CAMMiCA

Owner's Manual

4 CHANNEL
POWER AMPLIFIER **PP4**

7 CHANNEL
POWER AMPLIFIER **PP7**

11 CHANNEL
POWER AMPLIFIER **PP11**

Safety Information

This unit is designed and built to provide trouble-free performance. As with all electronic devices it is necessary to observe a few precautions:

- Heed all warnings shown on the back of the product.
- Only connect the unit to a mains outlet having the same voltage as marked at the back of the unit.
- Always ensure that when disconnecting and reconnecting your audio equipment the mains supply is switched off.
- Position the mains lead and signal interconnects where they are not likely to be walked on or trapped by items placed on them.
- Do not use near water, or place water-filled containers on the device, for example, a flower vase or potted plants. If water does spill inside, immediately pull out the mains plug from the wall socket and inform the dealer, who should then check the unit before further use. Entry of liquid into the device is dangerous and may cause electric shock or fire hazard.
- Do not place the unit near direct heat sources such as radiators, direct sunlight or other equipment.
- Do not remove any covers or try to gain access to the inside. There are no user adjustments or fuses to change without qualification. Refer all service work to an authorized agent.

Note: Unauthorized opening of the equipment will invalidate any warranty claim.

The electronics in modern hi-fi equipment are complex and may, therefore, be adversely affected or damaged by lightning. For protection of the system during electrical storms, remove the mains plugs. If after-sales service is required, to help the dealer identify the product please quote the serial number located on the rear panel of the unit.

WARNING - This appliance MUST be earthed.

Precautions & User Information

WARNING: Any modifications to this product, not expressly approved by Cammica audio, who is the party responsible for standards compliance could void the user's authority

Installation

Introduction

This unit has been designed for maximum performance. It easily powers your speakers at high levels and allows you to fully enjoy audio and video sources with great dynamics.

Note: In normal operation, the unit dissipates a small quantity of power at all times, and it is important that it is adequately ventilated. The device must be protected from humidity – if the unit is moved from a cold place to a warm room, leave the unit for an hour or so to allow sufficient time for the moisture to evaporate.

Cleaning

Before cleaning the unit, switch off power at the mains switch and remove the mains plug from the wall socket. Clean the cabinet and remote-control unit using a moist cloth. Using solvents, white spirit or thinners is not advised, as they could damage the surface finish.

Installation

Position the unit on a stable, horizontal surface where there is no risk of it being knocked or subjected to vibration such as from loudspeakers.

Power Connections

The unit is supplied with a standard IEC mains cable which plugs into the IEC socket at the back of the unit.

Audio Output Connections

Speaker outputs: The speaker output terminals for each channel are located below the XLR inputs. The top terminal of each channel is the positive (red) output and connects to the positive input of your speaker. The bottom terminal of each channel is the negative (black) output and connects to the negative input of your speaker. The terminals accept naked wire, spade connectors or banana plugs.

Input connections

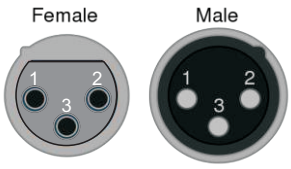
UNBALANCED RCA input: One unbalanced RCA input is available for each amplifier channel. Connect this to the corresponding RCA output of your preamplifier.

BALANCED XLR input: One balanced XLR input is available for each amplifier channel. Connect this to the corresponding XLR output of your preamplifier. If you have XLR outputs on your preamplifier, use these whenever possible. Balanced connections offer many advantages compared to unbalanced connections.

Interconnects

Note: Cammica audio currently do not make any interconnecting cables other than those supplied with the unit. If necessary, please refer to the dealer who can advise on quality cables for any particular setup.

