

OPERATION MANUAL

PROFESSIONAL DIGITAL AMPLIFIER

LIGHT & POWERFUL



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



ATTENTION!

RISK OF HAZARDOUS ENERGY! SEE OPERATING MANUAL.
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THE AMPLIFIER TO RAIN OR MOISTURE;
DO NOT DISASSEMBLE THE AMPLIFIER.

CE RoHS Made in China



D SERIES AMPLIFIER
Selectable DSP Function

SPECIFICATION

D2-3000 (DSP)	2 Channel Mode			Bridge Mode	
EIAJ Test Standard, 1 kHz, 1% THD	8Ω	4Ω	2Ω	8Ω	4Ω
	2*3000W	2*5000W	2*7140W	10200W	14280W
1/8 Maximum Power Output in 4Ω		1457W,8A		1457W,15.6A	
1/4 Maximum Power Output in 4Ω		2564W,16A		2564W,31.8A	
D2-3500 (DSP)	2 Channel Mode			Bridge Mode	
EIAJ Test Standard, 1 kHz, 1% THD	8Ω	4Ω	2Ω	8Ω	4Ω
	2*3500W	2*6300W	2*7400W	12500W	14800W
1/8 Maximum Power Output in 4Ω		1857W,10A		1857W,19.2A	
1/4 Maximum Power Output in 4Ω		3268W,20A		3268W,38.9A	
D2-4200 (DSP)	2 Channel Mode			Bridge Mode	
EIAJ Test Standard, 1 kHz, 1% THD	8Ω	4Ω	2Ω	8Ω	4Ω
	2*4200W	2*7800W	2*8500W	15600W	17000W
1/8 Maximum Power Output in 4Ω		2228W,12A		2228W,24.6A	
1/4 Maximum Power Output in 4Ω		3920W,23A		3920W,47.1A	
D4-2000 (DSP)	4 Channel Mode			Bridge Mode	
EIAJ Test Standard, 1 kHz, 1% THD	8Ω	4Ω	2Ω	8Ω	4Ω
	4*2000W	4*3400W	4*4760W	2*6800W	2*9520W
1/8 Maximum Power Output in 4Ω		2125W,11.375A		2125W,22.5A	
1/4 Maximum Power Output in 4Ω		3750W,19.5A		3750W,39A	
D4-3000 (DSP)	4 Channel Mode			Bridge Mode	
EIAJ Test Standard, 1 kHz, 1% THD	8Ω	4Ω	2Ω	8Ω	4Ω
	4*3000W	4*5000W	4*6500W	2*10000W	2*13000W
1/8 Maximum Power Output in 4Ω		2857W,14A		2857W,28.2A	
1/4 Maximum Power Output in 4Ω		5000W,23.8A		5000W,45.8A	
D4-1300 (DSP)	4 Channel Mode			Bridge Mode	
EIAJ Test Standard, 1 kHz, 1% THD	8Ω	4Ω	2Ω	8Ω	4Ω
	4*1300W	4*2400W	4*3000W	2*4800W	2*6000W
1/8 Maximum Power Output in 4Ω		1700W,9.1A		1700W,18A	
1/4 Maximum Power Output in 4Ω		3000W,15.6A		3000W,31.2A	

WARNING

- IF THE POWER CORD IS DAMAGED, PLEASE GET A REPLACEMENT FROM THE DISTRIBUTOR. OTHERWISE, CONTINUED USE OF THE EQUIPMENT MAY LEAD TO FIRE OR ELECTRIC SHOCK.
- IF THE DEVICE FALLS FROM A HEIGHT OR THE SHELL IS DAMAGED, PLEASE IMMEDIATELY TURN OFF THE POWER SWITCH AND UNPLUG THE POWER PLUG. AND CONTACT THE AGENT DEALER TO SOLVE THE PROBLEM.
- WHEN ANY ABNORMALITY OCCURS, SUCH AS SMOKE, ODOR, ETC. PLEASE TURN OFF THE POWER SWITCH IMMEDIATELY AND UNPLUG THE POWER PLUG TO CHECK THE PROBLEM. AT THE SAME TIME, PLEASE CONTACT THE DISTRIBUTOR TO CHECK THE REASON FOR THE ABNORMALITY.
- TO PREVENT ELECTRIC SHOCK DO NOT REMOVE TOP OR BOTTOM COVERS.
- THE EQUIPMENT IS ONLY TESTED AND EVALUATED AT THE HIGHEST ALTITUDE OF 2,000 METERS.

