoIP/Audio network

DBOX series network audio interface machine provides the interconversion of network digital audio signal and analog audio signal. 4x4 is an excellent choice for digital upgrading and expansion of analog multimedia system.

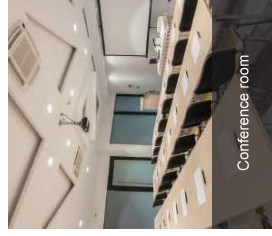
Sampling	48KHz	Maximum input level	10dBu
Phantom power	DC48V	Maximum output level	14dBu
Frequency response	20-20K±0.5dB	Floor noise	-83dBu
THD+N	≦0.02% @4dBu	Working Power Supply	PoE or DC 12V
Input impedance (Balanced)	20KΩ	Operating Temperature	-10-70 °C
Output impedance (Balanced)	100Ω		

# 4 Channel Small Form Factor



DBOX system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, iOS, Android system, fully compatible with IE, CHROME, FFREFOX.

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.



# 2 Channel Dante IO Adapter

Model No.: DI22, DO22, DU22



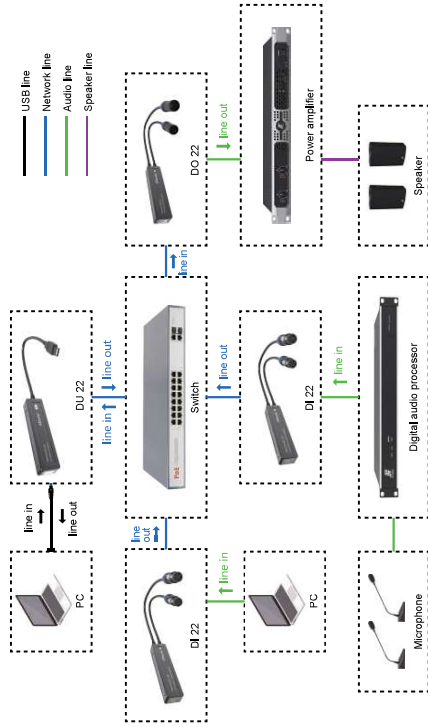
**Ostrich DI22**  
It supports two analog signal inputs and turns to Dante signal output.



**Ostrich DO22**  
It supports Dante signal input, turn to 2-channel analog signal output.



**Ostrich DU22**  
It supports the two-way channel signal transmission from USB signal input to Dante signal output and Dante signal input to USB signal output.



- Compact design, easy to use, supports hot-plug;
- Easily and freely convert between analog audio signal and Dante digital audio signal;
- Extends audio, control, Ethernet, and power with a reasonably network cable.
- One network cable instead of multiple analog or multi-core cables, it is economical, efficient and versatile.
- Extends uncompressed high-quality audio signal with near-zero latency;
- Safe and reliable transmission of high-quality two-channel audio;
- Perfectly supports Dante software, which can easily expand and configure network and audio routing;
- DI22/DO22 supports PoE, and conforms to IEEE 802.3af line power supply function, DU22 supports USB power supply;
- Built-in lightning & surge protection;

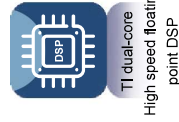
Model No.	DI22 , DO22	
	Input level	Max.18 dBu(DI22)
Channel	DJ 22,2 channel dante inputs	Max.18 dBu(DO22)
	DO 22,2 channel analog inputs	Max.18 dBu(DO22)
Supported network speed	2 channel dante output	20 Hz-20 KHz, ±0.5dB
	2 channel dante output	> 100 dB
Sampling	100/1000Mbps Ethernet	> 100 dB
Bit depth	48KHz	> 100 dB
Latency	24bit	< 0.01%@ 4 dBu
Ethernet connection	1ms(default)	-90dBu
	100BASE-TX(PoE support)	PoE
Input impedance (Balanced)	20 KΩ (DI22)	2 W
	100 Ω (DO22)	≥ USB 2.0
Output impedance (Balanced)	DU22	USB
	R,45 and USB class A	Power Supply
Model No.	DU22	
Connector	R,45 and USB class A	
Sampling	48 KHz	

# Centralized DSP



# DCORE Dante

Model No.:DCORE 6464.3232



TI dual-core  
High speed floating  
point DSP



Dante  
AoP/Audio network



Uncompressed  
transmission  
Support for ultra  
high sampling



Real-time backup  
Safety and stability



Global Configuration  
Easy routing

DCORE series is developed for Dante DSP processing equipment, only Dante digital signal processing, no analog signal processing. The transmission and processing of audio signal can be provide by connecting it to Dante network. Maximum support of 64\*64, modular configuration, more efficient signal processing, Support feedback cancellation (AFC), support echo cancellation (AEC), support noise cancellation (ANC), Supports up to 64 input and output channels of matrix mixing and 16 channels of full function signal processing.

