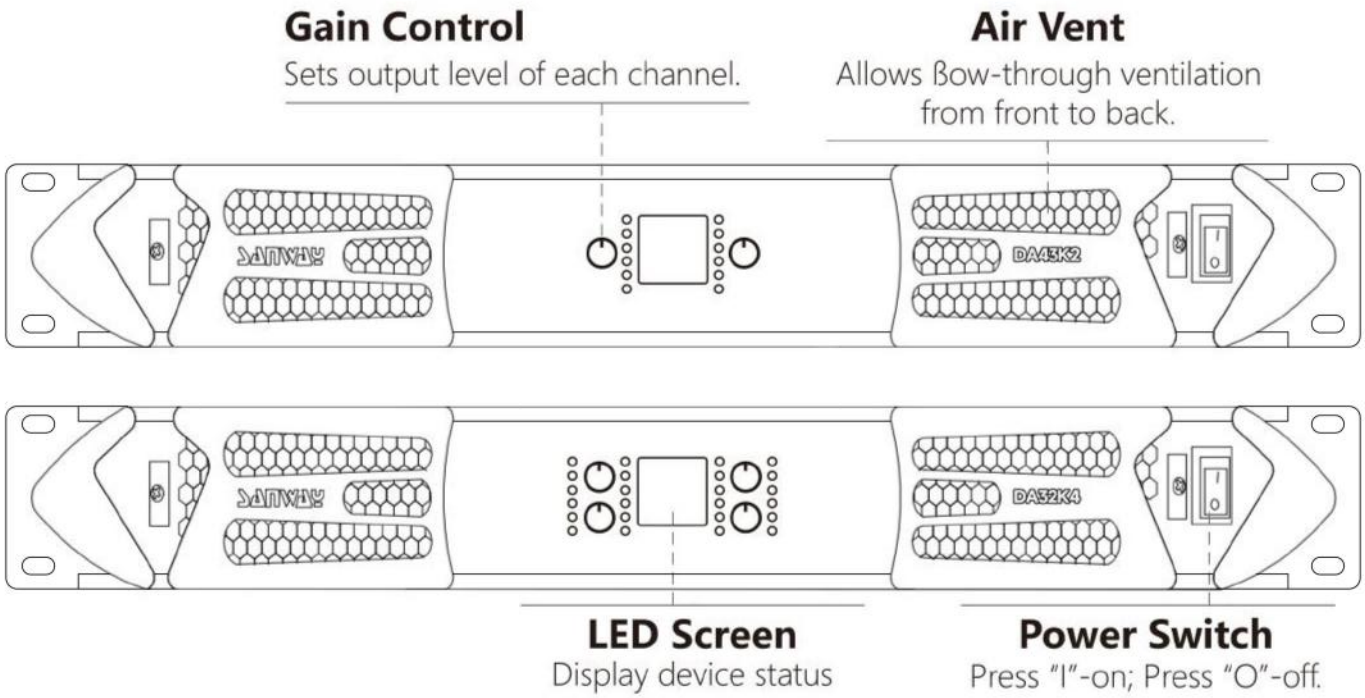
OPERATION MANUAL

1U DIGITAL AMPLIFIER

This manual does not include all of the details of design,
production, or variations of the equipment.
Nor does it cover every possible situation which may arise during installation,
operation or maintenance.

