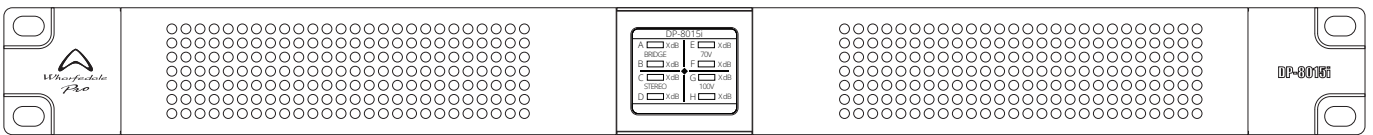




# DP-8015i

## Multi-channel Amplifier



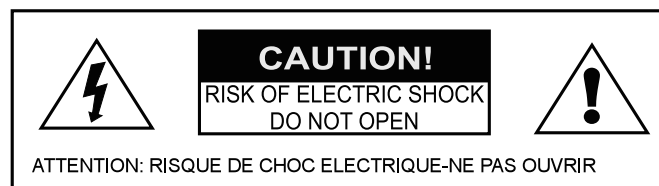




# IMPORTANT WARNINGS & SAFETY INSTRUCTIONS

1. Read these instructions
2. Follow all instructions
3. Keep these instructions
4. Heed all warnings
5. Do not use this apparatus near water
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
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 a polarised or grounding plug. A polarised plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding blade. The wide blade or the third blade is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at the plug, receptacle and or the point where it exits from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Only use a stand, tripod, bracket or rack specified by the manufacturer, or sold with the apparatus. When a rack is used, use caution when moving the rack and apparatus combination to avoid tip-over or injury.



13. Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way including but not limited to power supply cord or plug damage, liquid ingress, foreign objects in the chassis, exposure to rain/ moisture or impact damage. In addition the unit must be serviced when you experience any abnormal operation.
15. CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not attempt to perform any servicing other than that contained in the operating instructions unless you are qualified to do so. In addition opening the casing will result in your warranty becoming null and void.
16. Do not install this apparatus in a confined space such as a book case or similar unit. Good ventilation should be maintained around the apparatus. Any vents, air-inlets or fans should not be obstructed by objects such as paper, table-cloths, curtains etc.
17. WARNING: To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture. The apparatus should not be exposed to dripping or splashing and objects filled with liquids, such as vases, should not be placed on the apparatus.
18. WARNING: The mains plug/appliance coupler is used as a disconnect device, the disconnect device shall remain readily operable.



19. The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
  - Warning: To reduce the risk of electric shock, do not remove the cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
  - The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.
20.  (Protective earthing terminal) The apparatus should be connected to a mains socket outlet with a protective earthing connection.
21.  Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use local return and collection systems or contact the retailer where the product was purchased. They can take this product for safe environmentally friendly recycling.

# About Your DP-8015i Multi-Channel Amplifier

With the DNA from our DP series, the new DP-8015i has the dedicated hardware features for installation.

Joining the established DP-4035i in the series, the new DP-8015i delivers 8 x 150 W across low-impedance (2-8  $\Omega$ ) and highimpedance (70 V/100 V) systems, and also supports Bridge mode for up to 4 x 300 W at 4-16  $\Omega$ , making it incredibly adaptable to a wide range of applications.

The 1.8-inch colour display on the front panel allows for quick editing and monitoring, while LEDs indicate signal, clipping, and protection statuses. A key feature is its removable front grille, which provides easy access for maintenance while ensuring a sleek, professional appearance.

The DP-8015i is equipped with GPIO functionality, enabling remote ON/OFF control and linking capabilities. This ensures seamless integration into complex systems and allows enhanced automation and system-wide management. With Phoenix connectors for inputs, outputs, and remote level control, installation is efficient and straightforward.

Built for reliability, the amplifier includes robust protection features such as overload, short-circuit, over-temperature, and under-voltage safeguards. With a compact 1U rack design, the DP-8015i offers exceptional power and flexibility, making it an excellent choice for professional audio installations.