All information provided in this manual is accurate at the time of delivery. Due to version change or design change, it cannot be timely notified. The latest information can be obtained of contacting the distributor.

Notice these symbols:



The exclamation point triangle symbol prompts the user for important operation and maintenance instructions

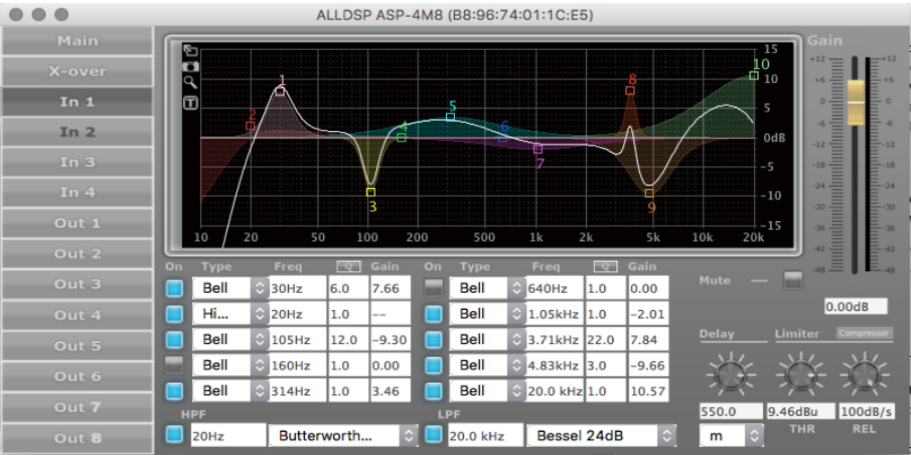


Lightning, or the lightning triangle symbol, warns the user of the risk of electric shocks.

DESIGN CHANGES

WE RESERVE THE RIGHT TO CHANGE THE DESIGN OF ANY PRODUCT FROM TIME TO TIME WITHOUT NOTICE AND WITH NO OBLIGATION TO MAKE CORRESPONDING CHANGES IN PRODUCTS PREVIOUSLY MANUFACTURED.

ALLDSP ALLControl



Our D series DSP amplifier used ALLDSP system from Gemany. It is suit for Windows,Mac and iOS system.

The application for iPad or iPhone can be downloaded and installed from the Apple Store. App name: **ALLControl**, Remind you it is Paid-for Software. The software Password is Develo_p

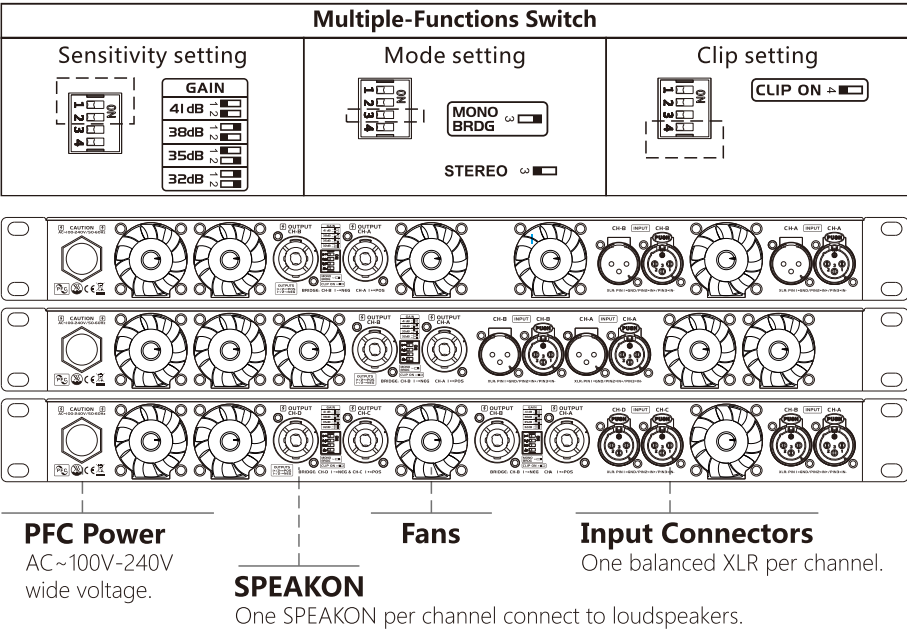
For the Remote Operation Software (Windows and Mac) and Manual, Please check Download link:
<https://www.sinboson.com/oid1739142/Download.htm>

