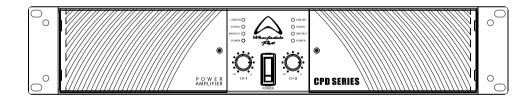
# CPD SERIES. **Professional Power Amplifier**

## **OPERATING MANUAL AND USER GUIDE**





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### 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.

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## INTRODUCTION

Congratulations on the purchase of your CPD series professional power amplifier. Wharfedale Pro CPD amplifiers are the result of many years of experience in the use, design and manufacture of professional audio equipment.

We take great pride in engineering and building every Wharfedale Pro product and wish to thank you for entrusting us with your sound.

From the time Gilbert Briggs built his first loudspeaker in 1932, to the present day, Wharfedale have maintained the same standard of quality in components, workmanship and performance.

Please take the time to read this manual completely in order to ensure that you get the most from your CPD power amplifier.

### **ABOUT THE CPD SERIES**

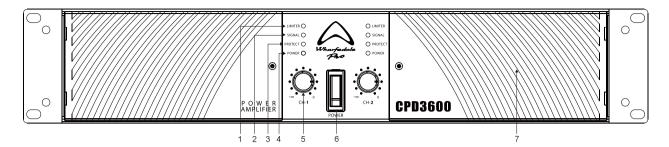
Suitable for portable sound reinforcement or fixed installations, the series feature 5 models that deliver between 350W and 1500W per channel into a 4 ohm load in a rugged 2U, 19" rack mount enclosure. An advanced transformer power supply and Class AB/H topology deliver high power with low distortion in a compact and light weight form factor.

A full suite of protection includes thermal, over-current, DC, short circuit protect and power on/off mute. The CPD Series features XLR inputs and linked outputs with a maximum input level of +22dBu allowing integration with any typical professional audio system. The variable speed fans keep the amplifier rack quiet when not in use. The CPD series features 3 different operating modes, parallel, stereo and bridge.

## **FEATURES**

- CPD1000: 350W\*2@4Ohms (RMS), 230W\*2@8Ohms (RMS), 700W@8Ohms (BTL)
   CPD1600: 620W\*2@4Ohms (RMS), 400W\*2@8Ohms (RMS), 1200W@8Ohms (BTL)
   CPD2600: 1000W\*2@4Ohms (RMS), 650W\*2@8Ohms (RMS), 1940W@8Ohms (BTL)
   CPD3600: 1300W\*2@4Ohms (RMS), 870W\*2@8Ohms (RMS), 2590W@8Ohms (BTL)
- CPD4800:1500W\*2@4Ohms(RMS),1000W\*2@8Ohms(RMS),3000W@8Ohms(BTL)
- 2 channels XLR inputs with link outputs
- 3 operation modes (PARALLEL, STEREO and BRIDGE)
- Power, Protect, Signal and Limiter indicators
- Thermal protect, over current protect, DC protect, output short protect, power on/off mute
- Ultra quiet variable speed fans
- Speakon outputs for speakers (Binding post also for CPD4800)
- 2U rack mount chassis

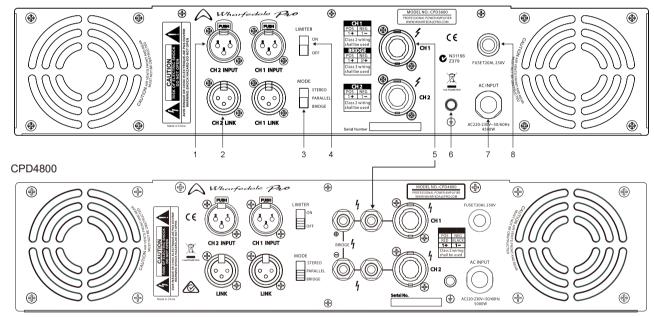
## FRONT PANEL FEATURES AND CONTROLS



- 1. LIMITER LED: Illuminates when the amplifier is being driven into clipping.
- 2. SIGNAL LED: Indicates presence of signal on the channel.
- 3. PROTECT LED: Illuminates when the amplifier is in protect mode due to short circuit, over current or thermal overload.
- 4. POWER LED: Illuminates when the amplifier is connected to mains power and switched on.
- 5. Input Trim: Controls the output level of the amplifier.
- 6. Power switch: To power the amplifier up or down.
- 7. Air filter: Knocked down air filter cover. Easily for clean. The air flow is from front to back.