Standard XLR Balanced input/output lead connections:

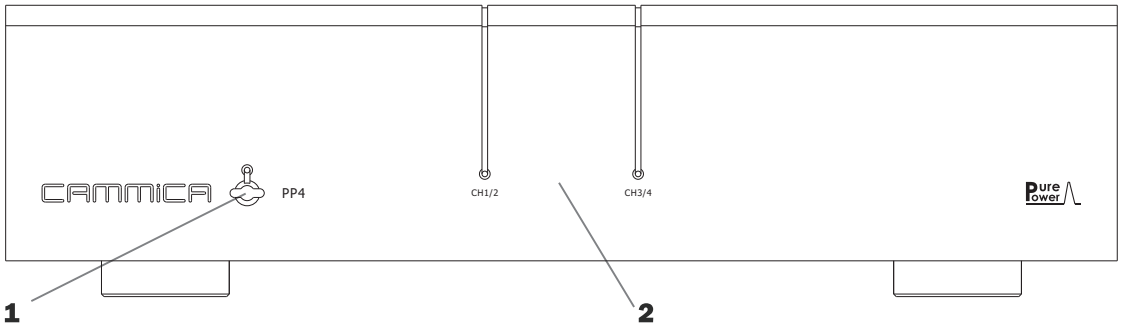


(for reference only, no XLR signal leads supplied)

Pin functions:

1 Ground, 0V
2 Normal polarity (“hot” or “+”)
3 Inverted polarity (“cold” or “-”)

Facilities & Connections PP4



1 Power/Standby button and LED's

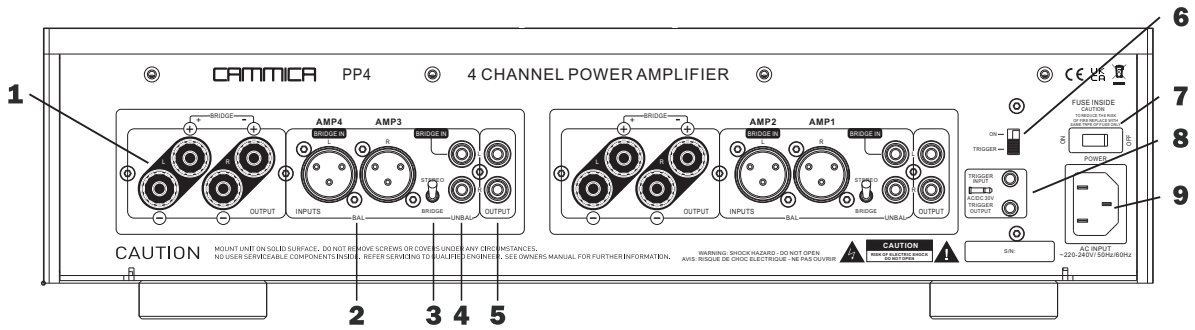
Turns the unit on or off. You can also use the trigger input to automatically turn on your device. It will turn on when an external source provides 5-30V on the trigger input.