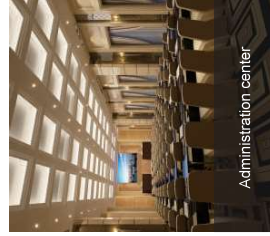
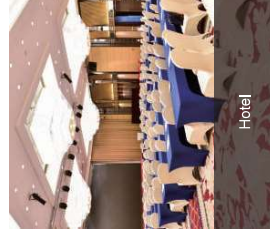
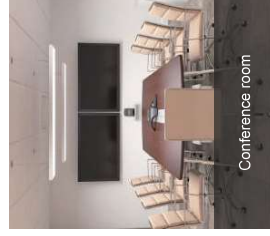
DANTE Number of audio digital input channels	64
DANTE Number of audio digital output channels	64
Working power supply	AC110V/220V,50Hz/60Hz
Operating temperature	-10~70℃
Size (W x D x H)	482x258x45(mm)

# DCORE Dante



DCORE control system, can provide users with more intuitive operation experience and more intelligent audio processing experience, client support Windows, iOS, Android system, fully compatible with IE, CHROME, FIREFOX.

Conference center, hotel, gymnasium, with Dante microphone, Dante interface machine, Dante amplifier, Dante speaker, constitute a large network audio system.



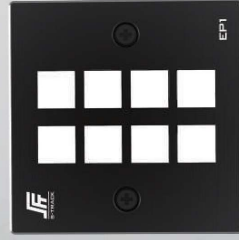


# Control Panel



# Control Panel

Model No.: Push Button Wall Plate (EP1) ; Touch-screen (P5)



P series control panel is a new touch operation developed by S-Track, this wall embedded control panel control the network audio processor via the network. It also has an attractive appearance, fashionable and generous design.

- PoE or 12V adapter power supply, hot backup.
- Network control processor without distance limitation;
- Resistance/capacitance touch screen operation;
- Quick scene switching and easy to use;
- Desktop/wall installation;

Notes: EP1 is mainly suitable for s-track education system, which is used with Lion44N.

# Control Panel

It can be used with TIGER, LION, ABOX, DBOX, DCORE and other products.



TIGER Series



LION Series



ABOX Series

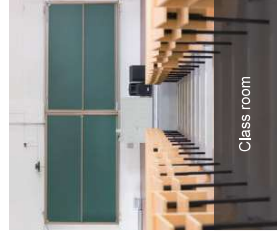
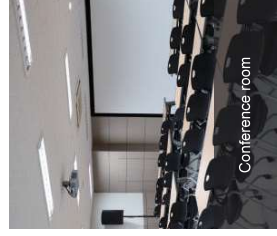


DBOX Series



DCORE Series

It is suitable for meeting rooms, courts, command centers, classroom interaction and other occasions.





# Microphone Series



## Table Microphone

Model No.:NAJA A201,DA201



Model No.:NAJA Y201,DY201



## Conference Microphone

NAJA A201, DA201 are a desktop array microphone. A201 is the analog interface DA201 built-in Dante and PoE module that can directly connect to the Dante network, providing a low-latency, high-fidelity and low-cost solution for point-to-point audio connections.

Model No.	NAJA A201	NAJA DA201
Frequency response	20 ~ 20kHz	20 ~ 20kHz
Maximum input level	0dBu@+20dB gain	0dBu@+20dB gain
Input resistance	2.2KΩ	2.2KΩ
SNR	65dB, 1kHz	65dB, 1kHz
Consumed power	2.3W	2.3W
Output interface	XLR	RJ45
Dante network	/	100Mbps above CAT5 or CAT6
Power supply	48V Phantom supply	PoE

NAJA Y201, DY201 series products are gooseneck microphones. NAJA Y201 series supports analog signal input. NAJA DY201 is a network microphone that can convert analog audio signals into digital audio signals and supports PoE power supply and Dante network signal transmission.