Note that for a Windows computer, there are separate applications for Windows 32 bit and 64 bit.

Attention: You cannot connect the unit to the network through the USB or Ethernet at the same time. You can only control the unit from one platform at the same time – if you switch from one platform to another, you MUST shut down the control software at the previous platform first.

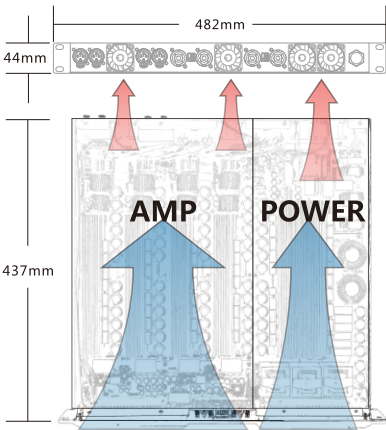
Local connectivity of the device to the control computer from a front-panel USB connector is also possible to download initial settings or as a fallback in case of network failure.

Rear Panel Features



Dimensions and cooling system

NOTE:
The size is 437mm inside of the device(without the cover plate and front panel).
The size is around 472mm of the complete device, but a little bit different size in the different front panel.
Some series with different size that had not shown, please learn it in the parameter.

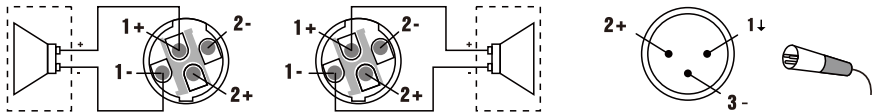


Tunnel through cooling system

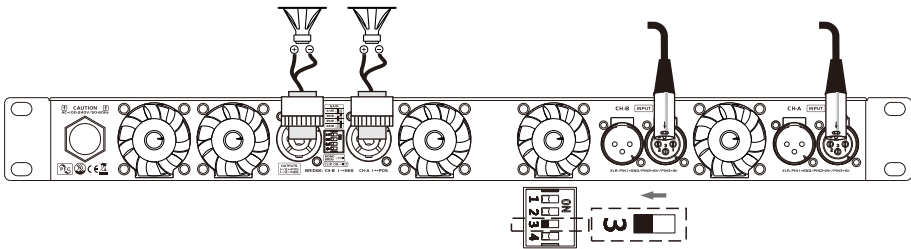
Cold air comes in from the front panel of the equipment, forms a duct through the radiator to take the heat away and out from the rear panel of the equipment.

