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▶ **Primare A33.2 Amplifier User Guide**

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**CAUTION**  
**RISK OF ELECTRIC SHOCK DO NOT OPEN**

CAUTION: To reduce the risk of electrical shock do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

CAUTION: In Canada and the USA, to prevent electric shock, match the wide blade of the plug to the wide slot in the socket and insert the plug fully into the socket.



**ATTENTION**  
**RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR**



The lightning flash with an 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 persons.



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

IMPORTANT SAFETY INSTRUCTIONS

This product is designed and manufactured to meet strict quality and safety standards. However, you should be aware of the following installation and operation precautions.

**1. Take heed of warnings and instructions**

You should read all the safety and operating instructions before operating this appliance. Retain this handbook for future reference and adhere to all warnings in the handbook or on the appliance.

**2. Water and moisture**

The presence of electricity near water can be dangerous. Do not use the appliance near water – for example next to a bathtub, washbowl, kitchen sink, in a wet basement or near a swimming pool, etc.

**3. Object or liquid entry**

Take care that objects do not fall and liquids are not spilled into the enclosure through any openings. Liquid-filled objects such as vases should not be placed on the equipment.

**4. Ventilation**

Do not place the equipment on a bed, sofa, rug or similar soft surface, or in an enclosed bookcase or cabinet, since ventilation may be impeded. We recommend a minimum distance of 50mm around the sides and top of the appliance to provide adequate ventilation.

**5. Heat**

Locate the appliance away from naked flames or heat producing equipment such as radiators, stoves or other appliances (including other amplifiers) that produce heat.

**6. Climate**

The appliance has been designed for use in moderate climates.

**7. Racks and stands**

Only use a rack or stand that is recommended for use with audio equipment. If the equipment is on a portable rack it should be moved with great care, to avoid overturning the combination.

## 8. Cleaning

Unplug the unit from the mains supply before cleaning.

The case should normally only require a wipe with a soft, damp, lintfree cloth. Do not use paint thinners or other chemical solvents for cleaning.

We do not advise the use of furniture cleaning sprays or polishes as they can cause indelible white marks if the unit is subsequently wiped with a damp cloth.

## 9. Power sources

Only connect the appliance to a power supply of the type described in the operating instructions or as marked on the appliance.

This is a Class 1 device and **must** be earthed.

## 10. Power-cord protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, and the point where they exit from the appliance.

## 11. Grounding

Ensure that the grounding means of the appliance is not defeated.

## 12. Power lines

Locate any outdoor antenna/aerial away from power lines.

## 13. Non-use periods

If the unit has a stand-by function, a small amount of current will continue to flow into the equipment in this mode. Unplug the power cord of the appliance from the outlet if left unused for a long period of time.

## 14. Abnormal smell

If an abnormal smell or smoke is detected from the appliance, turn the power off immediately and unplug the unit from the wall outlet. Contact your dealer immediately.

## 15. Servicing

You should not attempt to service the appliance beyond that described in this handbook. All other servicing should be referred to qualified service personnel.

## 16. Damage requiring service

The appliance should be serviced by qualified service personnel when:

- A. the power-supply cord or the plug has been damaged, or
- B. objects have fallen, or liquid has spilled into the appliance, or
- C. the appliance has been exposed to rain, or
- D. the appliance does not appear to operate normally or exhibits a marked change in performance, or
- E. the appliance has been dropped or the enclosure damaged.

## COPYRIGHT AND ACKNOWLEDGMENTS

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# ► Introduction

**Welcome to the Primare A33.2 Amplifier! This chapter introduces you to its key features, and explains how you can take advantage of its impressive power handling and superb sound in your system.**

## WELCOME TO THE A33.2 AMPLIFIER

The A33.2 is a modular power amplifier designed as the ideal output stage in a home theatre or hi-fi system.

### **Modular design**

The A33.2 is designed as two independent blocks, each with a separate transformer and power supply, for the ultimate in stability and channel separation.

### **Generous power handling**

Each section of the A33.2 delivers 120 Watts into  $8\Omega$ , giving sufficient power reserves for home cinema or the reproduction of recorded music. An over-dimensioned heat sink gives excellent thermal dissipation.

### **Superb quality**

The A33.2 delivers its power at an outstanding quality level, making it as suitable for reproducing high quality recorded music as for home cinema.

The A33.2 also provides the option of balanced XLR inputs, for extremely low noise when used in conjunction with a preamplifier that provides balanced outputs.

### **Remote power on/off**

For convenience the A33.2 can be powered on and off via a remote link cable, avoiding the need to switch it on or off separately from the preamplifier in the system.

## USING THE A33.2 WITH OTHER PRIMARE PRODUCTS

Although the A33.2 is flexible enough to act as the output stage in virtually any system, it is ideal for use with other products in the Primare range, such as the Primare SP31 Processor or PRE30 Preamplifier. The A33.2 can be used as a building block in conjunction with the Primare A30.3 and A30.5 to create modular systems with any desired number of matched output stages, and one or more A30 Series amplifiers can be powered on or off remotely from an SP31 or PRE30 using the remote link connections.