### **REAR PANEL – FEATURES AND CONTROLS**

CPD1000, CPD1600, CPD2600, CPD3600



- 1. XLR Input: Balanced XLR input for connection to 0dBu line level sources. CH1 INPUT is also the available input channel for BRIDGE mode.
- 2. XLR link Output: Balanced XLR output to another CPD amplifier.
- 3. Mode Switch: There are 3 switchable operating modes, parallel, stereo and bridge.
- 4. LIMITER Switch: The internal limiter can prevent signal overload and distortion.
- 5. SPEAKON Output: For connection to passive loudspeakers.(Binding post also for CPD4800)
- 6. Grounding Terminal: The grounding terminal for the chassis.
- 7. Mains Power Cord: The unit has a fixed power cord, and for the safety, this cord is not allowed to be replaced arbitrarily by the user.

#### WARNING: DO NOT ATTEMPT TO BYPSS THE GROUND CONNECTION OF THE POWER CORD!

8. FUSE: Please use the same type fuse as the text of the chassis for replacing.

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## **OPERATING MODE SWITCHES**

There are 3 different operating modes switchable for the CPD series amplifiers.

**STEREO** - Each channel remains independent. The amplifier may be used for two different signals.

**PARALLEL** - This setting connects both inputs together. One signal feeds both channels. Each channel's Gain control and loudspeaker connection remain independent.

**BRIDGE** - This setting combines both channels into a single channel with twice the output power. Use only the first channel's input and Gain control. Set the second channel's Gain control at maximum. The load must be rated for the higher output power.

## **OUTPUT WIRING**

The CPD Series employ Speakon output connectors. Ensure that only heavy gauge two conductor speaker cables with professionally wired Speakon connectors are used for connection from amplifier to loudspeaker.

STEREO and PARALLEL Mode- Connect each loudspeaker to its own channel of the amplifier, as shown on the left side of the Speakon. The Mode switches must be set for Stereo or Parallel Mode

**BRIDGE Mode**- Bridge Mode configures the channel pair to drive a single audio circuit. The Mode switches must be set for Bridge Mode. Connect the load as shown on the left side of CH 1's Speakon. (Not for C P D 4800)

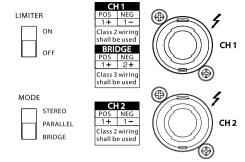
WARNING: Do not use less than 4 ohm load in Bridge Mode!

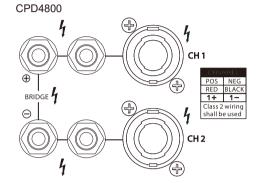
WARNING: Note polarity of connection for Bridge Mode.

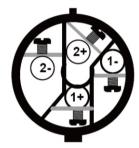
OUTPUT WIRING WARNING: Class 2 wiring shall be used. For Bridge Mode, class 3 wiring shall be used.

OUTPUT SAFETY WARNING: Make all connections with amplifier turned off. Risk of hazardous energy!