Application introduction

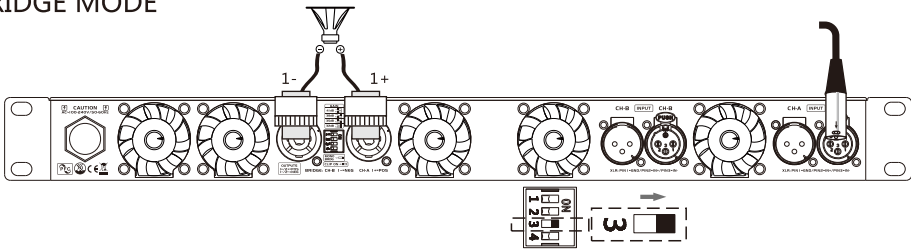
2 channel Series



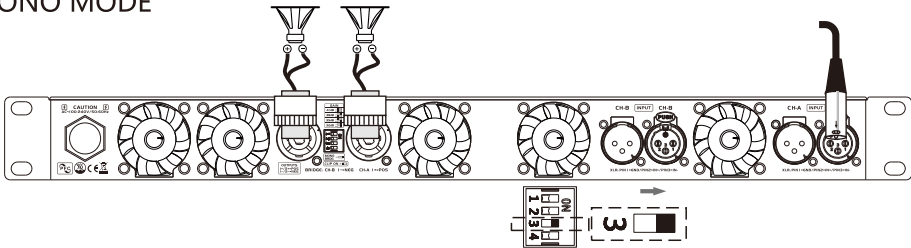
STEREO MODE



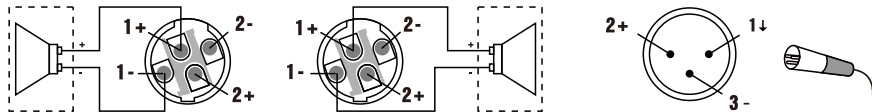
BRIDGE MODE



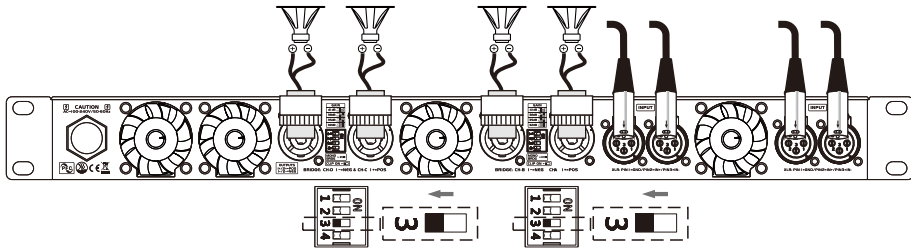
MONO MODE



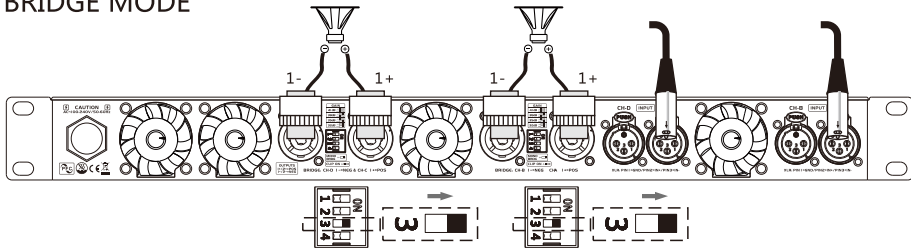
4 channel Series



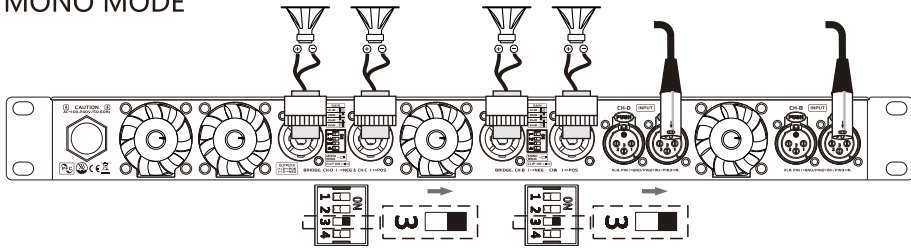
STEREO MODE



BRIDGE MODE

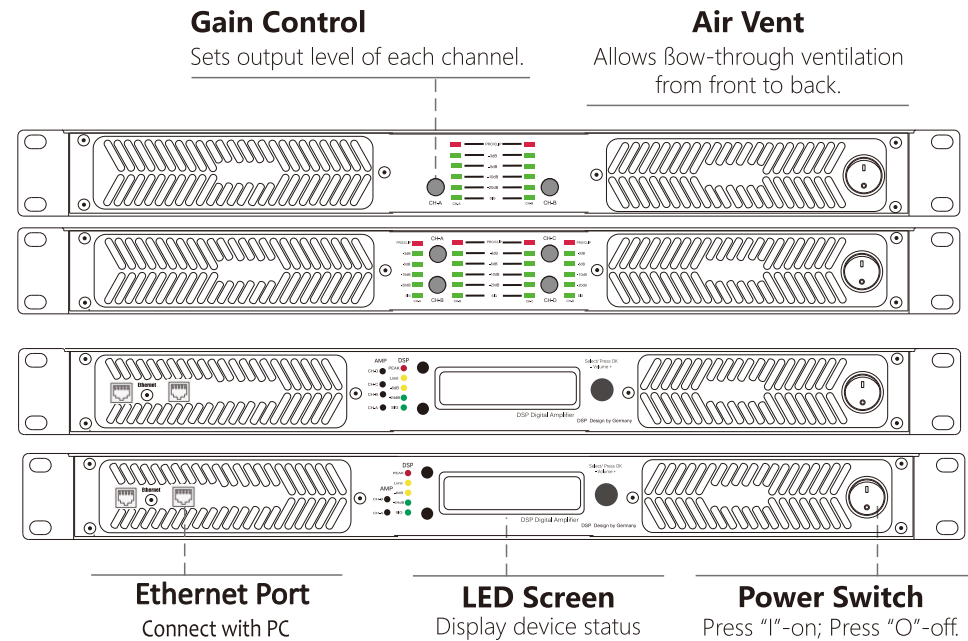


MONO MODE



Front panel Features

Note: For the convenience of introducing the front panel, this schematic diagram is a simplified schematic diagram after removing the exterior decorative panel. Due to the change of version, it may be inconsistent with the real thing, please refer to the product. The vent area and layout of this product have been strictly tested of experiments to meet the cooling needs. Please make sure not to block the vent during use.



Dual Signal LED

The red LED turns on: This channel turn on protective state, stop working. Please wait for around a minute, if the device still stops working, please restart the device.

Green Signal LED

- the output signal of SPEAKON $\geq -3\text{dB}$;
- the output signal of SPEAKON $\geq -5\text{dB}$;
- the output signal of SPEAKON $\geq -10\text{dB}$;
- the output signal of SPEAKON $\geq -20\text{dB}$;
- the input signal of XLR $\geq -40\text{dB}$;

LED Screen

DSP connection status.

Performance Parameter

Alternating Current Power Supply	
Power	PFC Power
Rated power demand	100-240V $\pm 10\%$, 50/60 Hz
Operation voltage	90V-270V
Power correction factor cos (φ)	$>0.95 @ >500 \text{ W}$
Standby	47W and 0.8A
Gain,Sensitivity	32dB,35dB,38dB,41dB
Maximum Output Voltage/Current	185V/85A (370V in the BRIDGE MODE)
Power Comsumption	230V (115V in the BRIDGE MODE)