## TECHNICAL SPECIFICATION

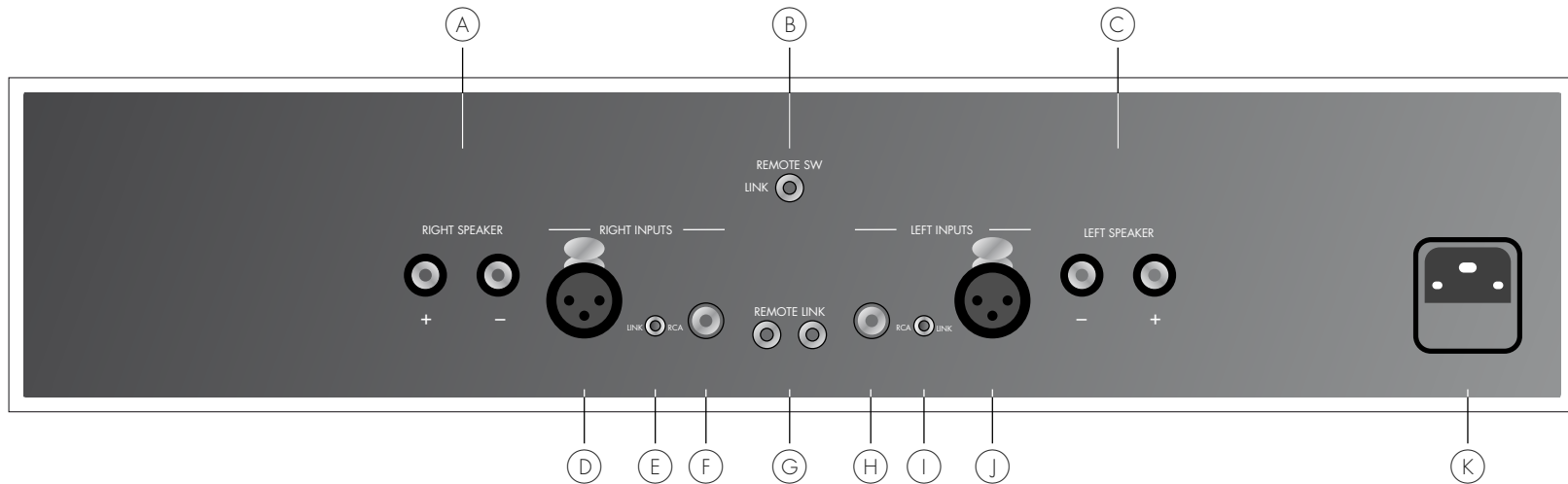
|                                 |   |
|---------------------------------|---|
| <b>Output power per channel</b> | 120W into 8 $\Omega$ , 200W into 4 $\Omega$ |
| <b>Output impedance</b>         | <0.03 $\Omega$                              |
| <b>Line inputs</b>              | 1V for 120W into 8 $\Omega$                 |
| <b>XLR inputs</b>               | 2V for 120W into 8 $\Omega$                 |
| <b>Input impedance</b>          | 11k $\Omega$                                |
| <b>Frequency response</b>       | <10Hz – 100kHz, -3dB                        |
| <b>THD</b>                      | <0.08%                                      |
| <b>Signal-to-noise, line</b>    | -100dB                                      |
| <b>DC trigger voltage</b>       | 4 to 12V                                    |
| <b>Power consumption</b>        | 800W  |
| <b>Dimensions (WxDxH)</b>       | 430 x 385 x 140mm                           |
| <b>Weight</b>                   | 20kg  |



# ▶ Connecting the A33.2 Amplifier

**This chapter explains how to connect the A33.2 to the other components in your system, using the connections on the back panel.**

## BACK PANEL CONNECTIONS



- (A) Right loudspeaker outputs.
- (B) Remote link switch.
- (C) Left loudspeaker outputs.
- (D) Right XLR balanced input.

- (E) Right input selector switch.
- (F) Right RCA input.
- (G) Remote link sockets.
- (H) Left RCA input.

- (I) Left input selector switch.
- (J) Left XLR balanced input.
- (K) Mains power input and fuse.

## POWER CONNECTION

**Warning:** Before connecting power check that the required supply voltage, indicated on the back panel, corresponds to your local AC supply. If a different voltage is stated on the type plate do not connect the amplifier to the mains power, and seek advice from your dealer.

Connect the mains power using the enclosed mains cable.

**Note:** Always disconnect the amplifier from the mains power before connecting or disconnecting any of the cables.

## OUTPUTS

### Loudspeaker outputs

Connect the left and right loudspeakers to the corresponding terminals. The terminals can accept speaker cables terminated with spade terminals, or bare wires. To connect bare wires unscrew the terminal, pass the bare wire through the hole in the terminal bolt, and clamp the wire in place by screwing the terminal back down.

## INPUTS

Connect the A33.2 to the preamplifier or processor using either the left and right RCA inputs, or the left and right XLR inputs, and put the input selector switches in the appropriate positions. If you are using the RCA inputs use high quality stereo RCA leads. If you are using the XLR inputs use balanced XLR cables.

## REMOTE LINK

To power the A33.2 on and off remotely from a Primare SP31 Processor or PRE30 Preamplifier connect the REMOTE output from the processor/ preamplifier to one of the REMOTE LINK sockets on the A33.2, using a twin core cable terminated in 3.5mm jack plugs. The second REMOTE LINK socket can be used to daisy-chain the remote output to further A30 series amplifiers.

To use the remote link switch the REMOTE SW switch to the LINK position.

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