CPD1000, CPD1600, CPD2600, CPD3600





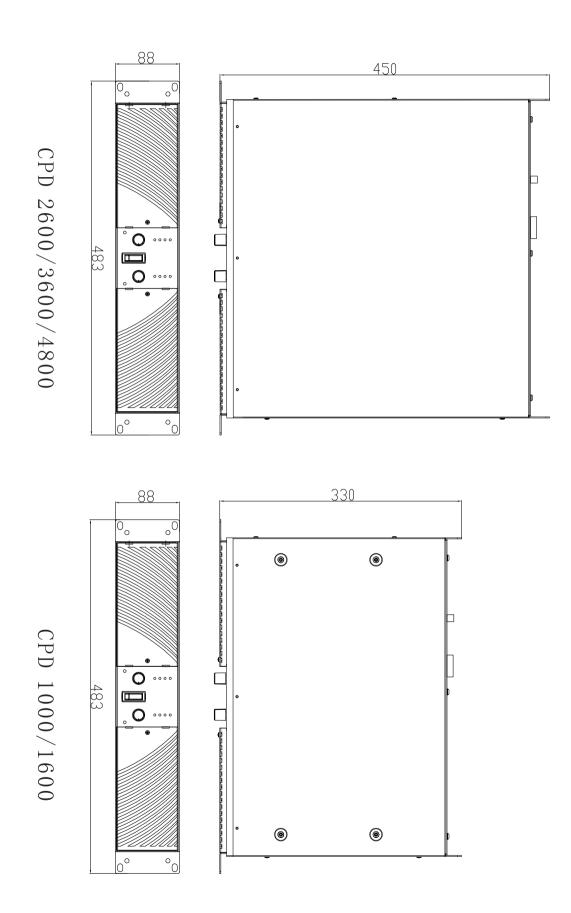


	STEREO/ PARALLEL	BRIDGE
CH 1	1+=Positive 1-=Negative	1+=Positive 2+=Negative
CH 2	1+=Positive 1-=Negative	No use

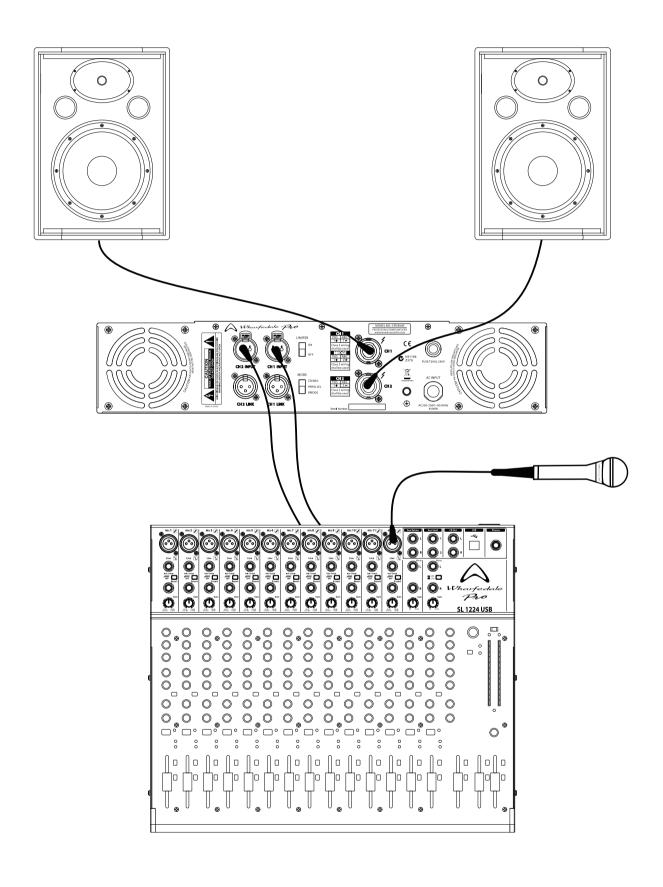
## **OUICK START GUIDE**

- 1. Make sure that the power switch is set at the OFF position while making connections to and from the power amplifier.
- 2. Connect all devices in the signal path and ensure that each connection is secure.
- 3. Set all level and gain controls to their minimum.
- 4. After powering up all other devices first, turn on the CPD amplifier and verify that the POWER LED is illuminated.
- 5. Turn the amplifier volume control up to the 3 o'clock position. (This setting can be adjusted higher or lower, as needed, after set-up). With source signal present starts to set each gain stage in your signal path, starting at the beginning of the chain. It is best practice to make 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 that the power amplifiers are switched off first.