## Features

- 8 x 150 W @ 2 Ohm (RMS), 8 x 150 W @ 4 Ohm (RMS), 8 x 150 W @ 8 Ohm (RMS).
- 4 x 300 W @ 4 Ohm (BTL,RMS), 4 x 300 W @ 8 Ohm (BTL, RMS), 4 x 300 W @ 16 Ohm (BTL, RMS).
- 8 x 150 W @ 100 V (Hi-Z), 8 x 150 W @ 70 V (Hi-Z)
- Remote ON/OFF (Standby).
- Remote Level Adjustment.
- Plug-in connector, pitch: 5.08 mm for loudspeaker.
- Plug-in connector, pitch: 3.81 mm for audio input.
- 2 operation modes (STEREO and BRIDGE).
- Power, Protect, Signal and Limiter indicators.
- Thermal protect, over current protect, DC protect, output short protect.
- Ultra quiet variable speed fans.
- Stable at 2 Ohm operation.

## How to use this manual

This manual provides the basic information for the proper installation and use of the equipment. It may not cover all the conditions that may arise in the actual project. For more information, please visit our website or contact our technical support, system installation personnel or agents.

## Warning sign

	Important operation or special note
	Risk of electrical shock

# Installation

## Unpacking

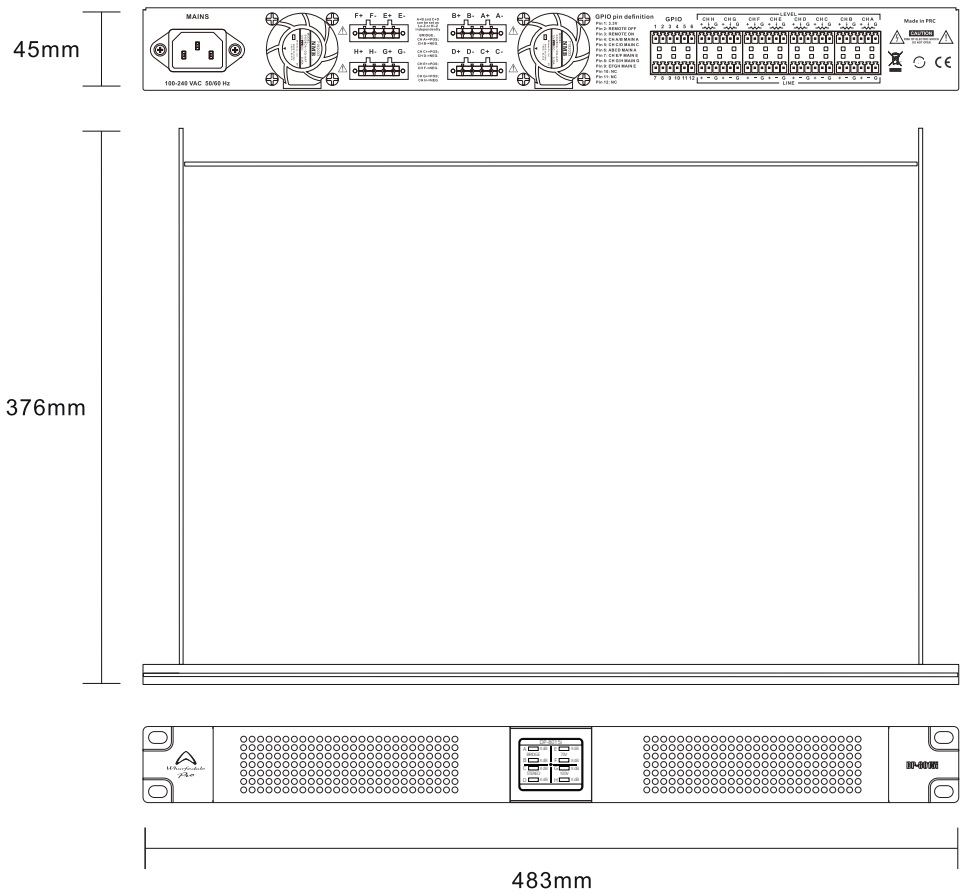
Open packaging and check that the equipment has not been damaged in transportation. If the equipment is damaged, please contact the shipping company or reseller immediately.

It is recommended that you save all packaging materials for future use. Do not transport the equipment without protection to avoid risk of damage.