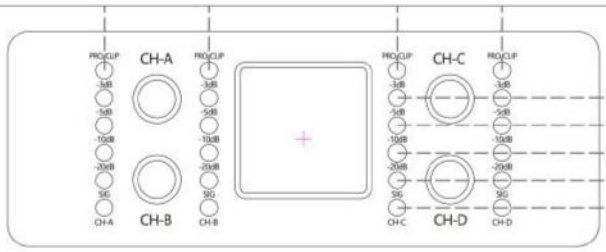
READ THESEINSTRUCTIONS BEFORE UNPACK

Front panel Features



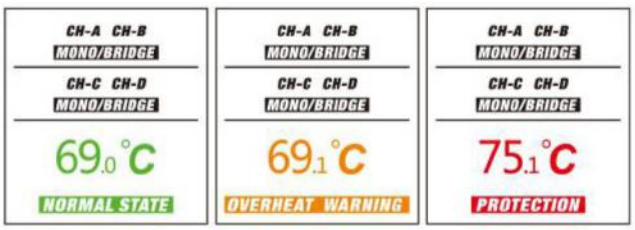
Dual Signal LED

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.
The yellow LED f lashes: This channel signal is audibly distorting. It may damage the tweeter.
The yellow LED turns on:
1.The temperature of the equipment ≥70℃;
2.The signal over load.



Green Signal LED

- the output signal of SPEAKON ≥-3dB;
- the output signal of SPEAKON ≥-5dB;
- the output signal of SPEAKON ≥-10dB;
- the output signal of SPEAKON ≥-20dB;
- the input signal of XLR ≥-40dB;





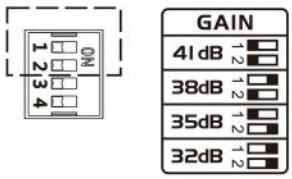
LED Screen

1.Display per channel operation mode: Mono mode, Bridge mode and Stereo mode;
2.Display the temperature of the equipment:
Green : the normal status, and the temperature of the equipment <69℃;
Orange: the warning of overheat, and the temperature of the equipment between 69℃ and 75℃;
Red: the device turns on protective state, and the temperature of the equipment >75℃;

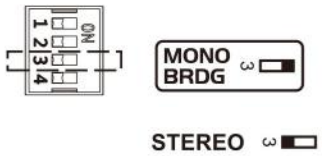
Rear panel Features

Multiple-Functions Switch

Sensitivity setting

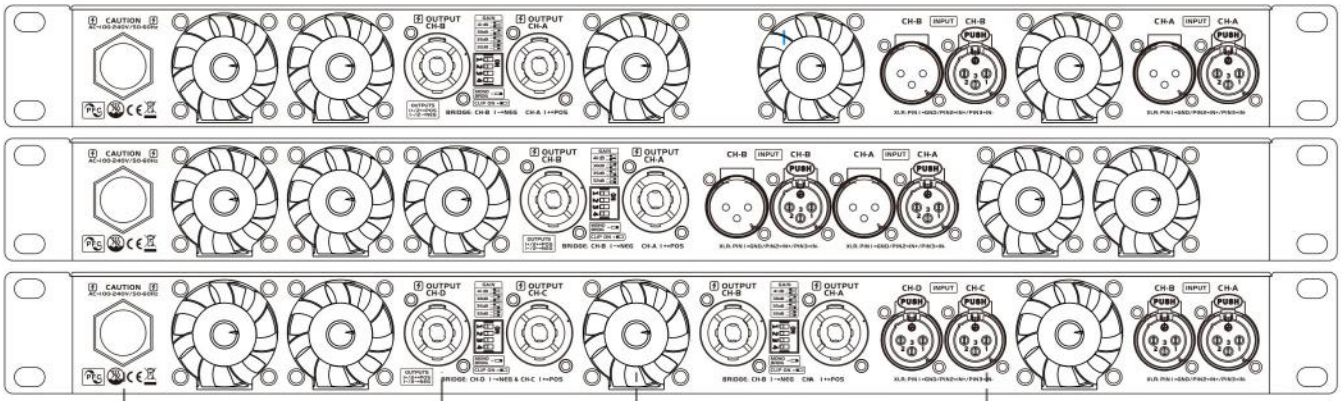


Mode setting



Clip setting





PFC Power
AC~80V-270V
wide voltage.