## **DIMENSIONS**



## **WIRING DIAGRAM**



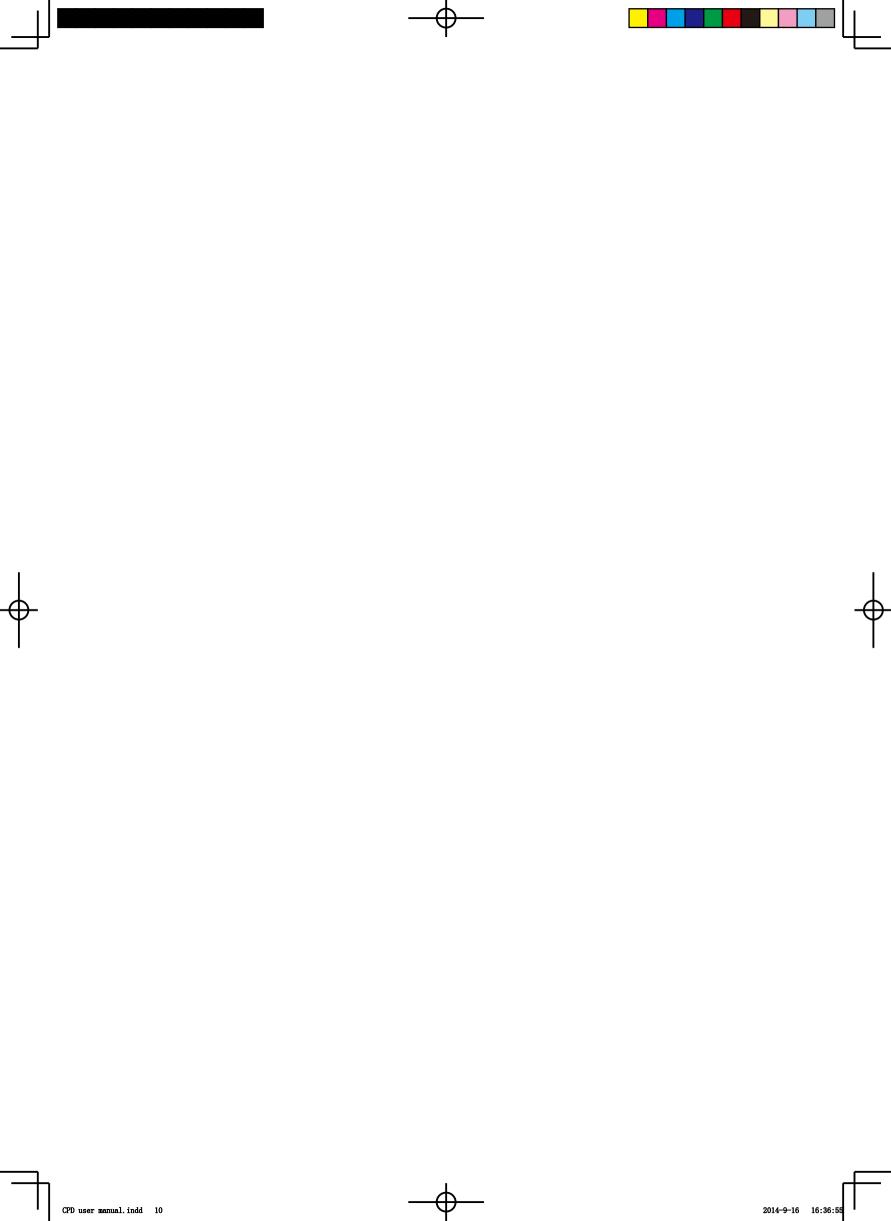
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## **SPECIFICATION**