## Packing List

Amplifier	1 pc	6P Plug-in connector, pitch:3.81 mm	10 pcs
Power cord	1 pc	4P Plug-in connector, pitch:5.08 mm	4 pcs
User manual	1 pc	Rubber feet	4 pcs

## Outline dimensions



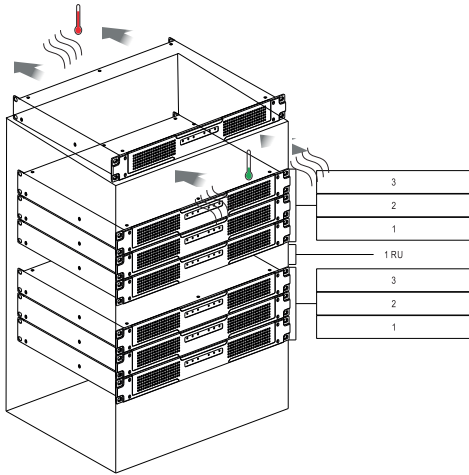
## Installation preparation

	Warning: before installation, please confirm that you see and read the safety warning.
	Before installation, make sure that the power cord is not connected to the power outlet; The power switch is turned off; The volume knob is completely closed (counterclockwise to the limit).
	The equipment operates at high power and generates a strong magnetic field. To avoid potential noise, keep signal-sensitive equipment at a safe distance.

For standard operation, the following parts are needed:

1. Input connection cable
2. Output connection cable
3. Cabinets or equipment mounting rack

## Cooling instructions



The cooling mode of the equipment is as follows:

Cold air is sucked through the ventilation holes of the front panel and the heat is expelled from the rear panel. To ensure good heat dissipation, please keep the equipment in the 0~40 degrees range and ensure that the front and rear panel airways are clear.

If the temperature exceeds 85 degrees, output voltage will be reduced.

If the temperature continues to rise to 90 degrees, the power amplifier will be shut down. When the temperature drops back to a safe temperature, the equipment will restart automatically.

After long term use, if the cooling effect becomes reduced, please turn off the equipment and remove the front dust net cover to clean out any dust that may have built up.

## Power cord



The grounding end of the power cord must be grounded, otherwise there is a risk of electric shock!

The power cord must have sufficient current capacity, AC power supply voltage and frequency must be in range of +10% of the nominal value.

## Input / output cabling

Use shielded cables. Higher density shielding layers are better.

Use balanced connections for inputs. This reduces noise interference.

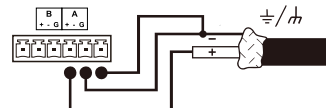
If using unbalanced connections and cables, the shorter the better. Preferably not more than 3m.

The weak signal line should avoid to parallel with the power line and the power output line, otherwise it might produce noise.

Before changing any connection, always turn off all equipment. Otherwise, it may cause damage to hearing and any connected loudspeakers.

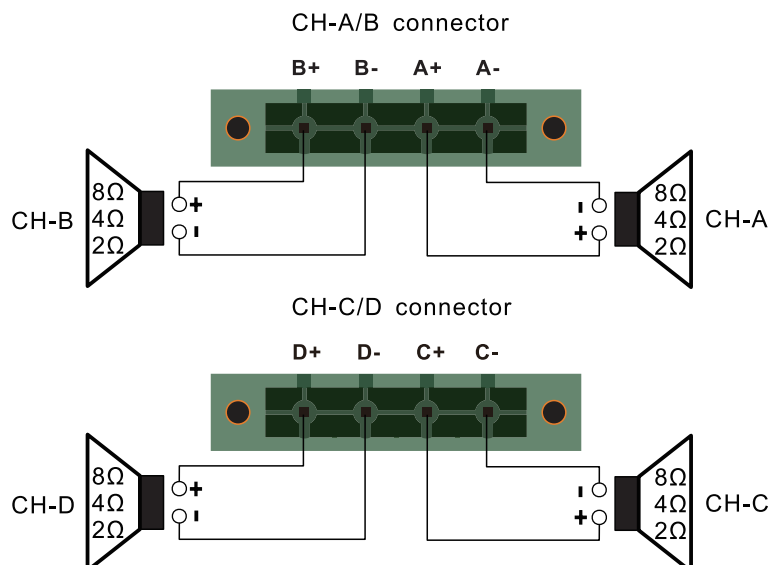


Balanced analog input connection

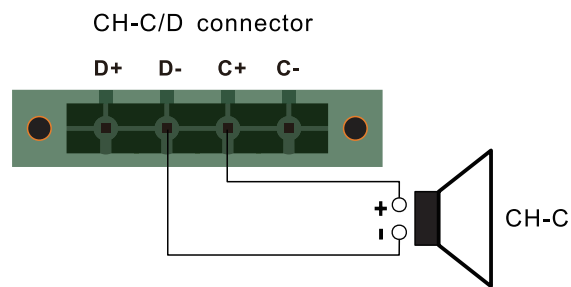
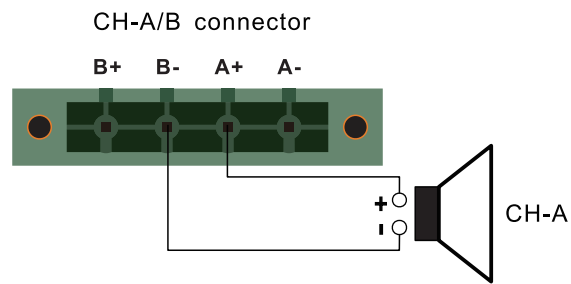


