



AERONS (INDIA)

CLASS H+

NRG8200Q

PROFESSIONAL 4-CH DJ AMPLIFIER



STRONG . STABLE . ENERGY

www.aeronsindia.com

Important Safety Precautions & Explanation of Symbols

- 1- Read these instructions.
- 2- Keep these instructions.
- 3- Heed all warnings.
- 4- Follow all instructions.
- 5- **WARNING:** To prevent fire or electric shock, do not expose this equipment to rain or moisture. Do not use this apparatus near water.
- 6- Clean only with a dry cloth.
- 7- Do not block any ventilation openings.
- 8- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a grounding prong. The wide blade or third prong are provided for your safety. If the provided plug does not fit your outlet, consult an electrician for the replacement of the obsolete outlet.
- 10- Protect the power cord from being walked on or pinched, particularly plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11- Unplug the apparatus during lightning storms or when unused for long periods of time.
- 12- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this manual.



The lightning flashes printed next to the OUTPUT terminals of the amplifier are intended to alert the user to the risk of hazardous energy. Output connectors that could pose a risk are marked with the lightning flash. Do not touch output terminals while amplifier power is on. Make all connections with amplifier turned off.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous" voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



WARNING: To prevent fire or electric shock, do not expose this equipment to rain or moisture.

PREFACE

Thank you for purchasing our professional audio equipment. Please read the manual carefully before using the product. It will provide you with the correct guidance and help ensure the equipment operates normally and has an extended lifespan. All our products come with a one-year quality warranty. If any product is found to have a quality defect within one year, we will be responsible for repairing or replacing it.

We are committed to developing our professional audio equipment with advanced technology, high performance, and competitive pricing. We offer a range of models to meet various needs, from high-end to budget options, suitable for different occasions. During our research and development process, we strive to infuse cutting-edge technology into every product to ensure high quality.

We adhere to the ISO Quality Guarantee System to ensure each product meets strict professional standards and receives excellent after-sales service. Our goal is to ensure that our customers truly benefit from our high-tech, high-performance, and competitively priced products, as well as our reliable after-sales services and technical support. We are dedicated to rewarding our customers for their support by ensuring they feel confident and satisfied with their purchase of our professional audio equipment.

LIST OF CONTENTS

- 1. Installation Instructions 1
- 2. Front Panel Controls & Features..... 2
- 3. Rear Panel 3
- 5. Mode Selection 4-5
- 7. Rack Mounting 5
- 8. Technical Specifications 6

INSTALLATION INSTRUCTIONS

This manual contains essential information for the proper and safe operation of your AERONS amplifier. Please read it thoroughly before using your amplifier. If you have any questions, please contact your AERONS dealer.

Unpacking Instructions

Carefully open the shipping carton and inspect the contents for any signs of damage. Each AERONS NRG8200Q amplifier is rigorously tested and inspected before leaving the factory to ensure it arrives in perfect condition. If you find any damage, please notify the shipping company immediately. Retain the carton and all packing materials for the shipping company's inspection.

Package Contents

Owner's manual
NRG8200Q amplifier
AC power cord

Rack Mounting Guidelines

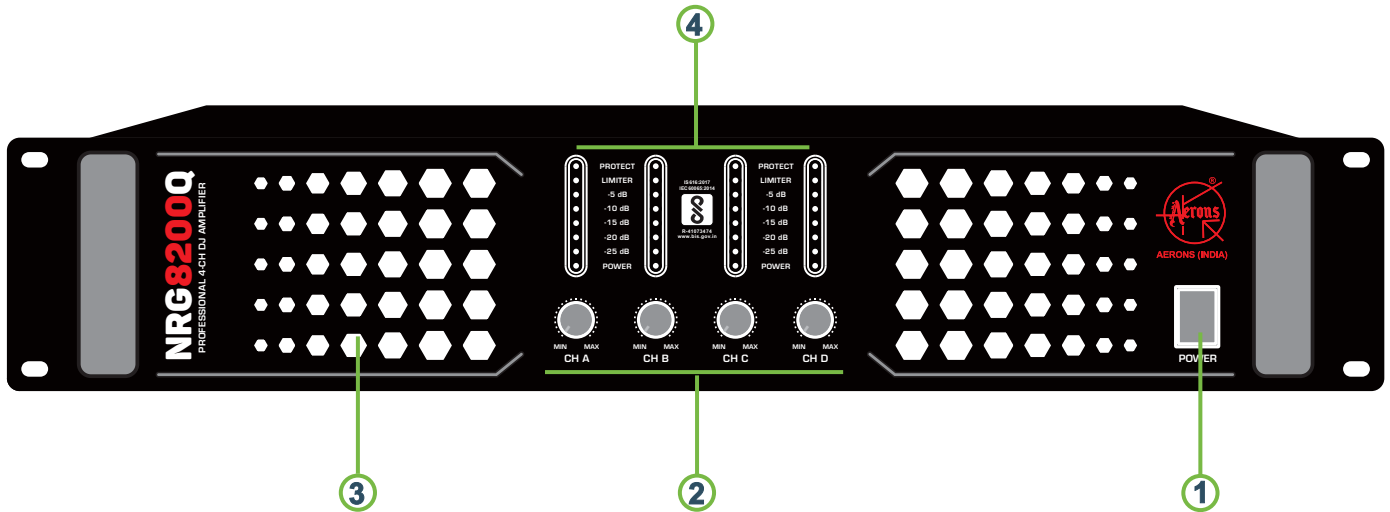
The NRG8200Q amplifier is engineered for standard 19" rack mounting as well as "stack" mounting without a cabinet. Use four screws and washers to secure the amplifier to the front rack rails. For enhanced stability, especially in mobile setups where the amplifiers are subjected to vibrations, it is recommended to provide additional support at the rear.

