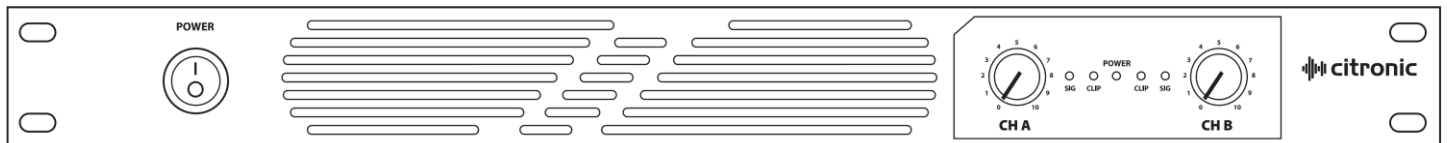


PL1400, PL2000

1U STEREO POWER AMPLIFIERS

Order ref: 172.113UK, 172.114UK

User Manual



Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing the Citronic PL-series 1U class D power amplifiers as part of your sound reinforcement system. These high output amplifiers are designed to offer high quality, dependable service for mobile and installed systems. Please read this manual fully and follow the instructions to achieve the best results with your new purchase and to avoid damage through misuse.

Warning

To prevent the risk of fire or electric shock, do not expose any of the components to rain or moisture. If liquids are spilled on the casing, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, extreme pressure or heavy vibration to the case. No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

Safety

- Check for correct mains voltage and condition of IEC lead before connecting to power outlet
- Ensure speaker leads are good condition with no short connections or damaged plugs
- Check impedance of speaker loads do not exceed the minimum stated load for the amplifier
- Do not allow any foreign objects to enter the case or through the ventilation grilles

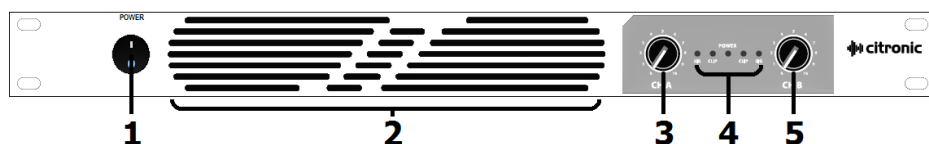
Placement

- Keep out of direct sunlight and away from heat sources, damp or dusty environments
- When rack-mounting, ensure adequate support for the base of the amplifier and firm fixings for the front
- Ensure adequate air-flow and do not cover cooling vents at the front and rear of the amplifier
- Ensure adequate access to controls and connections

Cleaning

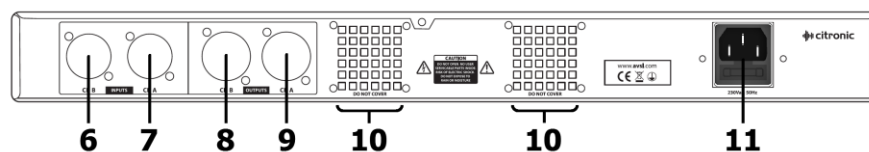
- Use a soft cloth with a neutral detergent to clean the casing as required
- Use a vacuum cleaner to clear ventilation grilles of any dust or debris build-ups
- Do not use strong solvents for cleaning the unit

Front Panel



1. Power on/off switch
2. Cooling vent
3. Channel A gain control
4. LED indicators
5. Channel B gain control

Rear Panel



6. Channel B XLR input
7. Channel A XLR input
8. Channel B SPK output
9. Channel A SPK output
10. Cooling vents
11. IEC mains inlet & fuse

Setup

Before operating the PL series amplifier, check the mains supply voltage and connect the IEC inlet (15) to the mains power supply using the power lead supplied (or equivalent). Ensure that the cooling vents at front and rear (2, 10) are not covered or obstructed in any way with adequate space for air-flow through the unit.

Connect Left and Right speakers to **Channel A** and **Channel B** outputs via the SPK connectors (8, 9)

For SPK wiring, connect + and - wires to pins **1+** and **1-**.

Ensure that the combined load on each channel is no lower than 4Ω (for speakers in parallel, 8Ω + 8Ω = 4Ω)

Connect line level Left and Right inputs to the **CH A** and **CH B** XLR inputs (6, 7)

Operation

With CH A and CH B volume controls (3, 5) turned fully down (anti-clockwise), switch on the power (1) and the POWER indicator will light (4)

Playing the line level signal into the CHA and CHB inputs, gradually increase the CHA and CHB volume controls. The amplified signal should be heard through the speakers and the SIG indicators (4) should respond to the audio output. Increase the volume controls to the required level.

Alongside the SIG indicators are CLIP indicators, which should only light very briefly on the loudest transients or spikes in the audio. If the CLIP LEDs light for more than a fraction of a second at a time, the volume controls should be turned down or input signal will need to be reduced.

Before powering down, turn down the volume controls to avoid loud pops or noises through the speaker

Specifications

	PL1400	PL2000
Power supply	230Vac 50Hz (IEC)	
Fuse	T10AL (250V)	T15AL (250V)
Power RMS @ 4Ω	2 x 700W	2 x 1000W
Power RMS @ 8Ω	2 x 380W	2 x 540W
Input connections	XLR balanced (L+R)	
Output connections	SPK (L+R)	
Frequency response	20Hz - 20kHz (±0.5dB)	
THD +N	<0.05%	
Damping factor	300	
S/N ratio (A weighted) : line	100dB	
Slew rate	20V/us	
Input impedance	10k Ohms unbalanced, 20k Ohms balanced	
Output circuit architecture	Class D	
Protection	Temperature, short circuit, DC, overload	
Indicators	Power, signal, clip	
Controls	L+R level, power on/off, bridge/parallel/stereo, ground lift	
Dimensions	482 x 180 x 44mm	
Weight	3.2kg	4.0kg



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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