Non balanced analog input connection

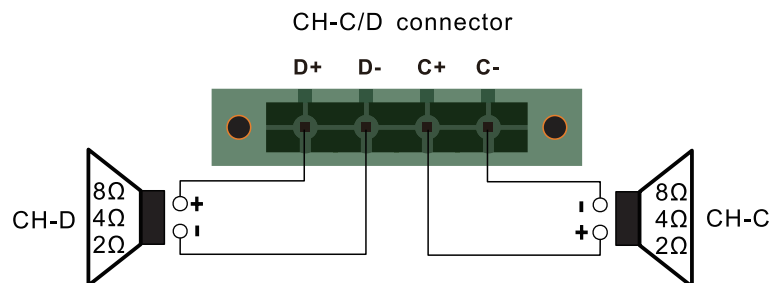
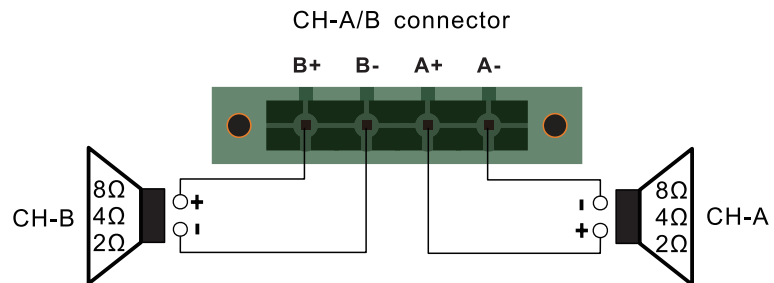
## Low-Z Stereo Mode



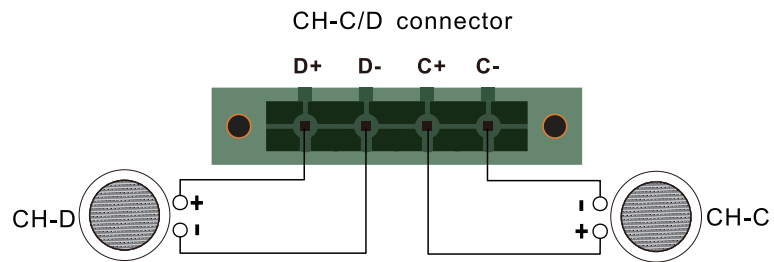
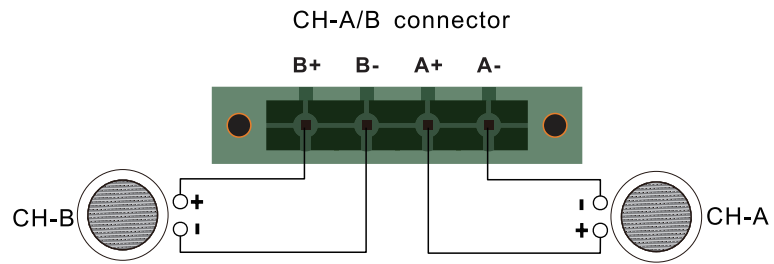
## Low-Z Bridge Mode



