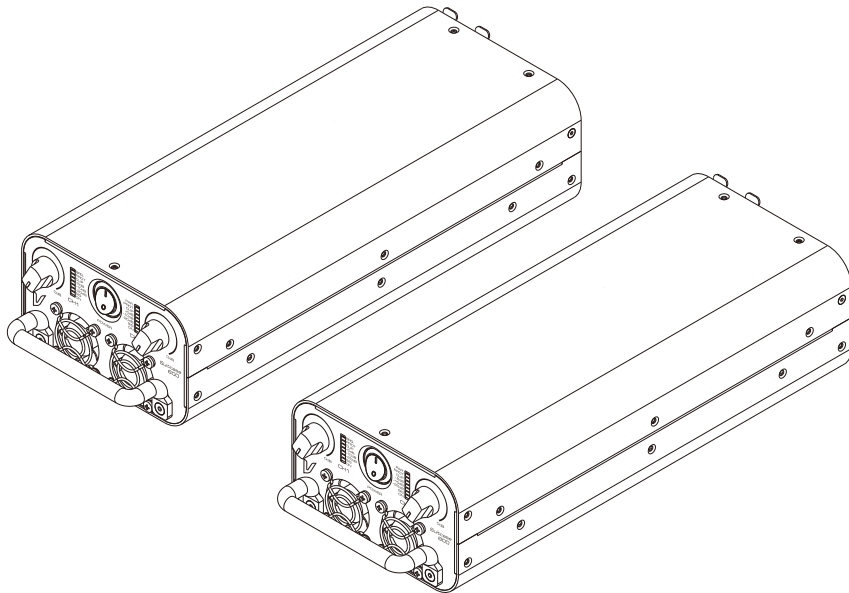


SUITCASE

User's manual



Output power

Model	8Ω	4Ω	8Ω BRG
Suitcase600	600Wx2	1000Wx2	2000W
Suitcase800	800Wx2	1400Wx2	2800W

目录表

重要安全事项和符号说明.....	1
电源配线.....	1
产品功能介绍.....	2
技术指标.....	3

Table of Contents

Important safety instruction and symbol description.....	4
Wiring and AC power supply.....	4
Product introduction	5
Specifications.....	6

Wiring and AC power supply

The Standard Voltage : 220/230V/240V


Model	Dissipation Power	Cable size
Suitcase600	1200W	≥1.5mm ²
Suitcase800	1800W	≥1.5mm ²

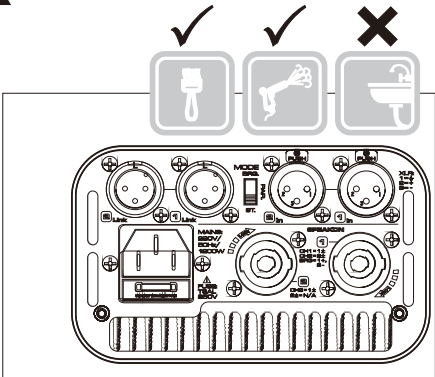
 **You should connect Ground for safety use.**

If you don't have qualified Ground connection or not use the Ground, you may have a electricity shock.To avoid such thing happen, please connect Ground when you use.

Cleaning guide of the dust filter


- The first time cleaning of the strainer mesh should be right after installation.Recommend to clean the strainer mesh quarterly.
- Please do not run the product without the dust filter, or it makes the service life of the product shorten.

 **Such condition will be considered as no warranty.**












Important Safety Instruction and symbol description

- 1.Clean with soft cloth, or blow with hyperbaric air.
- 2.Warning:Avoid the formation of hot air circulation. Installation as suggested way.
- 3.Do not install near heat, make sure the application temperature is below 35°C.
- 4.Ensure that the grounding is valid, floating ground is not recommended.
- 5.Protect the wire from being trampled or extruded, especially the plug, socket and the connector of it.
- 6.Make sure the startup and turnoff procedure: Pre-amp - Amplifier (Power on) Power amplifier (off)-Pre-amp.
- 7.Power supply voltage must be in accord with the requirement of the equipment before use it.
- 8.Signal distributor is advised to be used when the input signal paralleled with more than 3 amplifiers, to ensure the input signal without distortion.
- 9.Don't connect the output interface of one channel to the input interface of another channel in the power amplifier. Don't connect one power amplifier to another one by connecting their output in series or parallel connection.
- 10.When equip the audio equipments, the power of the power amplifier should be 50%-100% more than the loudspeaker power. Be careful when in bridged mode.
- 11.When maintenance, don't connect the probe of the oscilloscope to the output interface under bridge mode in case of damaging the power amplifier and the oscilloscope.
- 12.Suggestions:
 - 1) Good quality NL4 Speakers screw plug is advised.
 - 2) Power distribution system should ensure the safety of applications of more than one amplifier.

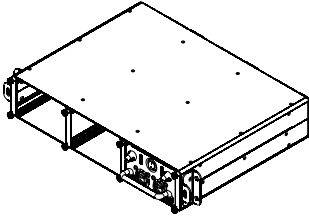
 The exclamation point triangle is used to alert the user to important operating or maintenance instructions.