Temperature	
Environment temperature	0 $^{\circ}$ -45C / 32 $^{\circ}$ -113 $^{\circ}$ F
Cooling system	Tunnel through cooling system
Performance	
Frequency Response	20 Hz - 20 kHz (1 W @ 8 Ω , $\pm 05 \text{ dB}$)
Signal-to-Noise Ratio	$>110 \text{ dBA}$ (20 Hz - 20 kHz, A weighted)
Crosstalk	$>66 \text{ dB @ 1 kHz}$
Input Impedance	10 k Ω balanced
Total Harmonic Distortion(THD)	$<0.5\%$ from 1 W to full power (Typical value $<0.05\%$)
Intermodulation Distortion(IMD)	$<0.5\%$ from 1 W to full power (Typical value $<0.05\%$)
Damping Factor (8 ohms)	$>5000 @ 20\text{-}200 \text{ Hz}$
Slew Rate	50V/ μs @ 8 Ω
Front Panel	
Indicator LED/per channel	One PCS Green LED: the input signal of XLR $\geq -40\text{dB}$; Four pieces Green LED : display the output signal (-20dB ,-10dB,-5dB,-3dB) of SPEAKON 1 piece dual LED (Yellow and Red): Protective state/Clip state/Over heat/Over load
Power Switch	Press "I" -on; Press "O"-off.
Dust-proof	Two pieces dust-proof cotton, it can take off to cle from the bottom of front panel
Application	
Signal in-connection	4 Channel: One balanced XLR(with lock) female per channel; 2 Channel One balanced XLR(with lock) female and one balanced XLR male per channel.
Signal out-connection	One SPEAKON per channel connect to loudspeakers
Power cord	Fiked to the device, and the CSA (cross sectional area)of the cord is 3 x 2.5mm 2 , and the card is 1.5 meters long.
Multiple-Functions Switch	Two Sensitivity Switches. one Mode Switch and one Clip Switch.
Structure(The size and weight depond on different series and shipping demand)	
Dimensions	482 x 44 x 380mm 3 / 482 x 44 x 470 mm 3
Net weight	10Kg / 12kg
Packing size	580 x 580 x 119mm 3 / 615 x 615 x 119mm 3
Shipping weight	12Kg / 14Kg