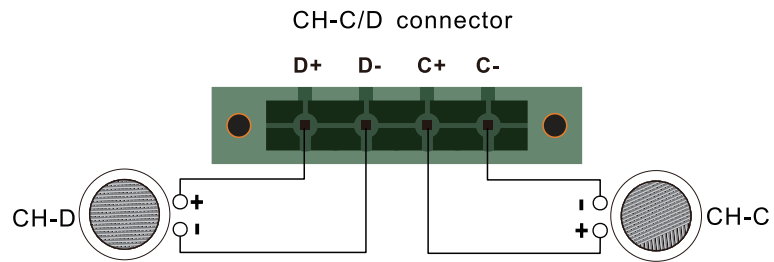
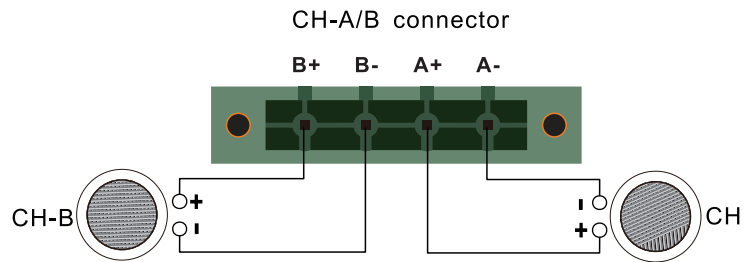
## Low-Z MONO Mode



## High-Z 100 V Mode



## High-Z 70 V Mode



# Operating instructions



Before installation, make sure that the power cord is not connected to the power outlet; the power switch is turned off; the volume knob is completely closed (counterclockwise to the limit).

## Speaker protection

Clipping not only distorts the sound, but it also damages the transducers (drivers) of your loudspeakers.

If clipping occurs, reduce the input signal level to avoid clipping.

Strong sub signals can also burn low frequency drivers. The high-level low frequency signal caused by (e.g.) dropping a microphone is a typical sub acoustic signal. Always use methods to prevent sub sonic signals.

A. Install a high pass filter between the mixer and the amplifier.

B. Turn on the high pass filter in the mixer. Without affecting the use, the filter frequency is set as high as possible. For example, for the music signal is set to 35 Hz, for a microphone set it to 75 Hz.

## Attention

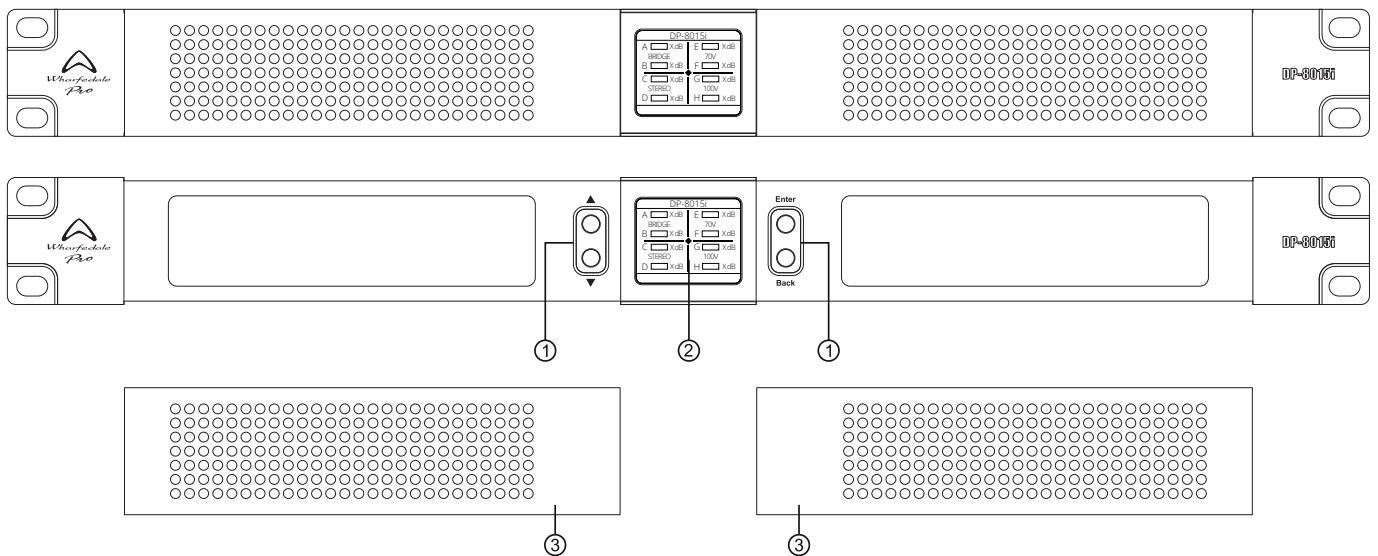
To achieve the best performance and the highest security, please pay attention:

1. Before use, you need to configure the amplifier, including the input and output cables. Improper wiring will lead to the equipment not working correctly and can cause damage. For information about connections please refer to the "installation" section of this manual.
2. Be careful when connecting, selecting the input signal and controlling the output level.
3. Do not connect the ground wire of the input and output cable together. This will form a ground loop and will cause oscillations.
4. Never connect the output cable to a power supply, it will cause electric shock.
5. Never make any modifications to the circuitry. It will void any warranty or support.
6. Do not use the amplifier if the SIG LED continuously flashes yellow.
7. Do not overload the mixer outputs. Overloading will send clipped signals to the amplifier inputs. The amplifier will accurately reproduce such signals, and the connected loudspeakers can easily be damaged.
8. Do not use the amplifier under the condition of lower than the nominal load. Too low load may cause amplifier output protection and premature clipping.
9. When the amplifier is turned on, the output connections are active. Never touch as the power output can be fatal.

## Quick Start Guide

1. Make sure the power switch is in the off position while connecting with the power amplifier.
2. Connect all devices in the signal path and make sure each connection is correct and secure.
3. Set all level and gain controls to their minimum.
4. After powering up all other devices, press the power switch of the amplifier to the ON position and check whether the POWER LED lights correctly.
5. Turn the amplifier volume control up to the "7" setting. (After set-up, according to your demand, this setting can be adjusted higher or lower). When the source signal is present, set each gain stage in your signal path from the beginning of the chain. It is the best choice for you to make the overall volume changes with the master fader of your mixing console once the amplifier input trim has been calibrated.
6. When powering down, make sure the power amplifier is turned off first.

# Operating Panel



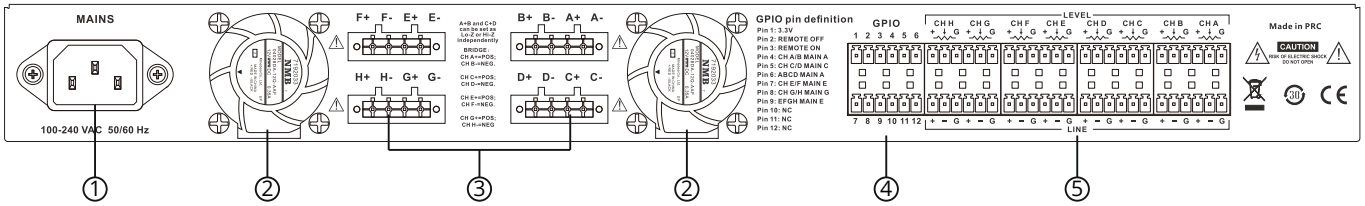
	Icon	Function	Illustration
1		Control knob	The four buttons "Up", "Down", "Enter", and "Return", combined with the display screen, control the amplifier's volume, mode, and other functions.
2		Display screen	The display screen can display volume, mode, and working status.
3		Magnetic suction front panel	After removing the front panel, you can adjust the volume and clean or replace the air filter.

## Menu process



1. When in the main screen, click "Enter" to the "Password" interface.
2. Input the password "1999" and confirm. Then you will enter the "Main Menu".

# Operating Panel



	Icon	Function	Illustration
1		Power Input	IEC 10 A Connector, 3 x 1.0 mm <sup>2</sup> Power cord.
2		Fan	Ultra quiet variable speed fans.
3		Output Connector	Plug-in connector (pitch: 5.08 mm): When the amplifier is in Stereo or Mono mode, Loudspeaker A is connected to A+ and A-, Loudspeaker B is connected to B+ and B-, and so on; When the amplifier is in Bridge mode, Loudspeaker A is connected to A+ and B- . Loudspeaker C is connected to C+ and D-
4		GPIO Connector	<p><b>PORT 1</b> (3.3 V)</p> <p><b>PORT 2</b> (REMOTE OFF) When PORT1 and PORT 2 are connected, the amplifier is in standby mode.</p> <p><b>PORT 3</b> (REMOTE ON) When PORT1 and PORT 3 are connected, the power amplifier is in turned mode.</p> <p><b>PORT 4</b> (CH A/B MAIN A) When PORT1 and PORT 4 are connected, the volume of CH A and CH B is controlled by the REMOTE LEVEL port of CH A.</p> <p><b>PORT 5</b> (CH C/D MAIN C) When PORT1 and PORT 5 are connected, the volume of CH C and CH D is controlled by the REMOTE LEVEL port of CH C.</p> <p><b>PORT 6</b> (ABCD MAIN A) When PORT1 and PORT 6 are connected, the volume of CHA, CH B, CH C and CH D is controlled by the REMOTE LEVEL port of CH A.</p> <p><b>PORT 7</b> (CH E/F MAIN E) When PORT1 and PORT 7 are connected, the volume of CH E and CH F is controlled by the REMOTE LEVEL port of CH E.</p> <p><b>PORT 8</b> (CH G/H MAIN G) When PORT1 and PORT 8 are connected, the volume of CH G and CH H is controlled by the REMOTE LEVEL port of CH G.</p> <p><b>PORT 9</b> (EFGH MAIN E) When PORT1 and PORT 9 are connected, the volume of CH E ,CH F,CH G and CH H is controlled by the REMOTE LEVEL port of CH E.</p> <p><b>Port 10 11 12</b> (NC) Port undefined.</p>
5		LEVEL Connector	Remote level adjustment :10 kΩ potentiometer connected to the LEVEL Connector. The volume of each channel can be remotely controlled.
		Line Connector	Analog Audio Input :Balanced audio input plug,

