



Professional Amplifier

Intelligent Hot Backup Amplifier Series

Intelligent controller AK260(Host)



AK series Intelligent Hot Backup Amplifier (DSP, TD)

AD series Network Intelligent Hot Backup Amplifier (DANTE+DSP, TD)



AD series Network Intelligent Hot Backup Amplifier Back



Smart Thermal Switch



A/D Auto Switch



Advanced Nanocrystals Full Bridge Switched Power Supply



Remote Network Monitor



DSP Sound Control



Smart Temperature Control



AGC Protection



Remote Switch

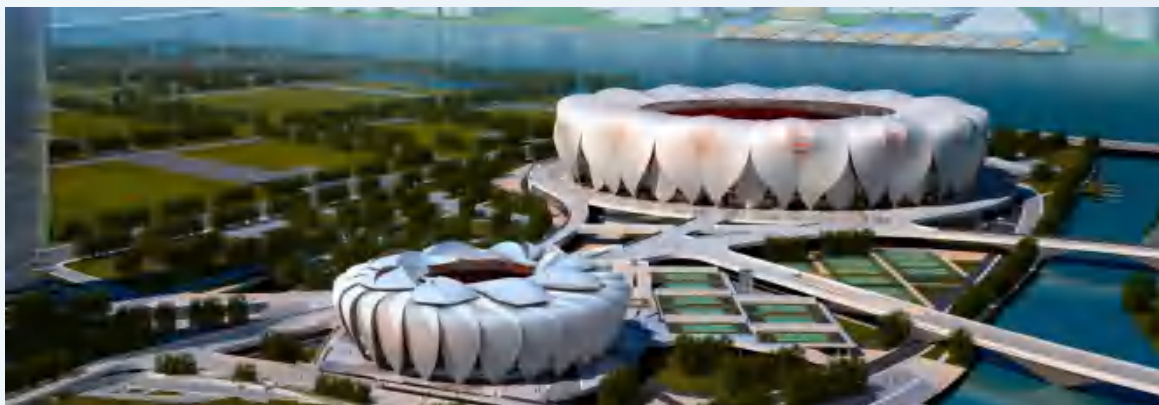
R&D Background



- Power amplifier is the driving source of the speaker system. It needs to run continuously for a long time under high voltage, high power and high temperature. It is the main energy consuming device of the sound amplification system, which directly affects the sound quality, energy consumption and reliability of the sound amplification system.
- Therefore, high-quality and efficient network monitoring amplifier has been widely concerned at domestic and abroad. Although the digital amplifier developed in recent years has 90% high power conversion efficiency, it has not been widely used because of low bass energy, impure waveform and high price.
- The energy efficiency of traditional power amplifiers is usually around 50% (class AB amplification, 8 ohm speaker load), and the energy efficiency will also decrease with the reduction of the load impedance, which not only generates heat and consumes a lot of energy, but also affects the reliability of the long-term operation of the amplifier. Therefore, a hot backup digital power amplifier system has been developed, which adopts the international advanced and original nanocrystalline full-bridge switching power supply circuit, the independent module 8-layer board layout, and the built-in "π" type LC power filter technology development, which is specially developed for the protection of important conferences and venues. , military and other special places sound reinforcement system, etc. The technical system is safer and more reliable than the conventional sound reinforcement system.

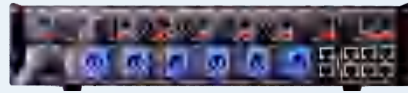
Product Honor

Used in Hangzhou Asian Games to support the reinforcement system of this games





Front



Back

Intelligent controller AK260(Host)



Front



Back

AK series Intelligent Hot Backup Amplifier (DSP, TD)

8Ω 4X700W AKF700

8Ω 4X1000W AKF1000

8Ω 4X1600W AKF1600

8Ω 2X700W AKT700

8Ω 2X1000W AKT1000

8Ω 2X1600W AKT1600

8Ω 2X2400W AKT2400



Front



Back

AD Network Intelligent Hot Backup Amplifier (DANTE+DSP, TD)