Stereo Power Output	Model Name	CPD1000	CPD1600	
8 ohms*2 230W 400W 4 ohms*2 350W 620W Bridged Mono Output 8 ohms 700W 1200W  Input Sensitivity & impedance Sensitivity				
Bridged Mono Output	8 ohms*2	230W	400W	
Input Sensitivity & impedance	4 ohms*2	350W	620W	
Input Sensitivity & impedance	Bridged Mono Output			
Sensitivity	8 ohms	700W	1200W	
Sensitivity				
Balanced XLR input   20Kohms   20Kohms   20Kohms   Maximum Input Level   22dBu (9.7Vrms)   22dBu (9.7Vrms)   22dBu (9.7Vrms)   22dBu (9.7Vrms)   20dBu (9.7Vrm)   20dBu (9.7Vrm)   20dBu (9.7Vrm)   20dBu (9.7Vrm)   20dBu (9.7Vrm)   20dBu (9.7Vrm)	Input Sensitivity & impedance			
Maximum Input Level         22dBu (9.7Vrms)         22dBu (9.7Vrms)           Voltage Gain         35dB         37dB           Slew Rate         >40V / us         >40V / us           Crosstalk         <-70dB         <-70dB           S/N         >100dB         >100dB           S/N         >100dB         >100dB           Distortion (1W)         <0.02%         <0.02%           Frequency Response         +/-1dB @ 8 Ohms         20Hz - 20KHz         20Hz - 20KHz           +/-3dB @ 8 Ohms         20Hz - 30KHz         20Hz - 30KHz         20Hz - 30KHz           Damping Factor         >300         >300            Topology         Class AB         Class AB         Class AB           Connectors         Signal Input and Output         Female and Male XLR Jacks         Female and Male XLR Jacks           Power Output         SPEAKON Jacks         SPEAKON Jacks         SPEAKON Jacks           Front panel         AC Switch, CH 1 and CH 2 Gain Knobs         Rear panel         Parallel, Stereo & Bridge Mode Switch; Limiter Switch           Protections         Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute         AC Power Options         AC110-120V~5060Hz or AC100V~5060Hz AC220-230V~5060Hz or AC100V~5060Hz AC220-230V~5060Hz or AC240V~5060Hz AC220-230V~50	Sensitivity	0dBu (0.775Vrms)	0dBu (0.775Vrms)	
Voltage Gain         35dB         37dB           Slew Rate         >40V / us         >40V / us           Crosstalk         <-70dB         <-70dB           S/N         >100dB         >100dB           Distortion (1W)         <0.02%         <0.02%           Frequency Response         ***/-1dB @ 8 Ohms         20Hz - 20KHz         20Hz - 20KHz           +/-3dB @ 8 Ohms         20Hz - 30KHz         20Hz - 30KHz         20Hz - 30KHz           Damping Factor         >300         >300         ***           Topology         Class AB         Class AB         Class AB           Connectors         ***         Signal Input and Output         Female and Male XLR Jacks         Female and Male XLR Jacks           Power Output         SPEAKON Jacks         SPEAKON Jacks         SPEAKON Jacks           Controls         ***         SPEAKON Jacks         SPEAKON Jacks           Rear panel         AC Switch, CH 1 and CH 2 Gain Knobs         ***         ***           Rear panel         Parallel, Stereo & Bridge Mode Switch; Limiter Switch         ***           Protections         Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute         ***           Indictors         Power, Protect, Signal, Limiter         ***	Balanced XLR input	20Kohms 20Kohms		
Slew Rate	Maximum Input Level	22dBu (9.7Vrms) 22dBu (9.7Vrms)		
Crosstalk         <-70dB         <-70dB           S/N         >100dB         >100dB           Distortion (1W)         <0.02%         <0.02%           Frequency Response	Voltage Gain			
S/N   >100dB   >100dB	Slew Rate	>40V / us >40V / us		
Distortion (1W)	Crosstalk	<-70dB <-70dB		
Frequency Response           +/-1dB @ 8 Ohms         20Hz - 20KHz         20Hz - 20KHz           +/-3dB @ 8 Ohms         20Hz - 30KHz         20Hz - 30KHz           Damping Factor         >300         >300           Topology         Class AB         Class AB           Connectors         Class AB         Class AB           Signal Input and Output         Female and Male XLR Jacks         Female and Male XLR Jacks           Power Output         SPEAKON Jacks         SPEAKON Jacks           Controls         SPEAKON Jacks         SPEAKON Jacks           Front panel         AC Switch, CH 1 and CH 2 Gain Knobs           Rear panel         Parallel, Stereo & Bridge Mode Switch; Limiter Switch           Protections         Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute           Indictors         Power, Protect, Signal, Limiter           Cooling         Variable Speed Fan           AC Power Options         AC110-120V~50/60Hz orAC100V~50/60Hz, AC210-230V~50/60Hz orAC240V~50/60Hz           AC220-230V~50/60Hz orAC240V~50/60Hz         AC220-230V~50/60Hz orAC240V~50/60Hz           Dimensions         88*483*330mm         88*483*330mm           Weight (Net)         11kg         13kg	S/N	>100dB >100dB		