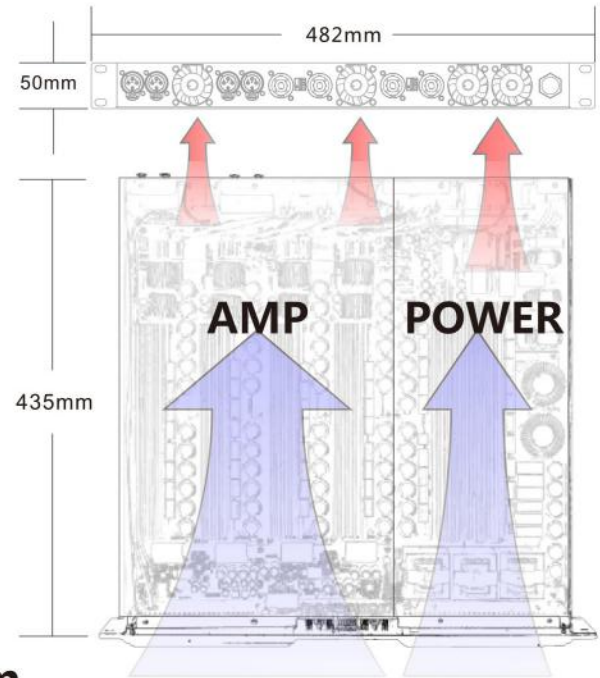
SPEAKON
One SPEAKON per channel connect to loudspeakers.

Fans

Input Connectors
One balanced XLR per channel.

Dimensions and cooling system

NOTE:
The size is 435mm inside of the device(without the cover plate and front panel).
The size is around 490 mm 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.

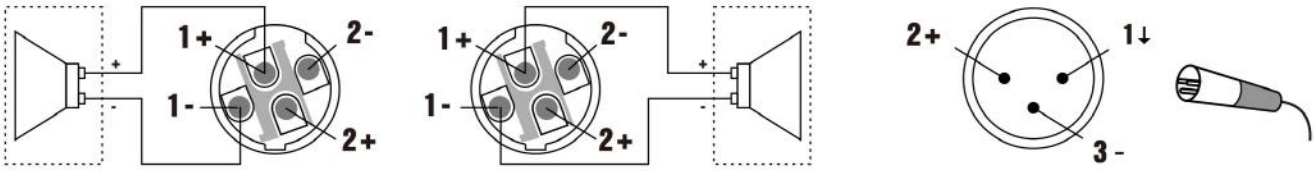


Tunnel through cooling system

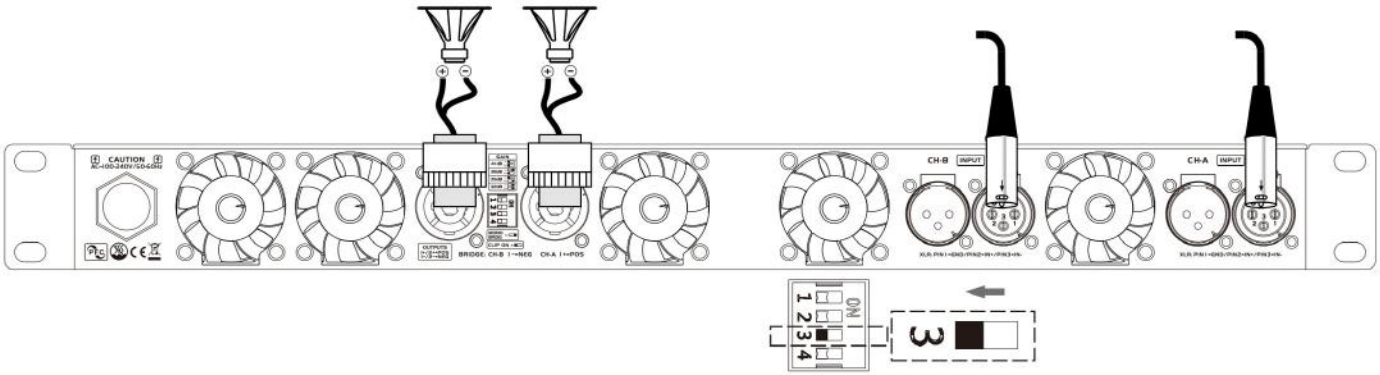
Cold air comes in from the front panel of the equipment, forms a duct through the radiator to take the heat away and out from the rear panel of the equipment.