# Specifications

Model	DP-8015i
Stereo Power Output	
8 ohms 4 ohms 2 ohms	8 x 150 W
Bridge Power Output	
8 ohms 4 ohms 2 ohms	4 x 300 W
Hi-Z Power Output	
100V 70V	8 x 150 W
Rear panel	
Input Connectors	Plug-in connector pitch: 3.81 mm
Remote Level control (10 KQ) connectors	Plug-in connector, pitch: 3.81 mm
Output Connectors	Plug-in connector, pitch: 5.08 mm
Remote ON/OFF - Link connectors	Plug-in connector, pitch: 3.81 mm
Mode Switch	LO-Z, HIZ 100V, HI-Z 70 V, MONO-BRIDGE
Front panel	
Control knob	The four buttons: "Up", "Down", "Enter", and "Back"
Display Screen	1.77 inch Color display screen
Input Sensitivity	
Sensitivity selection	
8 Ohm /Stereo	1V (30.8 dB),0.775 V (33 dB)
8 Ohm / Bridge	1V (33.8 dB),0.775 V (36 dB)
100 V	1V (40.0 dB),0.775 V (42.2 dB)
70 V	1V (36.9 dB),0.775 V (39.1dB)
THD+N	Typical: 0.05%. (10% Rated Power )
Crosstalk	>70 dB (20 Hz-1 KHz, Below Rated Power)
Frequency Response Lo-Z, 8 Ohm	Typical:-0.5 dB (10% Rated Power, 20 Hz-20 kHz)
Frequency Response Hi-Z	Typical:-3.0 dB (10% Rated Power, 40 Hz-16 kHz)
Input Impedance	20 kΩ (Balanced), 10 kΩ (Unbalanced)
Damp Factor	Typical:300 (20 Hz-200 Hz, Lo-Z, 8 Ohm)
SNR	> 95 dB (A weighted, 20 Hz-20 kHz, 8 Ohm)
Main Power	100~240 VAC +/-10%, 50/60 Hz
Protection	Under voltage, DC, Over temperature; Limiter,Overload, Short
Net Size	483 x 45 x 320 mm (WxHxD)
Net Weight	6.0 kg

# Power consumption and heat

Test signal: Pink Noise, bandwidth limited from 22 Hz to 22 kHz

1/8 power is typical of program material with occasional clipping. Refer to these figures for most applications.

1/3 power represents program material with extremely heavy clipping.