+/-1dB @ 8 Ohms         20Hz - 20KHz         20Hz - 20KHz           +/-3dB @ 8 Ohms         20Hz - 30KHz         20Hz - 30KHz           Damping Factor         >300         >300           Topology         Class AB         Class AB           Connectors         Class AB         Class AB           Signal Input and Output         Female and Male XLR Jacks         Female and Male XLR Jacks           Power Output         SPEAKON Jacks         SPEAKON Jacks           Controls         Front panel         AC Switch, CH 1 and CH 2 Gain Knobs           Rear panel         Parallel, Stereo & Bridge Mode Switch; Limiter Switch           Protections         Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute           Indictors         Power, Protect, Signal, Limiter           Cooling         Variable Speed Fan           AC Power Options         AC110-120V~50/60Hz or AC100V~50/60Hz, AC220-230V~50/60Hz or AC240V~50/60Hz         AC220-230V~50/60Hz or AC240V~50/60Hz           Dimensions         88*483*330mm         88*483*330mm           Weight (Net)         11kg         13kg	Distortion (1W)	<0.02%	<0.02%	
+/-3dB @ 8 Ohms         20Hz - 30KHz         20Hz - 30KHz           Damping Factor         >300         >300           Topology         Class AB         Class AB           Connectors         Class AB         Class AB           Signal Input and Output         Female and Male XLR Jacks         Female and Male XLR Jacks           Power Output         SPEAKON Jacks         SPEAKON Jacks           Controls         Front panel         AC Switch, CH 1 and CH 2 Gain Knobs           Rear panel         Parallel, Stereo & Bridge Mode Switch; Limiter Switch           Protections         Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute           Indictors         Power, Protect, Signal, Limiter           Cooling         Variable Speed Fan           AC Power Options         AC110-120V~50/60Hz or AC100V~50/60Hz AC240V~50/60Hz AC220-230V~50/60Hz or AC240V~50/60Hz AC220-230V~50/60Hz or AC240V~50/60Hz           Dimensions         88*483*330mm         88*483*330mm           Weight (Net)         11kg         13kg	Frequency Response			
Damping Factor>300>300TopologyClass ABClass ABConnectorsSignal Input and OutputFemale and Male XLR JacksFemale and Male XLR JacksPower OutputSPEAKON JacksSPEAKON JacksControlsFront panelAC Switch, CH 1 and CH 2 Gain KnobsRear panelParallel, Stereo & Bridge Mode Switch; Limiter SwitchProtectionsThermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off muteIndictorsPower, Protect, Signal, LimiterCoolingVariable Speed FanAC110-120V~50/60Hz, AC210V~50/60Hz, AC220-230V~50/60Hz or AC100V~50/60Hz, AC220-230V~50/60Hz or AC240V~50/60HzDimensions88*483*330mm88*483*330mmCarton BoxWeight (Net)11kg13kg	+/-1dB @ 8 Ohms	20Hz - 20KHz	20Hz - 20KHz	
Topology Class AB Class AB  Connectors  Signal Input and Output Female and Male XLR Jacks Female and Male XLR Jacks  Power Output SPEAKON Jacks SPEAKON Jacks  Controls  Front panel AC Switch, CH 1 and CH 2 Gain Knobs  Rear panel Parallel, Stereo & Bridge Mode Switch; Limiter Switch  Protections Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute  Indictors Power, Protect, Signal, Limiter  Cooling Variable Speed Fan  AC Power Options AC110-120V~50/60Hz or AC100V~50/60Hz, AC220-230V~50/60Hz or AC240V~50/60Hz  Dimensions 88*483*330mm 88*483*330mm  Carton Box  Weight (Net) 11kg 13kg	+/-3dB @ 8 Ohms	20Hz - 30KHz	20Hz - 30KHz	