Cooling Requirements

Proper ventilation is crucial for optimal performance and longevity of the amplifier. Ensure that the air vents at the back and front of the amplifier remain unobstructed. Avoid installing the amplifier in locations exposed to direct sunlight or near heat-generating appliances such as radiators. Excessive heat can damage the cabinet and internal components. Installing the amplifier in damp or dusty environments may lead to malfunctions or accidents. If the amplifier is installed in a rack, ensure the rear door is fully open to facilitate airflow. Regularly remove internal dust using compressed air through the external ventilation holes to maintain efficient cooling.

By following these guidelines, you can ensure the reliable operation and extended lifespan of your AERONS amplifier.

FRONT PANEL - CONTROLS AND FUNCTIONS



1. Power Button

Use this button to turn the unit on or off.

2. Volume Knob

Adjust the volume level from -80dB to 0dB.

3. Air Inlet

This serves as the cooling fan's air intake.
Ensure the air inlet is not obstructed.

4. LED Indicators

When the system is powered on, the following LED lights provide status information:

1. Protect Indicator

Four red LEDs (one for each channel) light up when there is a fault in the cooling system or in the event of a short circuit.

2. Clip Indicator

Four yellow LEDs (one for each channel) illuminate when the output is overdriven.

3. Input Level Indicator

This input signal level indicator lights up when the signal reaches 0dB, indicating full power utilization.

4. Power Indicator

Four White LEDs (one for each channel) light up when the power is on.

Warning

To avoid excessive noise when turning on the system, ensure the following sequence is followed:

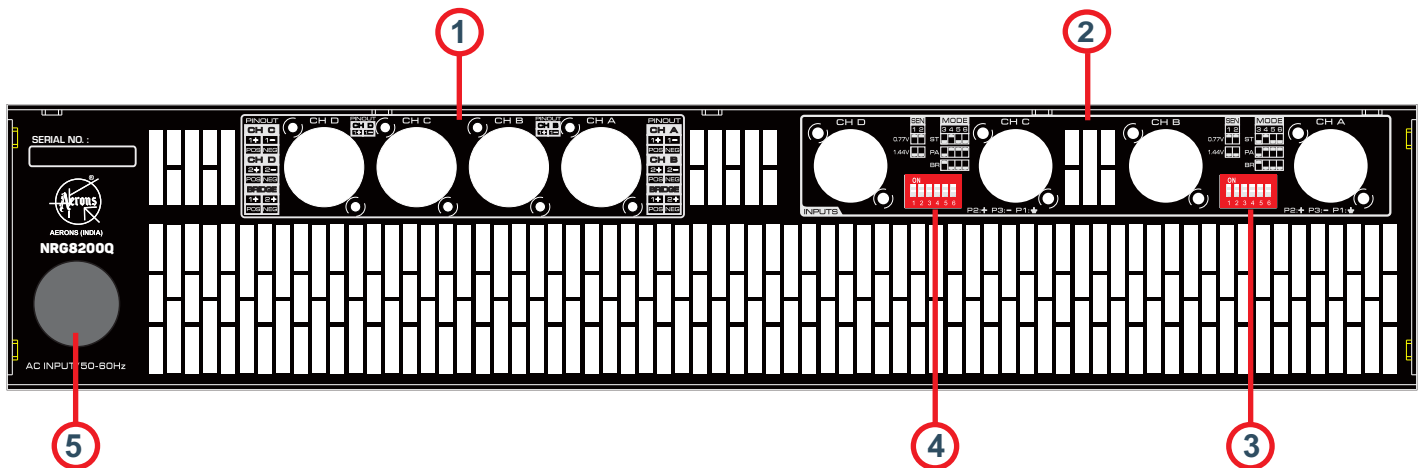
- First, power on the source device.
- Then, power on the mixer and processor.
- Finally, turn on the amplifier.