Model No.	NAJA Y201	NAJA DY201
Frequency response	100Hz ~ 16kHz	100Hz ~ 16kHz
SNR	65dB, 1 kHz	65dB, 1 kHz
Consumed power	/	1.5W
Output interface	XLR	RJ45
Dante network	/	100Mbps above CAT5 or CAT6
Power	/	PoE IEEE802.3af standard
Power Supply	48V Phantom supply	PoE

# Hanging Microphone

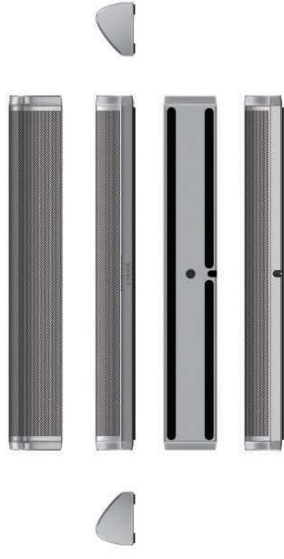
Model No.:NAJA A302



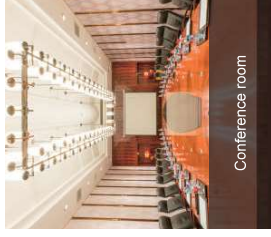
NAJA A302 series array microphone is composed of far-field microphone array, which can effectively guarantee remote sound pickup effect . It has high sensitivity and strong direction of picking up sound, which can reduce the feedback problem, mainly used for teaching and recording system, class room Etc. ...

- 5-8 meters long distance pickup;
- Beamforming algorithm;
- 120 degree accurate pickup;
- 23 far field microphone arrays;
- Voice enhancement;
- Full digital processing, operation without conversion between digital and analog;

# Hanging Microphone



Application: Conference room, training room, classroom Etc. ...

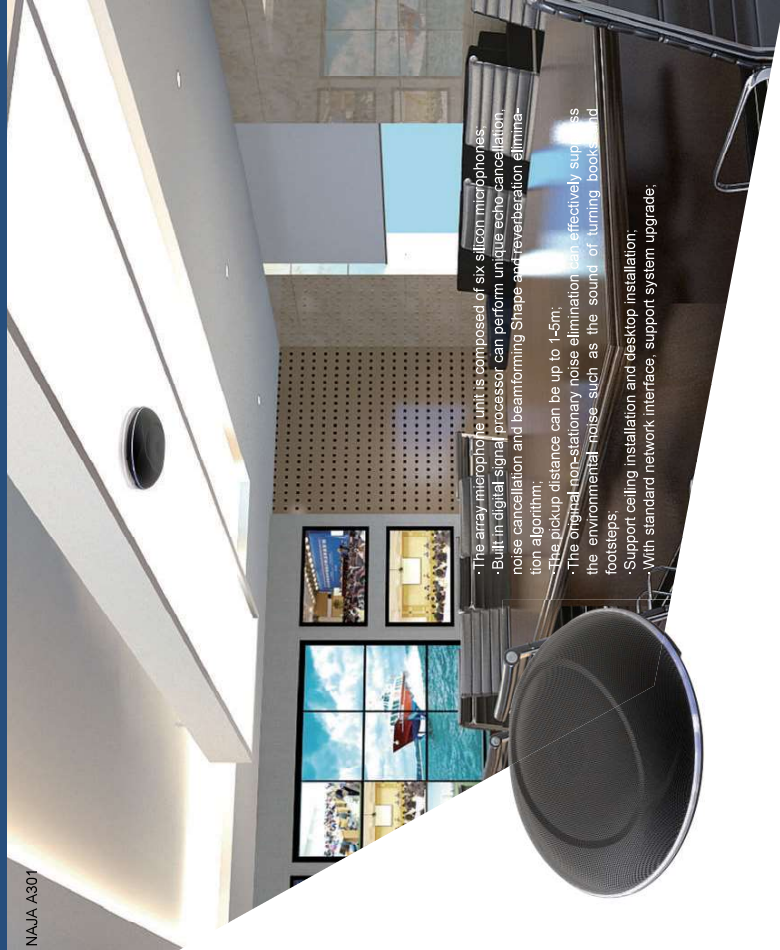


Output interface	Phoenix 3p (male)
Directivity	Type T
Dynamic range	95dB
Sensitivity	- 10dB
Maximum power consumption	1W
Pickup distance	5-8 Meters
Frequency response	70-16KHz
SNR (Signal to Noise Ratio)	80dB



## Ceiling Microphone

Model No.: NAJA A301



- The array microphone unit is composed of six silicon microphones.
- Built-in digital signal processor can perform unique echo cancellation, noise cancellation and beamforming Shape and reverberation elimination algorithm.
- The pickup distance can be up to 1-5m.
- The original non-stationary noise elimination can effectively suppress the environmental noise such as the sound of turning books and footsteps.
- Support ceiling installation and desktop installation.
- With standard network interface, support system upgrade.