Connectors  Signal Input and Output Female and Male XLR Jacks Female and Male XLR Jacks  Power Output SPEAKON Jacks SPEAKON Jacks  Controls  Front panel AC Switch, CH 1 and CH 2 Gain Knobs  Rear panel Parallel, Stereo & Bridge Mode Switch; Limiter Switch  Protections Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute  Indictors Power, Protect, Signal, Limiter  Cooling Variable Speed Fan  AC Power Options AC110-120V~50/60Hz or AC100V~50/60Hz; AC220-230V~50/60Hz or AC240V~50/60Hz  Dimensions 88*483*330mm 88*483*330mm  Carton Box  Weight (Net) 11kg 13kg	Damping Factor	>300	>300	
Signal Input and OutputFemale and Male XLR JacksFemale and Male XLR JacksPower OutputSPEAKON JacksSPEAKON JacksControlsFront panelAC Switch, CH 1 and CH 2 Gain KnobsRear panelParallel, Stereo & Bridge Mode Switch; Limiter SwitchProtectionsThermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off muteIndictorsPower, Protect, Signal, LimiterCoolingVariable Speed FanAC110-120V~50/60Hz or AC100V~50/60Hz, AC220-230V~50/60Hz or AC100V~50/60HzAC110-120V~50/60Hz or AC240V~50/60HzAC Power OptionsAC110-120V~50/60Hz or AC240V~50/60HzAC220-230V~50/60Hz or AC240V~50/60HzDimensions88*483*330mm88*483*330mmCarton BoxMeight (Net)11kg13kg	Topology	Class AB	Class AB	
Power Output SPEAKON Jacks SPEAKON Jacks  Controls  Front panel AC Switch, CH 1 and CH 2 Gain Knobs  Rear panel Parallel, Stereo & Bridge Mode Switch; Limiter Switch  Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute  Indictors Power, Protect, Signal, Limiter  Cooling Variable Speed Fan  AC Power Options AC110-120V~50/60Hz or AC100V~50/60Hz; AC220-230V~50/60Hz or AC240V~50/60Hz  Dimensions 88*483*330mm 88*483*330mm  Carton Box  Weight (Net) 11kg 13kg	Connectors			
Front panel AC Switch, CH 1 and CH 2 Gain Knobs  Rear panel Parallel, Stereo & Bridge Mode Switch; Limiter Switch  Protections Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute  Indictors Power, Protect, Signal, Limiter  Cooling Variable Speed Fan  AC Power Options AC10-120V~50/60Hz or AC100V~50/60Hz, AC220-230V~50/60Hz or AC100V~50/60Hz AC220-230V~50/60Hz or AC240V~50/60Hz  Dimensions 88*483*330mm 88*483*330mm  Carton Box  Weight (Net) 11kg 13kg	Signal Input and Output	Female and Male XLR Jacks	Female and Male XLR Jacks	
Front panelAC Switch, CH 1 and CH 2 Gain KnobsRear panelParallel, Stereo & Bridge Mode Switch; Limiter SwitchProtectionsThermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off muteIndictorsPower, Protect, Signal, LimiterCoolingVariable Speed FanAC Power OptionsAC110-120V~50/60Hz or AC100V~50/60Hz; AC220-230V~50/60Hz or AC240V~50/60HzAC110-120V~50/60Hz or AC240V~50/60HzDimensions88*483*330mm88*483*330mmCarton BoxWeight (Net)11kg13kg	Power Output	SPEAKON Jacks	SPEAKON Jacks	
Rear panelParallel, Stereo & Bridge Mode Switch; Limiter SwitchProtectionsThermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off muteIndictorsPower, Protect, Signal, LimiterCoolingVariable Speed FanAC Power OptionsAC110-120V~50/60Hz or AC100V~50/60Hz; AC220-230V~50/60Hz or AC240V~50/60HzAC110-120V~50/60Hz or AC240V~50/60HzDimensions88*483*330mm88*483*330mmCarton BoxWeight (Net)11kg13kg	Controls			
Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute  Indictors Power, Protect, Signal, Limiter  Cooling Variable Speed Fan  AC Power Options AC 110-120V~50/60Hz or AC 100V~50/60Hz, AC 110-120V~50/60Hz or AC 100V~50/60Hz, AC 220-230V~50/60Hz or AC 240V~50/60Hz Dimensions 88*483*330mm 88*483*330mm  Carton Box  Weight (Net) 11kg 13kg	Front panel	AC Switch, CH 1 and CH 2 Gain Knobs		
Protections         Power on/off mute           Indictors         Power, Protect, Signal, Limiter           Cooling         Variable Speed Fan           AC Power Options         AC110-120V~ 50/60Hz or AC100V~ 50/60Hz, AC210-230V~ 50/60Hz or AC100V~ 50/60Hz AC220-230V~ 50/60Hz or AC240V~ 50/60Hz         AC220-230V~ 50/60Hz or AC240V~ 50/60Hz           Dimensions         88*483*330mm         88*483*330mm           Carton Box         Weight (Net)         11kg         13kg	Rear panel	Parallel, Stereo & Bridge Mode Switch; Limiter Switch		
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AC220-230V~50/60Hz or AC240V~50/60Hz	Cooling	<u> </u>		
Carton Box Weight (Net) 11kg 13kg	AC Power Options	•	•	
Weight (Net) 11kg 13kg	Dimensions	88*483*330mm	88*483*330mm	
	Carton Box			
<b>Weight (Gross)</b> 12.5kg 14.5kg	Weight (Net)	11kg	13kg	
	Weight (Gross)	12.5kg	14.5kg	