8Ω 4X700W ADF700

8Ω 4X1000W ADF1000

8Ω 4X1600W ADF1600

8Ω 2X700W ADT700

8Ω 2X1000W ADT1000

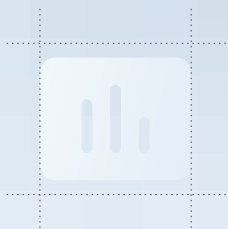
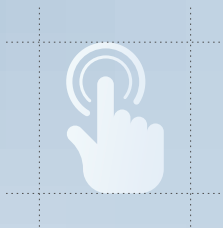
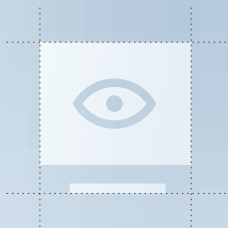
8Ω 2X1600W ADT1600

8Ω 2X2400W ADT2400

Innovations



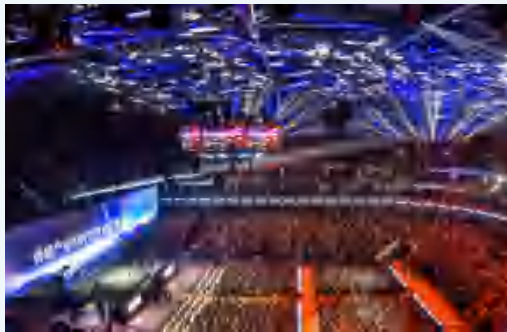
- Remotenetworkmonitoringwithmaster/standbyswitchingfunction.
- Largescreen display,DSPsound control,touchscreen operation.
- The overall gain and output power can be set, powered by nanocrystal switching power supply.
- Low noise, low fan noise, square wave auto-suppression, constant pressure auto-adjustment.
- Protection functions: power-on protection, power-off protection, load open-circuit protection, short-circuit protection, DC output truncation protection, overheat protection, gain self-lock protection, input overload protection, power supply surge current protection,etc.
- Anti-screaming protection: When the sound amplification system screams, the amplifier automatically reduces the output power, prevents damage to the speaker from overloading,smartfan,smarttemperaturecontrol speedfromfronttoback.



Applications



- The system is widely used in various performance, stadium, conference hall, theater, multi-function hall, etc. It provides sound unimpeded and safe for audio signal operation, and is the best solution for high-end audio amplification system.



Performances/ large theme parks



Gymnasium/ stadium



Conference room



Theatre



Advanced Multi-functional Hall



High-end cinema

Introduction

- AK260 Intelligent Controller is a sequential power supply which can provide 20000w in and out, with built-in π -filter, purifying power supply and strong anti-interference. The AK260 smart controller can automatically detect and monitor the operation status of the power amplifier. It can recognize four kinds of signals: LF, MF, HF or full range frequency. If AK260 detects that there is no signal output from an amplifier, it will automatically switch the backup amplifier to the position of the faulty main amplifier to achieve seamless and automatic switch. Ensures sound amplification system runs stably and reliably without loss.

Innovation

- As the core of the whole intelligent hot backup system, the AK260 intelligent controller can monitor the operation status of each amplifier. If abnormalities are found, the backup amplifier can be automatically switched to the position of the main amplifier in failure, which can achieve seamless automatic switching.

Intelligent Controller AK260 (Host)



Front



Back

Features

- 1.Intelligent controller:** screen display input current, voltage, over-voltage, under-voltage automatic alarm;
- 2.**The large screen displays the operation status of the system;
- 3.**1 master and 1 backup, 2 master and 1 backup, 3 master and 1 backup, 4 master and 1 backup, automatic switching of uninterrupted output;
- 4.Connection method:** 485;
- 5.The total amount of the system:** \leq 255 machines;
- 6.**Single machine or system adjustment function;
- 7.**Online amplifier working status monitoring;
- 8.**Abnormal automatic warning;
- 9.Remote control:** remote use of headquarters monitoring;
- 10.**Diagnose amplifier faults in different places;
- 11.**Intelligent amplifier system monitoring.