Application introduction

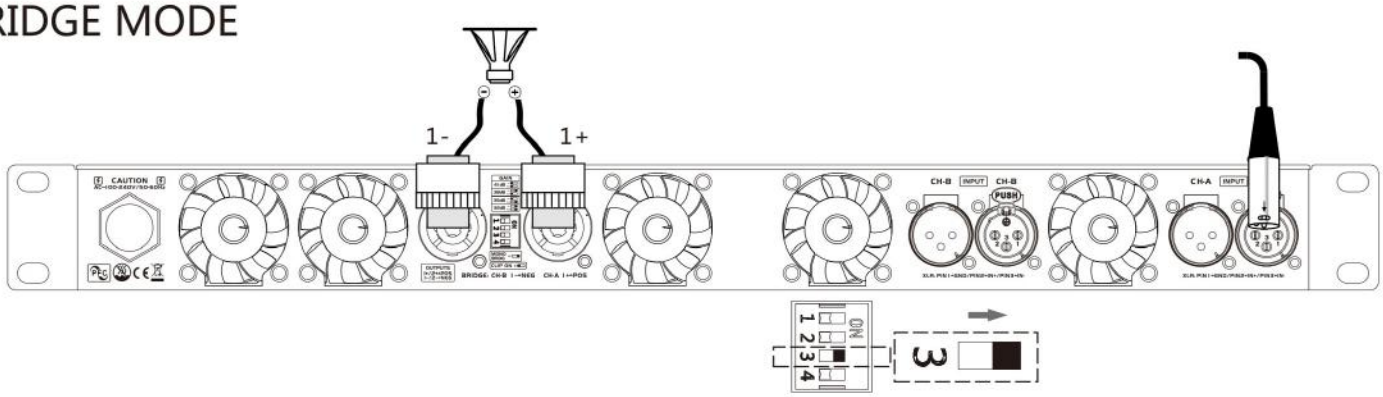
DA43K2



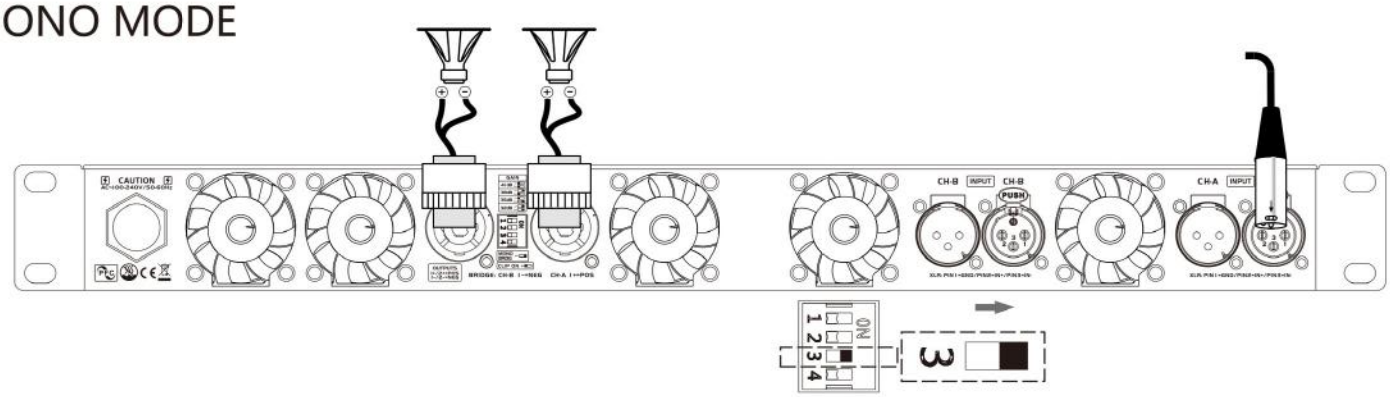
STEREO MODE



BRIDGE MODE

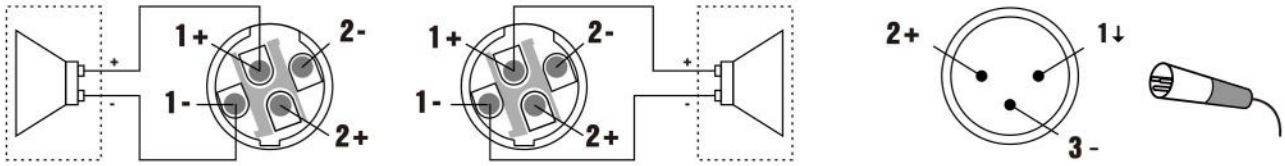


MONO MODE

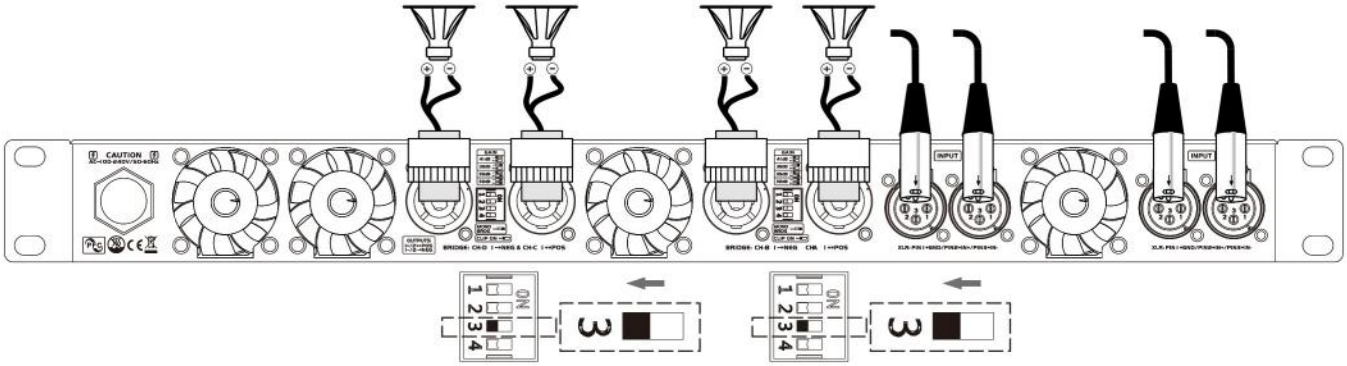


Application introduction

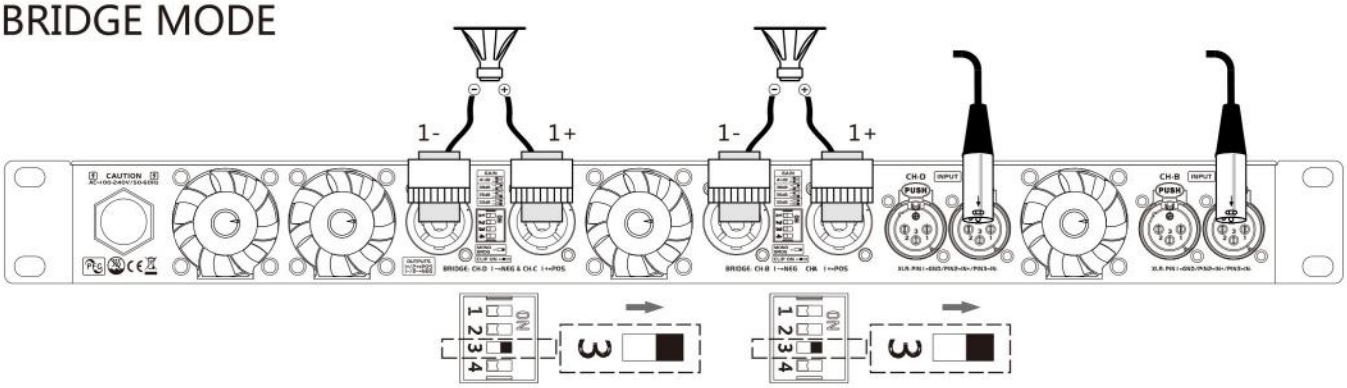
DA32K4



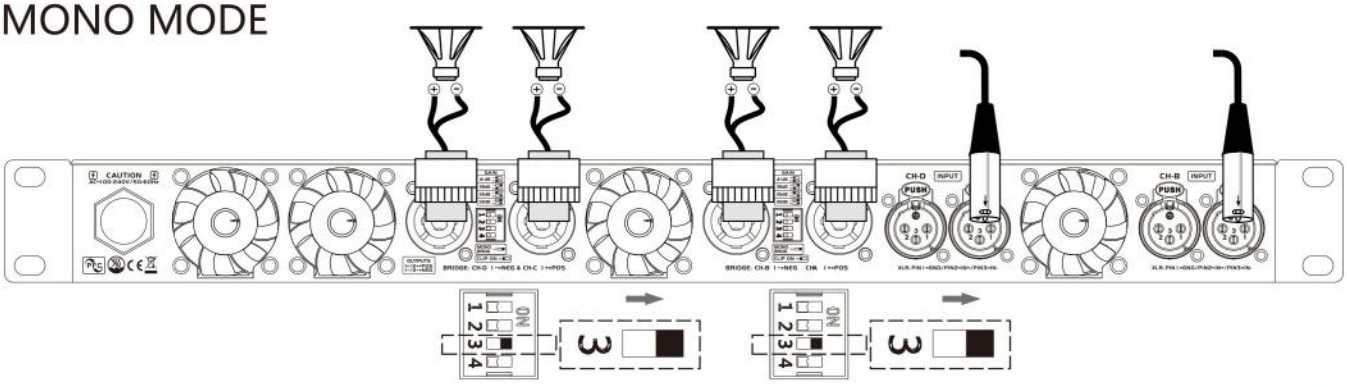
STEREO MODE



BRIDGE MODE



MONO MODE



Performance parameter

Alternating Current Power Supply	
Power	PFC Power
Rated power demand	80-270 V ±10%, 50/60 Hz
Operation voltage	80V-270V
Power correction factor cos (φ)	>0.95 @ >500 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°- 45C / 32°-113°F
Cooling system	Tunnel through cooling system