To power off, reverse this order.

Notice

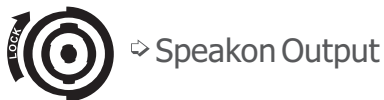
After extended use, when the amplifier is powered off, the CLIP indicator may briefly light up. This is normal due to the discharge of the electrolytic capacitor. Allow the system a few seconds to fully power down. Under no circumstances should the machine be opened during this process. Always cover and protect the internal components to avoid potential hazards.

REAR PANELS



1. Audio Output 1/2 Interface

SpeakOn speaker output connector are available for Channel 1 to 4



Notice

Do not touch the ports or the exposed metal part of any wire connected to the ports. If multiple interfaces on the same channel are connected to speakers, ensure all connections are secure. Be cautious not to connect speakers with too low impedance, as this could cause damage. Handle the ports with care to avoid accidental contact.

2. Audio Input 1/2 Interface

XLR 3-pin audio input interface for channels 1 and 2.

3. Working Mode & Input Sensitivity (CH A/B)

Select between Stereo, Bridge, or Parallel modes and input sensitivity 0.77V or 1.44V for CH A and Ch B.

4. Working Mode & Input Sensitivity (CH C/D)

Select between Stereo, Bridge, or Parallel modes and input sensitivity 0.77V or 1.44V for CH A and Ch B.

5. AC IN Connector

Power input for operation at 220V and 50Hz. Power Wire 220V, 50Hz power cable connection.

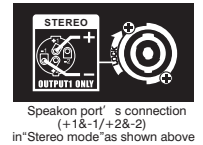
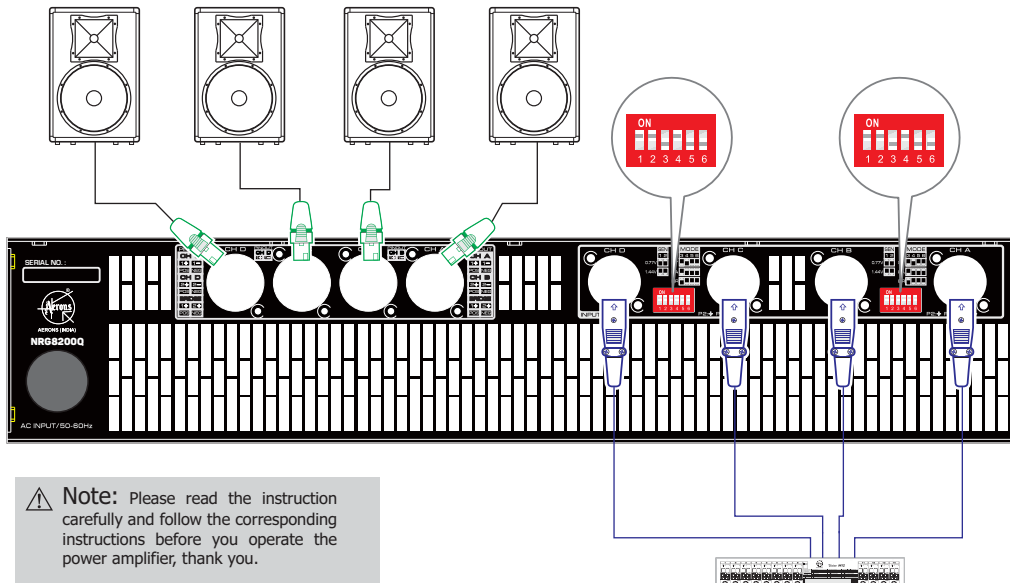
MODE SELECTION

STEREO MODE

To switch your amplifier to stereo mode:

1. Turn off the amplifier.
2. Slide the Buttons up and down position as per shown below to make it STEREO MODE.
3. Properly connect the input/output wiring as shown in the amplifier's manual for stereo mode.

This ensures proper setup and optimal performance in stereo mode.