Front



Specifications

- 1.Input voltage:** 220V+10%, 50-60Hz;
- 2.Maximum output power:** 20000W;
- 3.**Dynamic display of operation voltage and output current, and display of IP address code;
- 4.**Six-way sequential power output with operation state display;
- 5.**When a sequential circuit is protected or malfunctioning, it can automatically and seamlessly switch to a socket for normal operation.
- 6.**PC remote on/off (multiple joint control possible);
- 7.**The automatic backup of the amplifier can be set as 1 master and 1 backup, 2 master and 1 backup, 3 master and 1 backup, 4 master and 1 backup. With operation status display;
- 8.**When the master amplifier is protected or faulty, the backup amplifier automatically switches the output seamlessly, with working status display;
- 9.**When the protection or failure of multiple master amplifiers occurs, the parallel output is automatically and continuously backed up;
- 10.**Automatically identify and switch the input signal of the master amplifier to the backup amplifier;
- 11.**Automatically read and save the built-in parameters of the master amplifier DSP to the backup amplifier.
- 12.Product data:** Product size: 483mmx88mm(2U)x475 mm Net weight: 10kg
- 13.Packing data:** Packing size: 550mmx160mmx600mm Net weight: 12kg



Back

Production Introduction

AK Intelligent Hot Backup Amplifier (DSP,TD)

Introduction

- The intelligent hot backup power amplifier adopts nanocrystalline switching power supply, TD class (digital-analog) amplifier, built-in high-performance DSP processor, and supporting intelligent network control system software.

Innovations

- Seamless switching: When the master amplifier is protected or fails, the backup amplifier automatically switches output within one hundredth of a second (10ms);
- Continuous backup: In case of multiple master amplifier protection or failure, the processor automatically parallels the output, and all speakers amplify normally;
- Processor: Automatically deactivate the backup function when the master/standby switch fails to turn to normal sound amplification;
- DSP parameters: The processor automatically reads and saves the built-in parameters of the master amplifier DSP and switches to the use of the backup amplifier.

AK series Intelligent Hot Backup Amplifier (DSP, TD)



Front



Back

Features

1. Intelligent heat dissipation: In-machine heat sink fan automatically real-time temperature control rotation speed, the fan noise is always controlled in the lowest state, which solves the problem of environmental noise;

2. AGC protection: When the input signal is too large (output power overload), the AGC module automatically adjusts the channel gain constant power (100%) output, the core algorithm ensures the sound quality, and protects the speaker;

3. Initiative intelligent digital protection system: square wave, DC, overload, scream, low resistance, short circuit, overheat, over current, overvoltage, on/off, etc.

① Square wave protection: automatically identify the waveform with the load impedance, and adjust to no square wave power output.

② DC protection: automatically detect the midpoint potential, and adjust to no DC voltage output.

③ After the protection of short circuit, overheat, over current and overvoltage is released, it will automatically return to the original working state.

④ Howling protection: automatically identify single-frequency signal, and reduce the output power.

⑤ Low-resistance protection: Automatically detect the load impedance and adjust the adaptive power output.

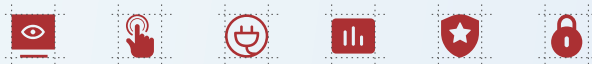
⑥ Intelligent audio control: When booting or restarting, the volume will automatically gradually increase from small to large without impact output.

⑦ Intelligent temperature control: When the machine is overheated, it will automatically reduce the power and continue to output continuous sound.

4. High efficiency: original nanocrystalline full-bridge switching power supply, peak power > 20000W, surging kinetic energy, large margin, overall machine efficiency > 89%, energy saving and environmental protection, safe and reliable;

5. Good sound quality: digital/analog dynamic class A amplification, fast speed (instantaneous response) and good control force (damping). The bass is strong and powerful, the midrange is round and delicate, and the treble is clear and thorough;

6. Color screen display: 4.3-inch HD screen, Chinese/English interactive display can be selected;



7. Screen display information: product brand, internal temperature, working voltage, volume display, channel display, signal display, output power, working mode, signal routing, IP address, remote on/off, power setting, sensitivity, working status, address code, system monitoring, mute switch, setting button;

8. Touch screen control: volume, mute, lock screen, password, bright/dark screen;

① Automatic lock screen: Automatically lock the screen after stopping the operation for 180s, long press the screen for 3s to unlock.