2 Status LEDs for each channel

Blue LEDs: device is turned on and ready

Red LEDs: fault condition: Overheated, short circuit, DC on outputs

Dimmed red LEDs: standby mode is active



1 Speaker output

2 XLR Balanced Input

3 Stereo/Bridge Mode Switch

4 RCA Analogue input

5 RCA Analogue output (through)

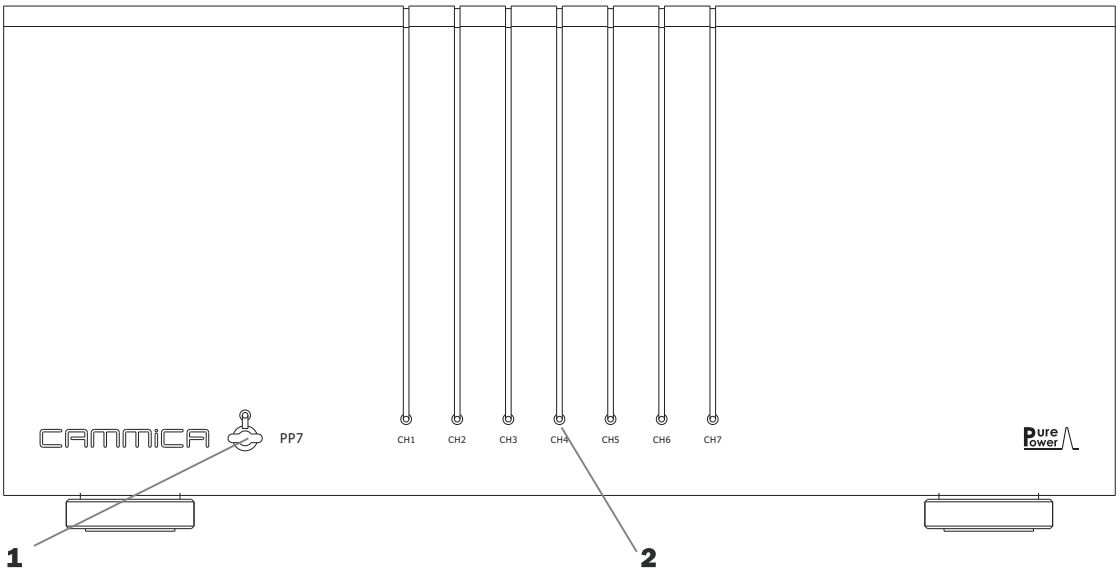
6 Trigger ON/OFF

7 Power ON/OFF switch

8 Trigger IN/OUT

9 Mains IEC sockets

Facilities & Connections PP7



1 Power/Standby button and LED's

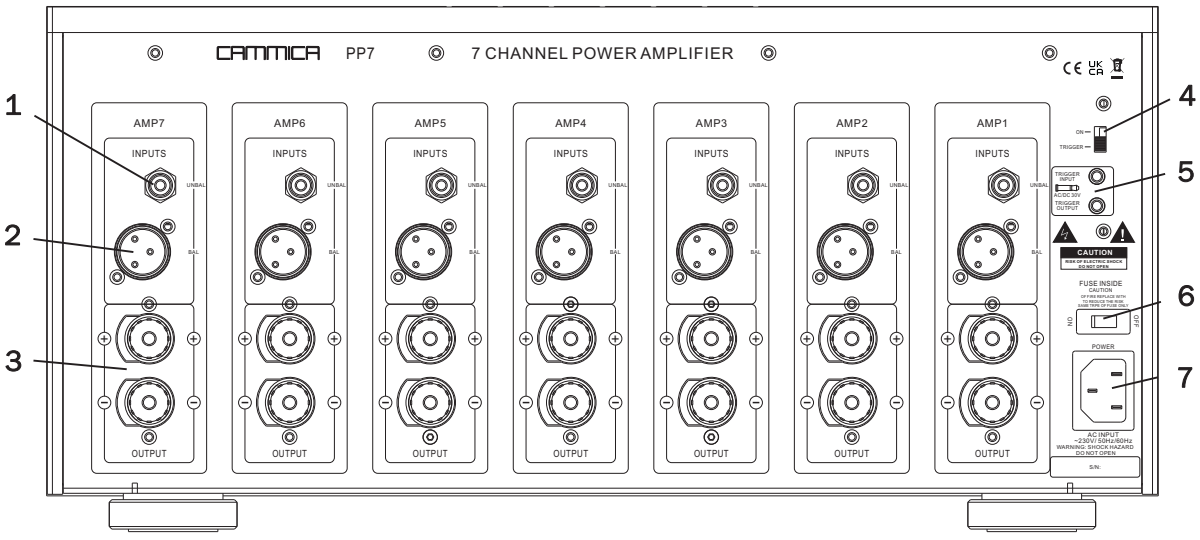
Turns the unit on or off. You can also use the trigger input to automatically turn on your device. It will turn on when an external source provides 5-30V on the trigger input.