NAJA A301 array microphones adopt beamforming algorithm to locate sound sources for accurate acquisition. Long distance pickup system, also can avoid invalid noise entering the audio system.

Pickup distance	1-5m (indoor environment)
No. of array elements	6
Positional accuracy	±15°
SNR	>65dB
Auditory localization	360°
Built-in audio algorithm	AEC, ANC, AGC, Dereverb, BF, DoA
Maximum power consumption	1.5W
Size	123x30mm

## Discussion & Conference System

Model No.: YH01



- 4-way conference unit input port, supporting 120 units;
- It adopts aluminum alloy panel and sheet metal body, built-in anti-static treatment, and can resist ±8KV static electricity;
- It has passed ISO9001, RoHS, CE, FCC, CCC certification;
- With 2U international standard design;
- Built-in international universal power supply and voltage stabilizing system to ensure safe use under unstable voltage conditions;
- With the meeting management software, you can realize more value-added functions, making the operation easier, more efficient and more humane;

Frequency response	20 ~ 20KHz	Crosstalk attenuation	>80dB
SNR	102dB	Master gain control	15x1dB and Turn off (mute)
Dynamic range	106dB	Line input/output level	-18dBu/+12dBu
Harmonic distortion	<0.5%	Recording input/output level	-33dBu/-3dBu
Audio interface	Balanced output	Input channel	4 Channel 6PDIN+1 XLR
Output impedance	470Ω	Output channel	3 PHOENIX+1 XLR
Power dissipation	Single:25W, Maximum 350W	Working power supply	AC90-260V,50-60Hz
No. of Microphone	120 Set	Operating temperature	5 ~ 45℃

# Discussion & Conference System

Model No.:NAJA YH201



- Daisy-chain connection;
- Built-in high-performance embedded CPU;
- Top quality gold film microphone head, high fidelity sound assurance;
- High resolution capacitive touch screen, can accept short message, can also send instructions to the background, front and back communication;
- With check-in, voting, scoring and other functions dynamic dial display time, a variety of dial style optional;
- With microphone physical switch on and off, or with touch screen;
- 1 Ø forced the 3.5 mm stereo headphone jack, participants can choose to use headphones to listen to speak;
- System unit with 6 core shielded wire, hot plug protection, short circuit protection;

Maximum power consumption	<2.5W	Output impedance	200 Ω
Headset load	32Ω-2KΩ	Maximum sound pressure level	110dB
Headset volume	10mW	Equivalent noise level	<25dB SPL (A)
Headset Output port	Ø 3.5mm Stereo jack	Overload harmonic distortion	<1%
Sound head	14 Millimeter capacitor type gold-plated film microphone	Size	Microphone rod: 230x35x24(mm) Base: 146x104x65(mm)
Screen resolution	640x480	Connection type	6 Core shielded wire 2 Core shielded wire
Directivity	Supercardioid	Temperature range	5 - 45 °C
Frequency response	100-16kHz	Relative humidity	Maximum 95%
Sensitivity	-34dB±2dB		

# Discussion & Conference System

Model No.:NAJA YH202



- Daisy-chain connection;
- Built-in high-performance embedded CPU;
- Top quality gold film microphone head, high fidelity sound assurance;
- With microphone physical switch on and off
- 1 Ø forced the 3.5 mm stereo headphone jack, participants can choose to use headphones to listen to speak;
- System unit with 6 core shielded wire, hot plug protection, short circuit protection;

Maximum power consumption	<1W	Maximum sound pressure level	110dB
Headset load	32Ω-2KΩ	Equivalent noise level	<25dB SPL (A)
Headset volume	10mW	Overload harmonic distortion	<1%
Headset Output port	Ø 3.5mm Stereo jack	Size	Microphone rod: 230x35x24(mm) Base: 146x104x65(mm)
Sound head	14 Millimeter capacitor type gold-plated film microphone	Connection type	6 Core shielded wire
Directivity	Supercardioid	Temperature range	Working: 5 - 45 °C
Frequency response	100-16kHz	Relative humidity	Maximum 95%
Sensitivity	-34dB±2dB		
Output impedance	200 Ω		