② Dark screen energy saving: After stopping the operation for 30s, the screen brightness will automatically dim and enter the energy saving display mode.

9. DSP function settings: working mode, input routing, overall gain, output voltage, equalizer, frequency divider, delay, compressor, channel phase, noise gate, data loading, signal backup, channel copy, system settings, save, exit;

① System settings: color screen backlight can be adjusted, and Chinese/English display can be selected.

② Output voltage: The output voltage of each channel can be independently selected for broadcast sound reinforcement. At the same time, the output power is displayed, and the speaker power is adapted.

③ No phase shift filter: EQ with FIR (no phase shift equalization).

④ Time difference correction: frequency divider with delay adjustment, four-channel unified interface operation and display.

10. Network intelligent control: IP LAN, multiple (≥ 255) power amplifier joint control;

11. Intelligent monitoring: PC network remote intelligent detection and analysis of the working status, temperature, protection and faults of each channel;

12. Cross-border central control: accept the cross-border central control signal, monitor the switch and working status;

13. Routing distribution: 4 channels (analog \times 4) signal input and channel signal matrix selection;

14. Signal backup: 4 channels of input signals have mutual hot backup function, switching time and signal threshold can be selected;

15. Remote control: PC remote switch (optional);

16. Regulated power supply: switching power supply with PFC regulated power supply, dynamic power factor (optional);

17. Power amplifier backup system (two-channel power amplifier, optional): When the main power amplifier is protected or faulty, the backup power amplifier automatically switches seamlessly and continuously outputs the sound.

AK series specifications

Specifications	AKF700(4-CH)	AKF1000(4-CH)	AKF1600(4-CH)
Output power(RMS)	8Ω single channel 700W	8Ω single channel 1000W	8Ω single channel 1600W
	4Ω/2Ω 1100W	4Ω/2Ω 1600W	4Ω/2Ω 2400W
	Bridge 8Ω/4Ω 1800W	Bridge 8Ω/4Ω 2500W	Bridge 8Ω/4Ω 4000W
Output voltage(V/W)	10-75V	10-90V	10-115V
PC group control	Multiple (optional)	Multiple (optional)	Multiple (optional)
Hot backup system	Optional	Optional	Optional
Input impedance(single channel)	20KΩ(bal/single) 10KΩ(unbal/two channel parallel)		
Input sensitivity	0dB-15dB(Each channel can be adjusted independently)		
Overall gain	29dB-44dB(Each channel can be adjusted independently)		
Electronic volume	0dB-50dB, step 0.25dB		
Channel separation	> 50dB (8Ω 1KHz)		
Conversion rate	> 30V/us (8Ω 1KHz)		
Damping factor	> 300 (8Ω 1KHz)		
SNR	> 100dB(A weighted)		
Frequency response	< ± 0.5dB (8Ω 30W 20-20000Hz)		
THD	< 0.05% (8Ω 30W)		
IMD	< 0.08% (8Ω 30W)		
Operation voltage	AC160V - 260V/50Hz		
Current	0.4-16A (RMS)		
Overall efficiency	85% (8Ω 1KHz)		
Power on current	Start current: < 8A		
Smart digital protection	Square Wave, DC, Overload, Scream, Low Resistance, Short Circuit, Overheat, Over current, Overvoltage, On/Off		
Front panel	4.3 inch HD color screen, display working state, touch screen to set various functions and DSP sound effect, small square power switch		
Rear panel	Power input socket (3-cores) × 1, Signal input XLR (male/female) × 4 IP connection port(RJ-45) × 1, Power output port 4 cores × 4		
Size (WxHxD)	Product size: 483mm × 88mm(2U) × 475mm(with handles and back support) Package size: 550mm × 160mm(2U) × 600mm(with handles and back support)		
Weight	14kg(net weight) 18kg(gross weight)		

IP Communications Input Signal Matrix + Signal Hot Backup DSP with FIR, crossover delay function PC remote monitoring working state + central control
Data Preset 30 (Groups) Color Display + Touch Control (Chinese/English) Auto Dark Screen + Auto Lock Screen (180s)
Temperature Display + Overheat Intelligent Control (Continuous Sound) AGC Automatic Constant Power Output Protection