2 Status LEDs for each channel

Blue LEDs: device is turned on and ready

Red LEDs: fault condition: Overheated, short circuit, DC on outputs

Dimmed red LEDs: standby mode is active



1 RCA Analogue input

2 XLR Balanced input

3 Speaker output

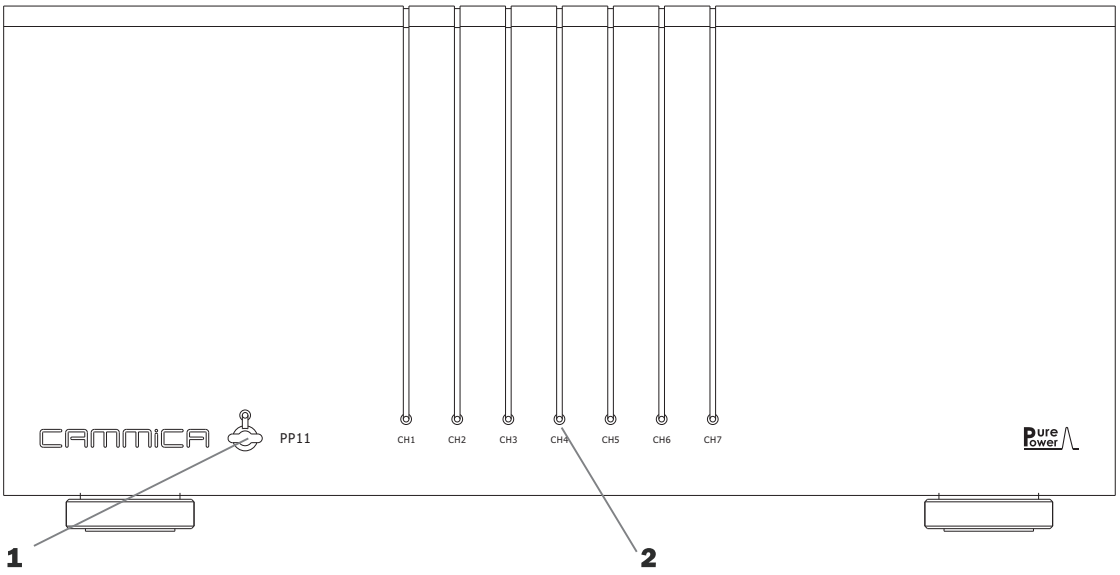
4 Trigger ON/OFF

5 Trigger IN/OUT

6 Power ON/OFF switch

7 Mains IEC socket

Facilities & Connections PP11



1 Power/Standby button and LED's

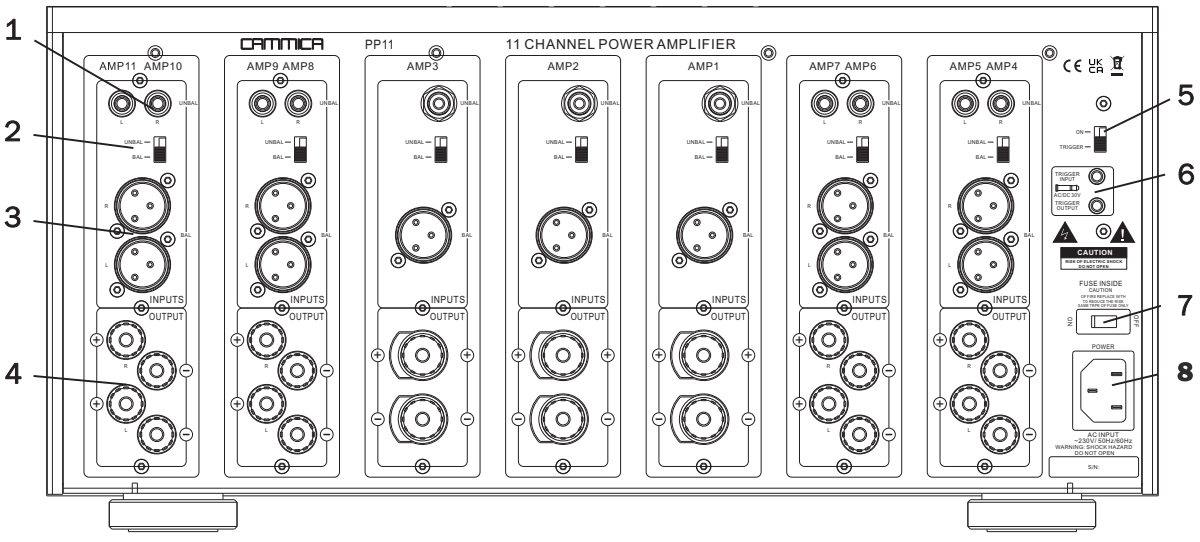
Turns the unit on or off. You can also use the trigger input to automatically turn on your device. It will turn on when an external source provides 5-30V on the trigger input.