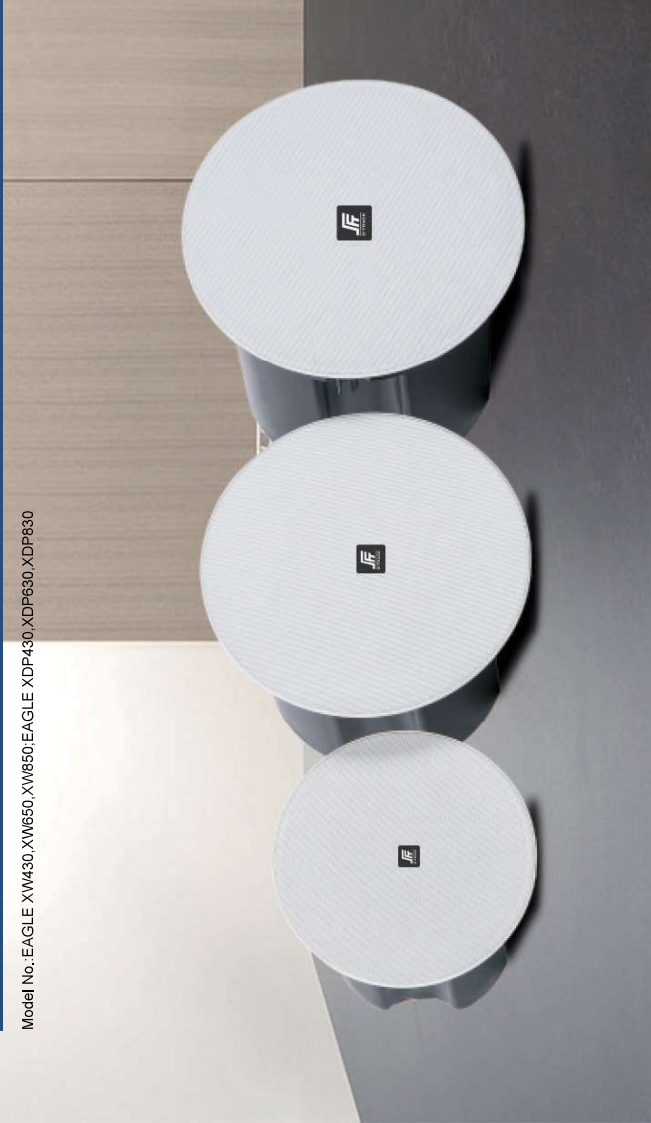
# Speaker Series





# Ceiling Speaker (Dante PoE)

Model No.:EAGLE XW430,XW650,XW850;EAGLE XDP430,XDP630,XDP830



It usually installed on the ceiling, used in background music and conference systems, has the advantage that the speaker can be better hidden after the system is installed.

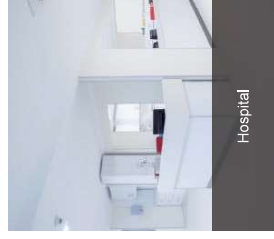
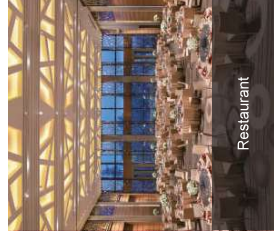
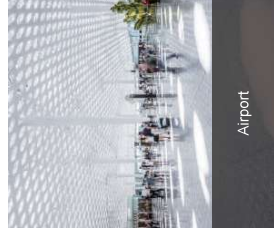


# Ceiling Speaker (Dante PoE)



Model No.	Ceiling speaker			DantePoE ceiling speaker		
	EAGLE XW430	EAGLE XW650	EAGLE XW850	EAGLE XDP430	EAGLE XDP630	EAGLE XDP830
Frequency response	125-20KHz	120-20KHz	110-20KHz	120-20KHz	120-20KHz	120-20KHz
Cover Angle	90°	90°	120°	100°	100°	100°
Sound pressure level	110dB	112dB	112dB	100dB	110dB	110dB
Sensitivity	89dB±3dB	89dB±3dB	89dB±3dB	90dB	90dB	90dB
Input interface	Binding post	Binding post	Binding post	RJ-45	RJ-45	RJ-45
Power	30W	50W	50W	30W	30W	30W
impedance	16Ω	8Ω	8Ω	/	/	/
Net Weight	1.8kg	2.9kg	4.0kg	1.5kg	3.5kg	5.5kg

The speaker is mainly used in airports, hotels, conference rooms, convention centers, restaurants, schools, hospitals, shopping malls, specialty stores and all kinds of background music sound amplifiers.