AK series specifications

Specifications	AKT700(2-CH)	AKT1000(2-CH)	AKT1600(2-CH)	AKT2400(2-CH)
Output power(RMS)	8Ω single channel 700W	8Ω single channel 1000W	8Ω single channel 1600W	8Ω single channel 2400W
	4Ω/2Ω 1100W	4Ω/2Ω 1600W	4Ω/2Ω 2400W	4Ω/2Ω 3400W
	Bridge 8Ω/4Ω 1800W	Bridge 8Ω/4Ω 2500W	Bridge 8Ω/4Ω 4000W	Bridge 8Ω/4Ω 5600W
Output voltage(V/W)	10-75V	10-90V	10-115V	10-140V
PC group control	Multiple (optional)	Multiple (optional)	Multiple (optional)	Multiple (optional)
Hot backup system	Optional	Optional	Optional	Optional
Input impedance(single channel)	20KΩ(bal/single) 10KΩ(unbal/two channel parallel)			
Input sensitivity	0dB-15dB(Each channel can be adjusted independently)			
Overall gain	29dB-44dB(Each channel can be adjusted independently)			
Electronic volume	0dB-50dB, step 0.25dB			
Channel separation	> 50dB (8Ω 1KHz)			
Conversion rate	> 30V/us (8Ω 1KHz)			
Damping factor	> 300 (8Ω 1KHz)			
SNR	> 100dB(A weighted)			
Frequency response	< ± 0.5dB (8Ω 30W 20-20000Hz)			
THD	< 0.05% (8Ω 30W)			
IMD	< 0.08% (8Ω 30W)			
Operation voltage	AC160V - 260V/50Hz			
Current	0.4-16A (RMS)			
Overall efficiency	85% (8Ω 1KHz)			
Power on current	Start current: < 8A			
Smart digital protection	Square Wave, DC, Overload, Scream, Low Resistance, Short Circuit, Overheat, Over current, Overvoltage, On/Off			
Front panel	4.3 inch HD color screen, display working state, touch screen to set various functions and DSP sound effect, small square power switch			
Rear panel	Power input socket (3-cores) × 1, Signal input XLR (male/female) × 2 IP connection port(RJ-45) × 1, Power output port 4 cores × 2			
Size (WxHxD)	Product size: 483mm x 88mm(2U) x 475mm(with handles and back support) Package size: 550mm x 160mm(2U) x 600mm(with handles and back support)			
Weight	12kg(net weight) 16kg(gross weight)			

IP Communications Input Signal Matrix + Signal Hot Backup DSP with FIR, crossover delay function PC remote monitoring working state + central control
Data Preset 30 (Groups) Color Display + Touch Control (Chinese/English) Auto Dark Screen + Auto Lock Screen (180s)
Temperature Display + Overheat Intelligent Control (Continuous Sound) AGC Automatic Constant Power Output Protection

Production Introduction

AD Network Intelligent
Hot Backup Amplifier (DANTE+DSP,TD)

Introduction

- The intelligent hot backup power amplifier adopts nanocrystalline switching power supply, TD class (digital-analog) amplifier, built-in high-performance DSP processor, and supporting intelligent network control system software.

Innovations

- Seamless switching: When the master amplifier is protected or fails, the backup amplifier automatically switches output within one hundredth of a second (10ms);
- Signal backup: Dante, AES digital signal can backup hot switch;
- Continuous backup: In case of multiple master amplifier protection or failure, the processor automatically parallels the output, and all speakers amplify normally;
- Processor: Automatically deactivate the backup function when the master/standby switch fails to turn to normal sound amplification;
- DSP parameters: The processor automatically reads and saves the built-in parameters of the master amplifier DSP and switches to the use of the backup amplifier.

AD series Network Intelligent Hot Backup Amplifier (DANTE+DSP,TD)



Front



Back

Features

1. Intelligent heat dissipation: In-machine heat sink fan automatically real-time temperature control rotation speed, the fan noise is always controlled in the lowest state, which solves the problem of environmental noise;

2. AGC protection: When the input signal is too large (output power overload), the AGC module automatically adjusts the channel gain constant power (100%) output, the core algorithm ensures the sound quality, and protects the speaker;

3. Initiative intelligent digital protection system: square wave, DC, overload, scream, low resistance, short circuit, overheat, over current, overvoltage, on/off, etc.