Safety instructions

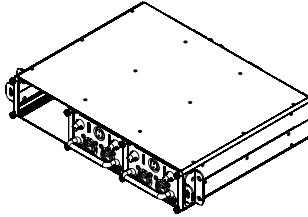
	When stacking non-horizontally, the air outlet should be upward or be straight to the vent.		This product is suitable for safe use below altitudes 2000m.(Only for our company Switching Mode Power Supply equipments)
	Input/output connection cables can not be stacked on the air outlet of the product. They should be tied up on both sides of the amplifier.		This product is suitable for safe use of non tropical climate conditions.
	The ambient temperature should be lower than 35°C while running the amplifier		The materials which need to be technically recycled and can not be placed in the trash can.
	Please verify the temperature in the cabinet when the project is debugged, and should be kept below 35°C even though in the extreme conditions.		The lightning bolt triangle is used to alert the user To the risk of electric shock. Non-professional Qualified technicians do not open top or bottom covers for maintenance

 **WARNING:** To reduce the risk of fire or electric Shock, do not expose this apparatus To rain or moisture.

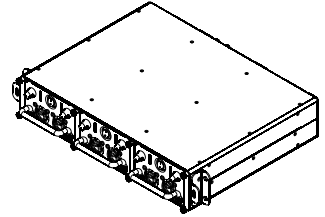
Used in group



Installed in a 19 inch rack with one suitcase



Installed in a 19 inch rack with two suitcase

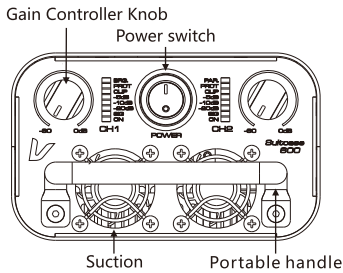


Installed in a 19 inch rack with three suitcase

- Suitcase600/800 could be installed mixedly with different quantity in a 19 inch rack(Standard rack is the optional accessories), so that they could become different powers multi-channel amplifiers.
- With 19 inch rack, suitcase have diversified power output(Up to 84 combinations).
A sample of Suitcase series module combination.

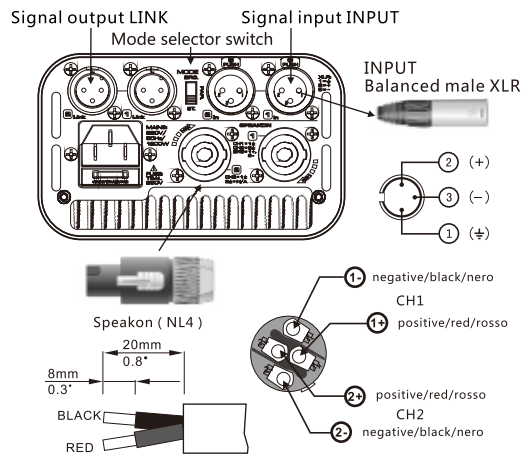
Module combination	Output power combination		
Suitcase600x3	2x600W(ST.)	+	2x600W(ST.) + 2x600W(ST.)
Suitcase800x3	2800W(BRG)	+	2800W(BRG) + 2800W(BRG)
Suitcase600x1+800x2	2x600W(ST.)	+	2800W(BRG) + 2800W(BRG)
Suitcase600x2+800x1	2x600W(ST.)	+	2x600W(ST.) + 2800W(BRG)

Front Panel



- BRG. → The current mode is bridge.
 PAR. → The current mode is parallel.
 PROT → Protection circuit action.
 CLIP → Compressor / limiter is protecting the amplifier from input overload.
 -5dB → Output signal around -5dB than full power.
 -10dB → Output signal around -10dB than full power.
 -20dB → Output signal around -20dB than full power.
 SIG → The signal light
 ON → Illuminates when the amplifier start.
 CH1-CH2 → Gain Controller Knob 300° volume knob from 0 to -80dB. Stereo/Parallel Mode: volumes of CH1 and CH2 control independently. Bridge Mode: CH1 knob controls both volumes. CH1 stops working. For normal operation, please keep the controller at max (0 db).

Rear Panel



We don't suggest you use the amplifier under 4ohm bridge mode for a long time, it will short its normal use life or have some unnecessary failure.



The quality of your soldering is very important. Virtual welding or soldering errors, would be likely to affect the normal use or even failure.



It can work from 4-16ohm in stereo or parallel mode. It can work good from 8ohm to 16ohm in bridge mode.

Suitcase Series Power Amplifier

Specifications

Model	Suitcase600	Suitcase800
Output power		
8Ω stereo *	600Wx2	800Wx2
4Ω stereo **	1000Wx2	1400Wx2
8Ω bridge **	2000W	2800W

Other Specifications

Frequency response	20Hz-20KHz(±1dB)	
THD+N	<0.12%	
S/N rate	≥98dB	
Input sensitivity	1.0V	
Input impedance(bal/unbal)	20kΩ/10kΩ	
Voltage gain (8 ohm)	37dB	38dB
Output circuitry	Class D	
Cooling	Air flow from front to rear	
Protection	Soft start, VHF, DC, short circuit, over load, clip limit, over heat, progressive volume	

Connection

Input	Balance input XLR-F, Balance output XLR-M
Output	NL4 SPEAKON

Function

Front panel	Front panel indicator: Working indicator, Signal/Clip/Protection/Power on/-5db/-10db/-20db / volume control knob
Rear panel	Stereo/parallel/bridge selection switch

Dimensions/Weight

Product Dimension(mm)	384x140x85	384x140x85
Packaging Dimension(mm)	455x255x175	455x255x175
G.W.	3.5kg	3.6kg
Power Supply	10A Power Cord	

Remark : 1、 The power is tested under EIA standard.
2、 *,The power is tested under the condition of 40ms burst,1kHz sine wave and 1% THD

Verity Audio reserves the right to make any changes to the product specifications without prior notice.
Final specifications to be found in the user manual.



Verity audio reserves the right to make any changes to the product specifications without prior notice.
Final specifications to be found in the user manual.