2 Status LEDs for each channel

Blue LEDs: device is turned on and ready

Red LEDs: fault condition: Overheated, short circuit, DC on outputs

Dimmed red LEDs: standby mode is active



1 RCA Analogue input

2 RCA/XLR select

3 XLR Balanced input

4 Speaker output

5 Trigger ON/OFF

6 Trigger IN/OUT

7 Power ON/OFF switch

8 Mains IEC socket

Troubleshooting

Problem	Probable Cause	Remedy
No power	Power plug is not inserted into socket correctly.	Plug in securely into unit's IEC socket.
Excessive hum from system speakers.	Audio connector plug not fully pushed in. Cable Fault. Unsuitable Cable (e.g. cable grounds not connected).	Insert plug securely. Check cable is connected at both ends. Some "esoteric" cables have internal wiring intentionally disconnected/modified. For best results on all inputs, please use good quality screened coax; signal and screen directly connected both ends.
Amplifier will not turn on	Power switch not in ON position Power mode switch in wrong position	Check the power switch on the back & put it in ON position Check the power mode switch.

Technical Specifications PP4

Output	
Output power	2x 250W/8 ohms 4x 130W/4 ohms
THD+N	0,003% at 100W power output
Frequency Response	20Hz - 20kHz for 0,5dB
SNR	105dB at 1kHz at 200W power output
Connections	
Line level inputs	4 line level RCA 4 line level XLR (balanced)
Line level outputs	4 line level RCA through outputs
Power requirement	
Mains voltages Consumption	230V/115V Internally set or 100V optional. AC 50/60Hz 1000W, 0,5W standby
Weight	
Unit only, unboxed In shipping carton & inc. accessories	23,75 kgs ca. 30,8 kgs
Unit dimensions	
Wide High, including feet Deep (front to back) including terminals	435 mm 120 mm 445 mm

Technical Specifications PP7

Output	
Output power	7x 250W/4 ohms, 7x 200W/8 ohms
Output power peak	7x 400W/4 ohms, 7x 320W/8 ohms
THD+N	0,003% at 100W power output
Frequency Response	20Hz - 20kHz for 0,5dB
SNR	105dB at 1kHz at 200W power output
Connections	
Line level inputs	7 line level RCA 7 line level XLR (balanced)
Power requirement	
Mains voltages Consumption	230V/115V Internally set or 100V optional. AC 50/60Hz 2800W, 0,5W standby
Weight	
Unit only, unboxed In shipping carton & inc. accessories	36,5 kgs ca. 42,65 kgs
Unit dimensions	
Wide High, including feet Deep (front to back) including terminals	435 mm 212 mm 445 mm

Technical Specifications PP11

Output	
Output power	3x 250W/4 ohms + 8x 125W/4 ohms, 3x 200W/8 ohms + 8x 100W/8 ohms
Output power peak	3x 400W/4 ohms + 8x 200W/4 ohms, 3x 320W/8 ohms + 8x 160W/8 ohms
THD+N	0,003% at 100W power output
Frequency Response	20Hz - 20kHz for 0,5dB
SNR	105dB at 1kHz at 200W power output
Connections	
Line level inputs	11 line level RCA 11 line level XLR (balanced)
Power requirement	
Mains voltages	230V/115V Internally set or 100V optional. AC 50/60Hz
Consumption	2800W, 0,5W standby
Weight	
Unit only, unboxed	36,85 kgs
In shipping carton & inc. accessories	ca. 43,35 kgs
Unit dimensions	
Wide	435 mm
High, including feet	212 mm
Deep (front to back) including terminals	445 mm

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www.cammica.com