## Dante PoE Loudspeaker

Model No.:EAGLE DP65400



Model No.	EAGLE DP65400
Frequency response	70 Hz-21kHz
Rated power (AES)	300W RMS, 600W PEAK
Cover Angle	180°
Sound pressure level	118dB
Sensitivity	92dB, 1w/1m
Loudspeaker	Bass 6.5" x1,treble 1" imported magnesium film+horn drive
Normal impedance	8Ω
System composition	6.5".Two way two unit,built-in frequency division single drive full frequency box

## Dante PoE Loudspeaker

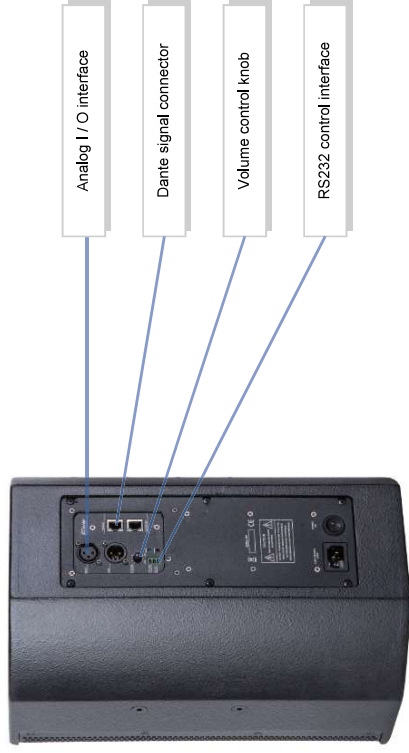
Model No.:EAGLE ZDP220,EAGLE ZDP840



Model No.	EAGLE ZDP220	EAGLE ZDP840
Unit	2"x4	2"x8
System sound pressure	85dB(1w @ 1m)	88dB(1w @ 1m)
Instantaneous maximum sound pressure	96dB	96dB
Rated power	20W	40W
Frequency response	200-18kHz,±10dB	200-18kHz,±10dB
Impedance	8Ω	4Ω
Horizontal diffusion angle	110 degs@1kHz	110 degs@1kHz
Size(w x h x d)	73.5x259x70(mm)	73.5x553x70(mm)
Weight	1.25kg	2.25kg

# Dante active speaker

Model No.:EAGLE DY6100,DY8100,DY10120,DY12350



# Intelligent Portable Active Speaker System

Model No.:SSM2110



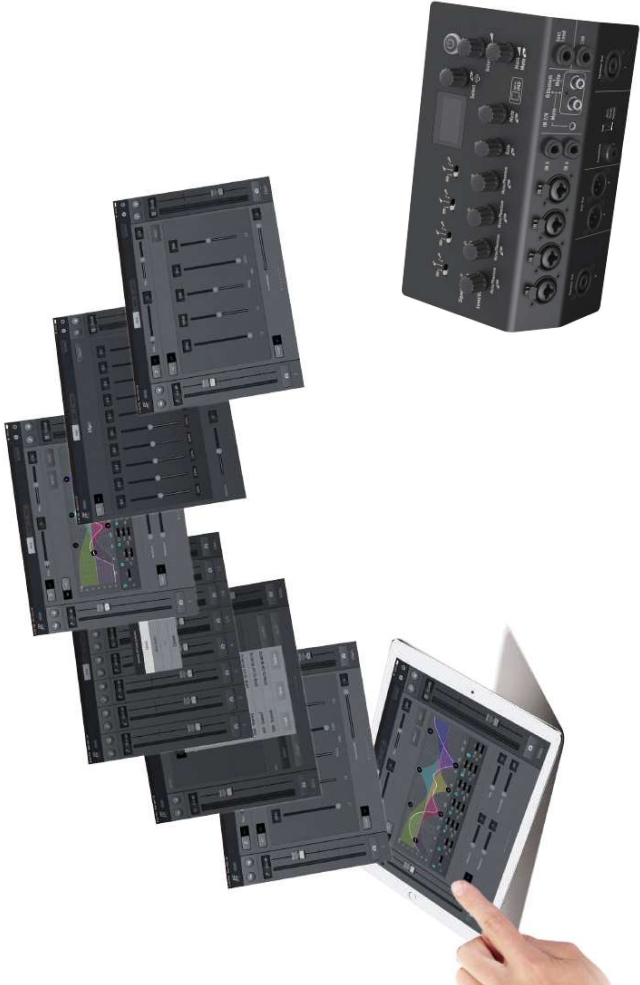
- Support 2.1 stereo system
- Supports wireless tuning of active speaker system
- Support IOS, Android wireless connection tuning

Dante is based on the three-layer IP network technology. It adopts the zeroconf protocol, which simplifies the operation mode of the network, and realizes synchronous playback with low delay. The device is plug and play, the system is built without topology limitation, the installation configuration is very convenient, and the wiring is simple.