## **SPECIFICATION**

Madel Nema	CDD2600	CDD2600	CDD//200
Model Name	CPD2600	CPD3600	CPD4800
Stereo Power Output			
8 ohms*2	650W	870W	1000W
4 ohms*2	1000W	1300W	1500W
Bridged Mono Output			
8 ohms	1940W	2590W	3000W
Input Sensitivity & impedance	e		
Sensitivity	0dBu (0.775Vrms)	0dBu (0.775Vrms)	0dBu (0.775Vrms)
Balanced XLR input	20Kohms	20Kohms	20Kohms
Maximum Input Level	22dBu (9.7Vrms)	22dBu (9.7Vrms)	22dBu (9.7Vrms)
Voltage Gain	39dB	41dB	42dB
Slew Rate	>40V / us	>40V / us	>40V / us
Crosstalk	<-70dB	<-70dB	<-75dB
S/N	>100dB	>100dB	>100dB
Distortion (1W)	<0.02%	<0.02%	<0.02%
Frequency Response			
+/-1dB @ 8 Ohms	20Hz - 20KHz	20Hz - 20KHz	20Hz - 20KHz
+/-3dB @ 8 Ohms	20Hz - 30KHz	20Hz - 30KHz	20Hz - 30KHz
Damping Factor	>300	>300	>300
Topology	Class H	Class H	Class H
Connectors			
Signal Input and Output	Female and Male XLR Jacks Female and Male XLR Jac		Female and Male XLR Jacks
Power Output	SPEAKON Jacks SPEAKON +Binding		SPEAKON +Binding post
Controls			
Front panel	AC Switch, CH 1 and CH	ł 2 Gain Knobs	
Rear panel	Parallel, Stereo & Bridge Mode Switch; Limiter Switch		
Protections	Thermal protect, Over-current protect, Output DC protect, Output short protect, Power on/off mute		
Indictors	Power, Protect, Signal, Limiter		
Cooling	Variable Speed Fan		
AC Power Options	AC110-120V~ 50/60Hz or AC100V~ 50/60Hz; AC220-230V~ 50/60Hz or AC240V~ 50/60Hz		
Dimensions	88*483*450mm	88*483*450mm	88*483*450mm
Carton Box			
Weight (Net)	19kg	22kg	23.5kg
Weight (Gross)	22.5kg	25.5kg	27.0kg
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#### WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of one year 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). These terms do not infringe your statutory rights.



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