Performance	
Frequency Response	20 Hz - 20 kHz (1 W @ 8 Ω, ±0.5 dB)
Signal-to-Noise Ratio	>110 dBA (20 Hz - 20 kHz, A weighted)
Crosstalk	> 66 dB @ 1 kHz
Input Impedance	10 kΩ 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 @ 20-200 Hz
Slew Rate	50 V/μs @ 8 Ω
Front Panel	
Indicator LED/per channel	One PCS Green LED: the input signal of XLR ≥-40dB; 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
LED Screen	1.Display per channel operation mode: Mono mode, Bridge mode and Stereo mode; Display the temperature of the equipment: the device turns on protective state, and the temperature of the equipment >75℃;
Power Switch	Press "I" -on; Press "O" -off.
Dust-proof	Two pieces dust-proof cotton, it can take off to clearn from the bottom of front pannel
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	Fixed to the device, and the CSA(cross sectional area) of the cord is 3 x 2.5mm^2, and the cord 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	490X50X482 mm
Net weight	11.95KG/12.25Kg
Packing size	610X560X103mm
Shipping weight	15.7Kg

Power parameter 2-4CHANNEL

ITEM	DA43K2	DA32K4
8Ω Stereo Power(RMS)	4300W x2	3200W x4
4Ω Stereo Power(RMS)	7900W x2	5200W x4
2Ω Stereo Power(RMS)	8600W x2	6700W x4
8Ω Bridged Power(RMS)	15700W	10200W x2
4Ω Bridged Power(RMS)	17100W	13200W x2

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.