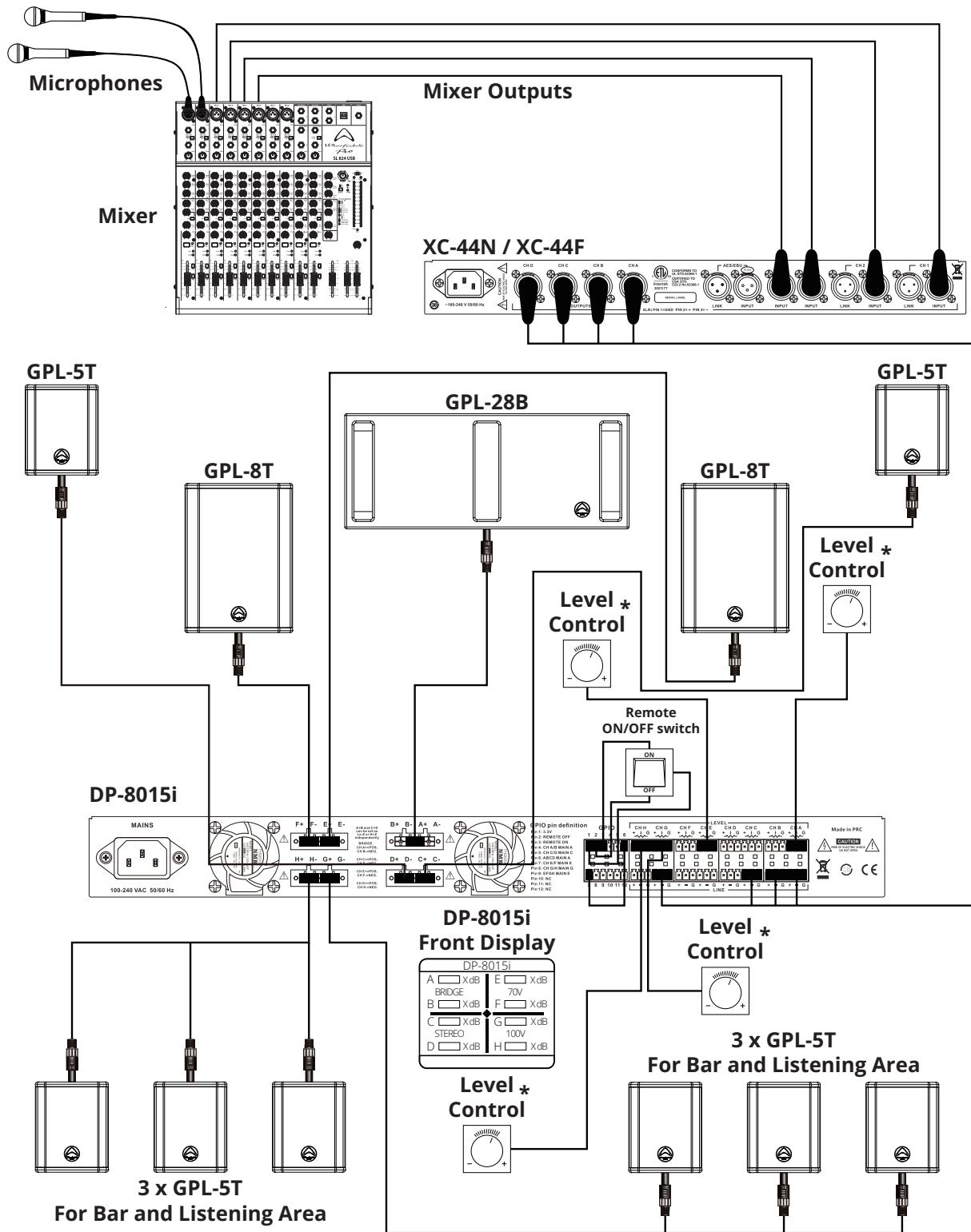
## 8 x 150 W

		Line Current (A)		Power (W)			Thermal Dissipation	
	LOAD	220 V	110 V	IN	OUT	Dissipated	Btu/h	kcal/h
standby		0.7	1.4	150	0	150	511.9	129
1/8 power	8 Ω/CH	1.5	3	328.3	150	178.3	608.6	153.4
	4 Ω/CH	1.5	2.9	322.7	150	172.7	589.4	148.5
	100 V/CH	1.6	3.2	350	150	200	682.5	172
	70 V/CH	1.6	3.2	355.5	150	205.5	701.2	176.7
1/3 power	8 Ω/CH	2.8	5.6	613.8	400	213.8	729.7	183.9
	4 Ω/CH	2.8	5.5	607.7	400	207.8	709.2	178.7
	100 V/CH	2.9	5.7	631.9	400	231.9	791.5	199.5
	70 V/CH	2.9	5.8	637.8	400	237.8	811.6	204.5

## Gain Comparison Table

Input Sensitivity	GAIN (8 Ω) GAIN	GAIN (100 V)	GAIN (70 V)
0.775 V	38 dB	42 dB	39 dB
1 V	36 dB	40 dB	37 dB

# System example



\* Optional 3rd party Level Controllers.



## WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of three years from the original date of purchase. In the event of malfunction, contact your authorised Wharfedale Pro dealer or distributor for information. Please be aware that the warranty details may differ from country to country. Contact your dealer or distributor for information (available at [www.wharfedalepro.com](http://www.wharfedalepro.com)). These terms do not infringe your statutory rights.



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