① Square wave protection: automatically identify the waveform with the load impedance, and adjust to no square wave power output.

② DC protection: automatically detect the midpoint potential, and adjust to no DC voltage output.

③ After the protection of short circuit, overheat, over current and overvoltage is released, it will automatically return to the original working state.

④ Howling protection: automatically identify single-frequency signal, and reduce the output power.

⑤ Low-resistance protection: Automatically detect the load impedance and adjust the adaptive power output.

⑥ Intelligent audio control: When booting or restarting, the volume will automatically gradually increase from small to large without impact output.

⑦ Intelligent temperature control: When the machine is overheated, it will automatically reduce the power and continue to output continuous sound.

4. High efficiency: original nanocrystalline full-bridge switching power supply, peak power > 20000W, surging kinetic energy, large margin, overall machine efficiency > 89%, energy saving and environmental protection, safe and reliable;

5. Good sound quality: digital/analog dynamic class A amplification, fast speed (instantaneous response) and good control force (damping). The bass is strong and powerful, the midrange is round and delicate, and the treble is clear and thorough;

6. Color screen display: 4.3-inch HD screen, Chinese/English interactive display can be selected;



7. Screen display information: product brand, internal temperature, working voltage, volume display, channel display, signal display, output power, working mode, signal routing, IP address, remote on/off, power setting, sensitivity, working status, address code, system monitoring, mute switch, setting button;

8. Touch screen control: volume, mute, lock screen, password, bright/dark screen;

① Automatic lock screen: Automatically lock the screen after stopping the operation for 180s, long press the screen for 3s to unlock.

② Dark screen energy saving: After stopping the operation for 30s, the screen brightness will automatically dim and enter the energy saving display mode.

9. DSP function settings: working mode, input routing, overall gain, output voltage, equalizer, frequency divider, delay, compressor, channel phase, noise gate, data loading, signal backup, channel copy, system settings, save, exit;

① System settings: color screen backlight can be adjusted, and Chinese/English display can be selected.

② Output voltage: The output voltage of each channel can be independently selected for broadcast sound reinforcement. At the same time, the output power is displayed, and the speaker power is adapted.

③ No phase shift filter: EQ with FIR (no phase shift equalization).

④ Time difference correction: frequency divider with delay adjustment, four-channel unified interface operation and display.

10. Network intelligent control: IP LAN, multiple (≥ 255) power amplifier joint control;

11. Intelligent monitoring: PC network remote intelligent detection and analysis of the working status, temperature, protection and faults of each channel;

12. Cross-border central control: accept the cross-border central control signal, monitor the switch and working status;

13. Digital transmission: AES digital signal transmission and control functions;

14. Routing distribution: 10 channels (analog $\times 4$, Dante $\times 4$, AES $\times 2$) signal input and channel signal matrix selection;

15. Signal backup: 10 channels of input signals have mutual hot backup function, switching time and signal threshold can be selected;

16. Remote control: PC remote switch (optional);

17. Regulated power supply: switching power supply with PFC regulated power supply, dynamic power factor (optional);

18. Power amplifier backup system (two-channel power amplifier, optional): When the main power amplifier is protected or faulty, the backup power amplifier automatically switches seamlessly and continuously outputs the sound.