PARALLEL MODE

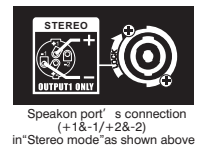
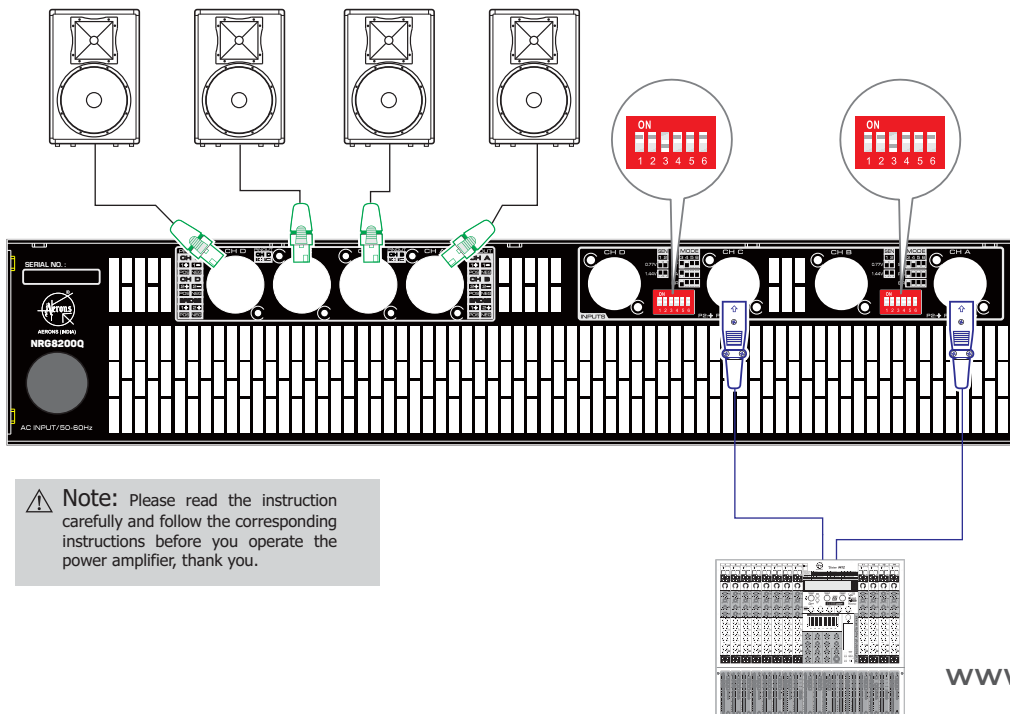
To switch your amplifier to parallel-mono mode:

1. Turn Off the Amplifier.
2. Slide the Buttons up and down position as per shown below to make it PARALLEL MODE..
3. Connect Input/Output Wiring:

Input: Connect the input signal to Either CH A or CH C connector.

Output: Connect the output as shown in the amplifier's manual for parallel-mono mode.

Note: Do not use the "PARALLEL " mode when feeding the amp four separate signals.



MODE SELECTION

BRIDGE MODE

To switch your amplifier to Bridge mode:

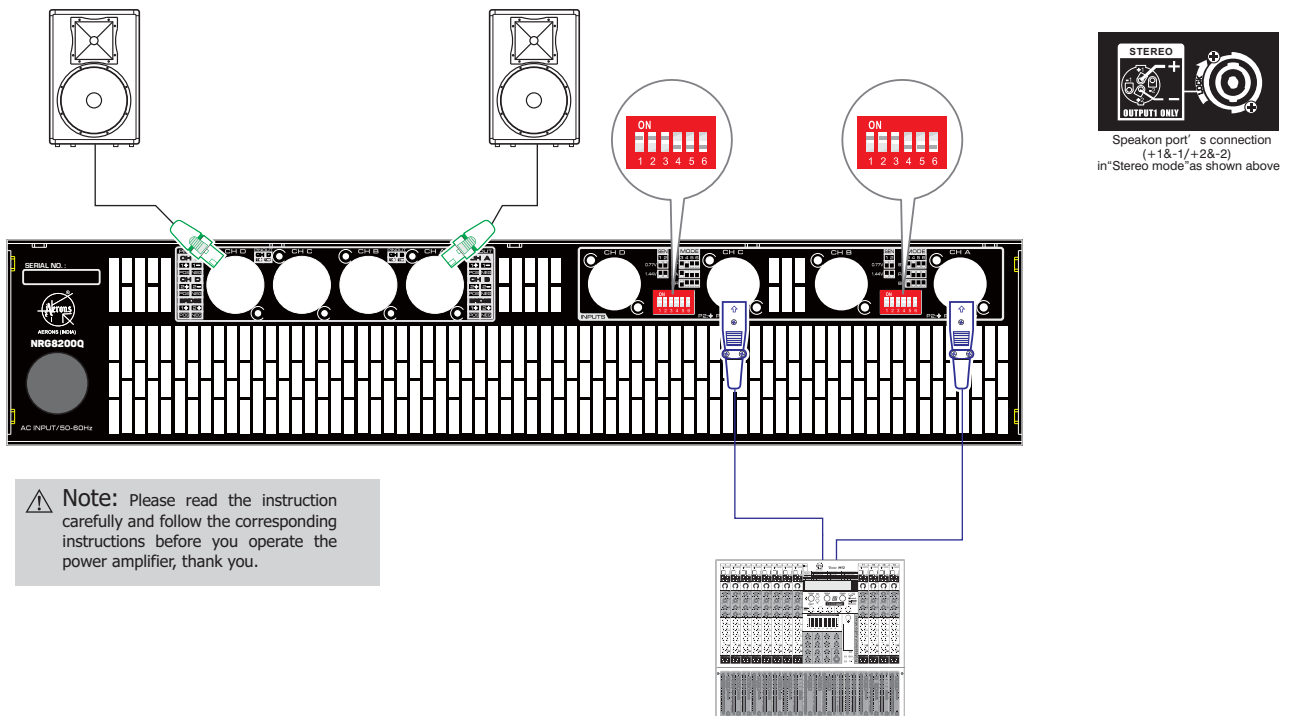
1. Turn Off the Amplifier.
2. Slide the Buttons up and down position as per shown below to make it Bridge mode.
3. Connect Input/Output Wiring:

Input: Connect the input signal to Either CH A (CH A and CH B bridge), or CH C (CH C and CH D bridge).

Output: Connect the output as shown in the amplifier's manual for Bridge mode.

CH A +1 = Positive, +2 = Negative, CH D +1 = Positive, +2 = Negative

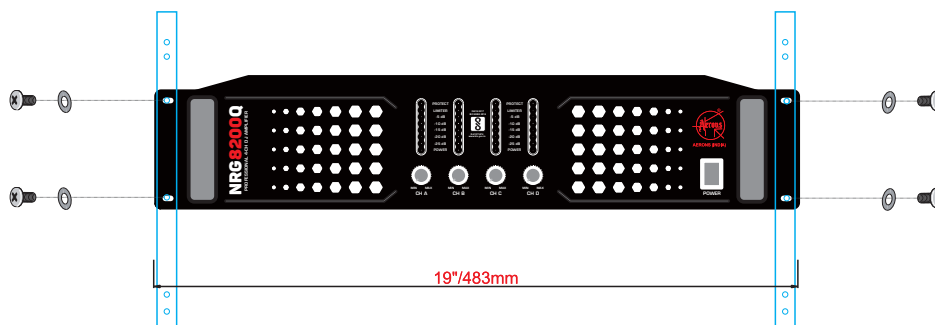
Note: This mode produces a large amount of power. Ensure that your wiring and speaker can handle the increased power output.



RACK MOUNTING

Use four screws and washers to securely mount the amplifier to equipment rack rails. For non-rack applications, affix the self-adhesive rubber feet to the bottom.

For portable or mobile setups, especially where the rack assembly may move, support the rear of the amplifier for stability. Optional rack handles provide convenient finger grips at each end, facilitating easier lifting and installation into the rack.



TECHNICAL SPECIFICATIONS

Power Rating	8Ω Stereo Power :	4 x 1100W
	4Ω Stereo Power :	4 x 1750W
	8Ω Bridge Power	2 x 3000W
Technical Parameters	Frequency Response (1w@8Ω) :	20Hz-20kHz (+/-0.5dB)
	Output Circuitry:	CLASS H+
	THD+N (20Hz-20kHz for 1W):	≤0.05%
	S/N Ratio:	≥105dB
	Damping factor :	≥500
	Slew Rate :	60v/μs
	Crosstalk :	≥65dB
	Capacitors:	80v/ 12000mfd x 16 pcs
Input/Output Section	Input Sensitivity :	0.77v or 1.44v
	Input Impedance :	≥20 kΩ Balanced
		≥10 kΩ Unbalanced
	Rear Panel Controls :	Sensitivity, mode
	Output Connectors:	4 x NL4 , SpeakOn
Safety	Protections :	DC Protection Short Circuit Protection Smart Overheat Management Overheat Protection Input Output Overload Protection Soft Startup Protection Limiter Protection
Cooling	Cooling Fans:	4 High Speed Fans
	Ventilation :	Front to Back Ventilation
Power Section	Power Requirements:	25A/230V
	Peak output Voltage :	128V
	Working Voltage :	AC 200V-245V
Size and Weight	Dimensions :	483 x 475 x 88
	Net Weight :	22.85 Kgs
	Gross Weight :	25.35 Kgs



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