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions before unpack.

- ◆ Keep these instructions.
- ◆ Heed all warnings.
- ◆ Follow all instructions.
- ◆ Please keep the accessories (such as feet, instructions, desiccant and plastic bags) away from children.
- ◆ The packaging of the equipment is guaranteed of the drop test, ensuring that the original packaging is used in the transportation.

2. The installation operation.

- ◆ Do not use this apparatus near water.
- ◆ Do not block any ventilation openings.
- ◆ Do not install near any heat sources.
- ◆ Do not damage the safety function of the device with the polarity plug or grounding plug.
- ◆ Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- ◆ Unplug this apparatus during lightning storms or when unused for long periods of time.
- ◆ Do not expose this equipment to dripping or splashing and ensure that no object filled with liquids.

3. Use equipment

- ◆ Please make sure to turn the volume control knob to the minimum before turning on the power of the device. Otherwise, sudden bursts of sound may damage your hearing.
- ◆ Please avoid using the equipment on unstable surfaces or bevels.
- ◆ Please avoid using the equipment in the environment with high air humidity or dust accumulation.
- ◆ Please avoid using the equipment in an overheated environment.
- ◆ When connecting to the device, turn off all audio devices and speakers.

WARRANTY

SUMMARY OF WARRANTY

The warranty period provided by our company is two year (The warranty period is calculated from the purchase date of the original purchaser). During the warranty period, you can obtain the free maintenance if the product material and process caused by the problem.

WHAT THE WARRANTOR WILL DO

We will remedy any defect, regardless of the reason for failure (except as excluded), by repair, replacement. Warranty work can only be performed at our authorized service centers or at the factory.

WHAT SITUATION INVALID BY THE WARRANTY SERVICE

- Exceeds warranty period posterior product.
- The warranty does not cover any product which has been damaged because of any intentional misuse, accident, negligence, or loss which is covered under any of your insurance contracts.
- This Warranty also does not extend to the new product if the serial number has been defaced, altered, or removed.
- The equipment has been repaired or modified by people who does not belong to our company.
- The equipment broken in case of force majeure such as earthquake and fire, etc.
- Damage in transit caused by not using the original packaging, such as scratches, deformation or falls.

SUMMARY OF NON-WARRANTY SERVICE

The company provides paid maintenance services for products that have passed the warranty period. We'll show you the test report. And we will not start the repair until we get your approval and receive the cost for replacement parts. If you do not agree to repair, please take back the equipment.

THE COMPANY HAS NO OBLIGATION TO KEEP YOUR EQUIPMENT.
IF THE EQUIPMENT IS NOT TAKEN BACK WITHIN 30 DAYS WITHOUT SPECIAL REASONS, THE COMPANY SHALL HAVE THE RIGHT TO DISPOSE OF IT AT ITS OWN DISCRETION.