AD series specifications

Specifications	ADF700(4-CH)	ADF1000(4-CH)	ADF1600(4-CH)
Output power(RMS)	8Ω single channel 700W	8Ω single channel 1000W	8Ω single channel 1600W
	4Ω/2Ω 1100W	4Ω/2Ω 1600W	4Ω/2Ω 2400W
	Bridge 8Ω/4Ω 1800W	Bridge 8Ω/4Ω 2500W	Bridge 8Ω/4Ω 4000W
Output voltage(V/W)	10-75V	10-90V	10-115V
PC group control	Multiple (optional)	Multiple (optional)	Multiple (optional)
Hot backup system	Optional	Optional	Optional
Input impedance(single channel)	20KΩ(bal/single) 10KΩ(unbal/two channel parallel)		
Input sensitivity	0dB-15dB(Each channel can be adjusted independently)		
Overall gain	29dB-44dB(Each channel can be adjusted independently)		
Electronic volume	0dB-50dB, step 0.25dB		
Channel separation	> 50dB (8Ω 1KHz)		
Conversion rate	> 30V/us (8Ω 1KHz)		
Damping factor	> 300 (8Ω 1KHz)		
SNR	> 100dB(A weighted)		
Frequency response	< ± 0.5dB (8Ω 30W 20-20000Hz)		
THD	< 0.05% (8Ω 30W)		
IMD	< 0.08% (8Ω 30W)		
Operation voltage	AC160V - 260V/50Hz		
Current	0.4-16A (RMS)		
Overall efficiency	85% (8Ω 1KHz)		
Power on current	Start current: < 8A		
Smart digital protection	Square Wave, DC, Overload, Scream, Low Resistance, Short Circuit, Overheat, Over current, Overvoltage, On/Off		
Front panel	4.3 inch HD color screen, display working state, touch screen to set various functions and DSP sound effect, small square power switch		
Rear panel	Power input socket (3-cores) × 1, Signal input XLR (male/female) × 4, AES input XLR (male/female) × 1 Dante input port(RJ-45) × 1, IP connection port(RJ-45) × 1, Power output port 4 cores × 4		
Size (WxHxD)	Product size: 483mm x 88mm(2U) x 475mm(with handles and back support) Package size: 550mm x 160mm(2U) x 600mm(with handles and back support)		
Weight	14kg(net weight) 18kg(gross weight)		

Dante, AES transmission+IP Communications Input Signal Matrix + Signal Hot Backup DSP with FIR, crossover delay function PC remote monitoring working state + central control
Data Preset 30 (Groups) Color Display + Touch Control (Chinese/English) Auto Dark Screen + Auto Lock Screen (180s)
Temperature Display + Overheat Intelligent Control (Continuous Sound) AGC Automatic Constant Power Output Protection

AD series specifications

Specifications	ADT700(2-CH)	ADT1000(2-CH)	ADT1600(2-CH)	ADT2400(2-CH)
Output power(RMS)	8Ω single channel 700W	8Ω single channel 1000W	8Ω single channel 1600W	8Ω single channel 2400W
	4Ω/2Ω 1100W	4Ω/2Ω 1600W	4Ω/2Ω 2400W	4Ω/2Ω 3400W
	Bridge 8Ω/4Ω 1800W	Bridge 8Ω/4Ω 2500W	Bridge 8Ω/4Ω 4000W	Bridge 8Ω/4Ω 5600W
Output voltage(V/W)	10-75V	10-90V	10-115V	10-140V
PC group control	Multiple (optional)	Multiple (optional)	Multiple (optional)	Multiple (optional)
Hot backup system	Optional	Optional	Optional	Optional
Input impedance(single channel)	20KΩ(bal/single) 10KΩ(unbal/two channel parallel)			
Input sensitivity	0dB-15dB(Each channel can be adjusted independently)			
Overall gain	29dB-44dB(Each channel can be adjusted independently)			
Electronic volume	0dB-50dB, step 0.25dB			
Channel separation	> 50dB (8Ω 1KHz)			
Conversion rate	> 30V/us (8Ω 1KHz)			
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Frequency response	< ± 0.5dB (8Ω 30W 20-20000Hz)			
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Front panel	4.3 inch HD color screen, display working state, touch screen to set various functions and DSP sound effect, small square power switch			
Rear panel	Power input socket (3-cores) × 1, Signal input XLR (male/female) × 2, AES input XLR (male/female) × 1 Dante input port(RJ-45) × 1 , IP connection port(RJ-45) × 1, Power output port 4 cores × 2			
Size (WxHxD)	Product size: 483mm × 88mm(2U) × 475mm(with handles and back support) Package size: 550mm × 160mm(2U) × 600mm(with handles and back support)			
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Data Preset 30 (Groups) Color Display + Touch Control (Chinese/English) Auto Dark Screen + Auto Lock Screen (180s)
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