
▶ **Primare A31.2 Amplifier User Guide**

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Warning: To prevent fire or shock hazard, do not expose this unit to rain or moisture.

Dangerous voltages inside. Do not open the cabinet. There are no user serviceable parts inside. Repairs should be carried out by qualified service personnel only.

FCC Warning: This equipment generates and can radiate radio frequency energy and if not installed and used correctly in accordance with our instructions may cause interference to radio communications or radio and television reception. It has been type-tested and complies with the limits set out in Subpart J, Part 15 of FCC rules for a Class B computing device. These limits are intended to provide reasonable protection against such interference in home installations.

EEC: This product has been designed and type-tested to comply with the limits set out in EN55013 and EN55020.

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► Introduction

Welcome to the Primare A31.2 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 A31.2 AMPLIFIER

The A31.2 is a modular power amplifier designed as the ideal output stage in a home theatre or hi-fi system.

Modular design

The A31.2 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 A31.2 delivers 120 Watts into 8Ω , 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 A31.2 delivers its power at an outstanding quality level, making it as suitable for reproducing high quality recorded music as for home cinema.

The A31.2 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 A31.2 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 A31.2 WITH OTHER PRIMARE PRODUCTS

Although the A31.2 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 P30 Processor. The A31.2 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 a P30 using the remote link connections.

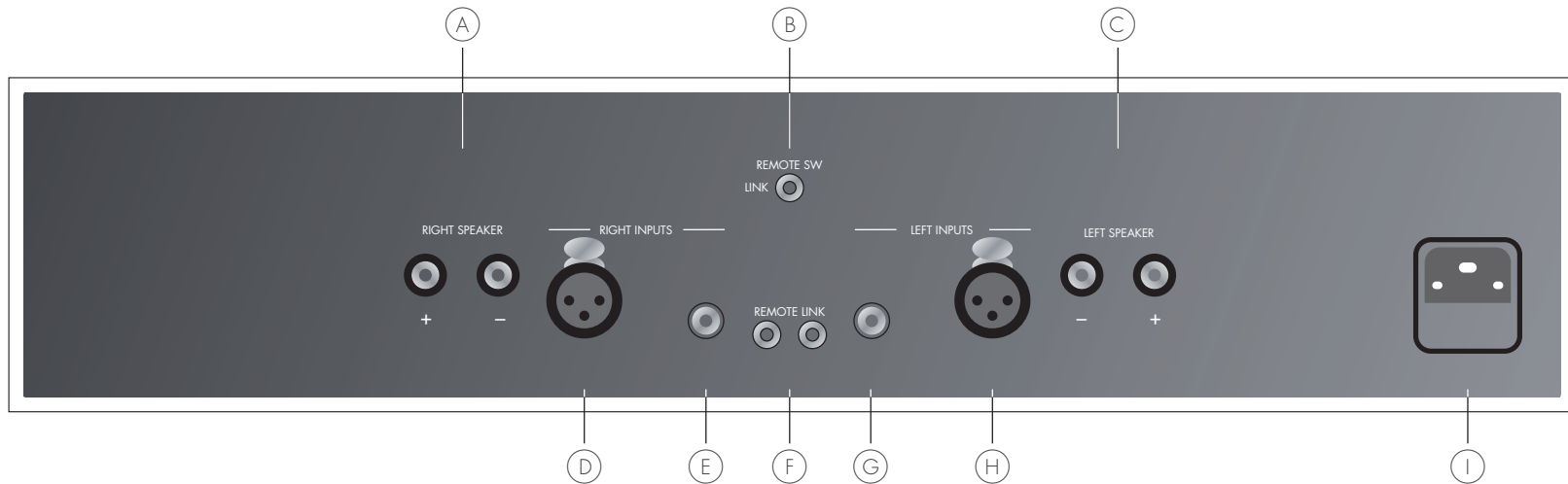
TECHNICAL SPECIFICATION

Output power per channel	120W into 8 Ω , 200W into 4 Ω
Output impedance	<0.03 Ω
Line inputs	1V for 120W into 8 Ω
XLR inputs	2V for 120W into 8 Ω
Input impedance	11k Ω
Frequency response	<10Hz – 100kHz, -3dB
THD	<0.08%
Signal-to-noise, line	-100dB
Power consumption	800W
Dimensions (WxDxH)	430 x 385 x 100mm
Weight	16kg

▶ Connecting the A31.2 Amplifier

This chapter explains how to connect the A31.2 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 phono input.

(F) Remote link sockets.

(G) Left phono input.

(H) Left XLR balanced input.

(I) 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 4mm banana plugs, 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 A31.2 to the preamplifier or processor using either the left and right phono inputs, or the left and right XLR inputs. If you are using the phono inputs use high quality stereo phono leads. If you are using the XLR inputs use balanced XLR cables.

REMOTE LINK

To power the A31.2 on and off remotely from a Primare P30 Processor connect the REMOTE output from the P30 Processor to one of the REMOTE LINK sockets on the A31.2, 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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