Model No.	EAGLE DY6100	EAGLE DY8100	EAGLE DY10120	EAGLE DY12350
Frequency response	55Hz-20kHz,±3dB	55Hz-20kHz,±3dB	50Hz-20kHz,±3dB	50Hz-20kHz,±3dB
Rated power	80W	100W	120W	350W
maximum sound pressure	113dB	115dB	118dB	129dB
Sensitivity	88dB	89dB	90dB	98dB
Coverage angle	80°×80°	80°×80°	80°×80°	80° x 60°
Active power amplifier module impedance	100W	100W	200W	600W
Dante interface	8Ω 2 x RJ45			
Analog interface	1×XLR Balanced input,1×XLR Balanced output			
control interface	RS232			
Size	215×367×202(mm)	247×381×234(mm)	308×466×290(mm)	350 x 560 x 412 (mm)
Net weight (kg)	5.8kg	8.3kg	12.2kg	16kg

# Intelligent Portable Active Speaker System

Model No.: SSM2110



# Power Amplifier Series

Model No.	SSM2110
Frequency response	20 – 20 kHz, ±3dB
Output rating	300 W(bass) + 120 W(full frequency)
	Full frequency speaker
Maximum sound pressure	121dB
Sensitivity	95dB,1w/1m
Drivers	4" x 2
Size	145x345x175(mm)
	Bass speaker
Maximum sound pressure	115dB
Sensitivity	90dB,1w/1m
Drivers	8" x 2
Size	280x510x433(mm)



# 2 Channel Amplifier

Model No.: Whale 2350, 2650, 2850



- Super-large switching power amplifier;
- Automatic limiting output, short circuit, overload, over temperature, startup delay and other protection functions;
- The amplifier is equipped with a delayed start system to protect the speaker box from damage due to impact;
- Standards frame structure;
- The part of the switching power supply has a separate cooling system;
- The cooling fan is controlled by advanced infinitely variable speed circuit;
- 1U design, light body, easy to carry and install;

Model No.	Whale 2350	Whale 2650	Whale 2850
Output(8Ω, 1kHz)	2x350W	2x650W	2x850W
Output(4Ω, 1kHz)	2x550W	2x1050W	2x1400W
Frequency response	20 ~ 20kHz, ±3dB		
Total distortion	< 1%(8Ω, 350W Hour)	< 1%(8Ω, 650W Hour)	< 1%(8Ω, 850W Hour)
Input sensitivity	+4dB * (1.23V)		
Input impedance	10kΩ (Electron balance)		
SNR (Signal to Noise Ratio)	≥80dB		
Connector	Input: XLR Input connector; Output: SPEAKON output end; Power supply: AC power supply		





## 2 Channel Amplifier

Model No.:Whale 2400,2700,2900



- 2 channel power amplifier, which can be used in meeting rooms, multi-function hall and entertainment places of the hotel, matched with imported speakers and imported unit speakers, easy to listen and sing;
- Small volume, lightweight, supporting 1U cabinet, beautiful and convenient installation;
- linear stabilized voltage shape power supply, ultra-high efficiency, high stability, single power supply per channel, super output current;
- High-efficiency digital power amplifier circuit, with higher efficiency, wider frequency response, smaller distortion and finer sound;
- Super power-saving. In the same environment with the same power within a day, the dissipated power is 1/3 of the power amplifier of flexible AB type transformer;
- Internal application of components with high durability, all core components are imported from the United States and Europe with guaranteed performance;
- International procurement of raw materials, industrial automation and environmental protection production, production process consistency and quality reliability.

Model No.	Whale 2400	Whale 2700	Whale 2900
Output(8Ω, 1kHz)	2x400W	2x700W	2x900W
Output(4Ω, 1kHz)	600W	900W	1200W
Frequency response	20 ~ 20kHz,±3dB		
Input sensitivity	0.775V		
Input impedance	20kΩ(Electronic balance)		
SNR (Signal to NoiseRatio)	100dB		
Supply voltage	AC220/50Hz		
Size	483 x 89 x 270 (mm)		
Net Weight	6kg		

## 4 Channel Amplifier

Model No.:Whale 4150,4350,8150



- Super-large switching power amplifier;
- Automatic limiting output, short circuit, overload, over temperature, startup delay and other protection functions;
- The amplifier is equipped with a delayed start system to protect the speaker box from damage due to impact;
- Standards frame structure;
- The part of the switching power supply has a separate cooling system;
- The cooling fan is controlled by advanced infinitely variable speed circuit;
- 1U design, light body, easy to carry and install;

Model No.	Whale 4150	Whale 4350	Whale 8150
Output(8Ω, 1kHz)	4x150W	4x350W	8x150W
Output(4Ω, 1kHz)	4x250W	4x550W	8x250W
Frequency response	20 ~ 20kHz,±3dB		
Total distortion	1%(8Ω, 150W)	1%(8Ω, 250W)	1%(8Ω, 150W)
Input sensitivity	+4dB * (1.23V)		
Input impedance	10kΩ(Electronic balance)		
SNR (Signal to NoiseRatio)	≥80dB		
Connector	Input :XLR Input connector; Output :SPEAKON output end; Power supply: AC power supply		

# 4 Channel Amplifier

Model No.:Whale 4400,41300



- 4 channel power amplifier, which can be used in meeting rooms, multi-function hall and entertainment places of the hotel, matched with imported speakers and imported unit speakers, easy to listen and sing;
- Small volume, lightweight, supporting 1U cabinet, beautiful and convenient installation;
- linear stabilized voltage shape power supply, ultra-high efficiency, high stability, single power supply per channel, super output current;
- High-efficiency digital power amplifier circuit, with higher efficiency, wider frequency response, smaller distortion and finer sound;
- Super power-saving. In the same environment with the same power within a day, the dissipated power is 1/3 of the power amplifier of flexible AB type transformer;
- Internal application of components with high durability, all core components are imported from the United States and Europe with guaranteed performance;
- International procurement of raw materials, industrial automation and environmental protection production, production process consistency and quality reliability.

Model No.	Whale 4400	Whale 41300
Output(8Ω,1kHz)	4x400W	4x1300W
Output(4Ω,1kHz)	600W	2100W
Frequency response	20 ~ 35kHz,±3dB	20 ~ 35kHz,±3dB
Input sensitivity	0.775V	0.775V
Input impedance	20KΩ(balanced input) 10KΩ(unbalanced input)	20KΩ(balanced input) 10KΩ(unbalanced input)
SNR	100dB	110dB
(Signal to NoiseRatio)	>95dB	>85dB
channel separation	>95dB	>85dB
Total harmonic distortion	<0.1%	<0.1%
Supply voltage	AC220/50Hz	AC220/50Hz

# 4-channel DSP digital power amplifier

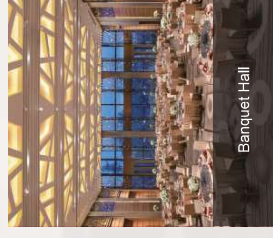
Model No.:Whale 4600



The 4-channel DSP digital power amplifier is composed of a 3.97-inch color TFT resistance touch screen module and an audio processing module. There are four channels of analog audio balance signal input terminals, which are converted into four channels of balanced output after processing.

- It adopts high performance ADI DSP processor, high fidelity and low noise 24-bit A/D and D/A conversion;
- Built-in Dante network transmission module, support 4 Dante signal /4 analog signal input, 4 groups of digital power amplifier output;
- With limited amplitude, frequency division, delay, PEQ, mute, inverse phase, gain adjustment, level indication function, etc.
- Multiple sets of scene save, change, import and export functions;
- With USB /network control interface, it can realize PC control for parameter configuration, Scene change and save;
- Adopt 3.97-inch color TFT resistive touch screen, support Chinese and English menu operation, the display content is more comprehensive and intuitive;
- It has the functions of anti-shock, over-current, over-heat, protection after temperature detection, short-circuit and DC protection;

It is mainly suitable for meeting rooms of government and enterprises, small and medium-sized meeting rooms, lecture halls, small and medium-sized banquet halls, VIP reception halls, conference centers, remote meetings and other places.



# 4-channel DSP digital power amplifier

Model No.:Whale 4600



The software interface is divided into two versions: the PC version and the touch screen version, which are displayed on the Windows platform and the touch screen. They can synchronize with each other through Touch screen, Dante and USB.

Frequency response	20 ~ 20kHz,±0.3dB
Maximum input level	+14 dBu, balance input
Maximum output level	+14 dBu, balanced output
THD+N	<0.008% @ 2.2 dBu
Sampling	48KHz
Digitalizing bit	24bit
Floor noise	-88dBu
Input impedance	20KΩ,(balanced input),10KΩ,(unbalanced input)
Output impedance	100Ω,(balanced output),50Ω,(unbalanced output)
Power waste	<6W
working voltage	+12V,-12V,5V