▶ # Primare A30.5 Amplifier User Guide

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Primare is a trademark of Primare Systems AB. All other product names are trademarks or registered trademarks of their respective owners.

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.

The A30.5 is extremely heavy. Do not attempt to lift it unaided.

Do not cover, or partially cover, the cooling vents. Place the unit on a hard, flat surface to ensure air circulation on all sides. Do not place the unit on carpet or other very soft materials since this might block the bottom vents.

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.

This guide was produced by Human-Computer Interface Ltd, http://www.interface.co.uk

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▶ Introduction

> **Welcome to the Primare A30.5 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 A30.5 AMPLIFIER

The A30.5 is a modular power amplifier designed as the ideal output stage in a home theatre system.

Modular design

The A30.5 is designed as five 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 A30.5 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 A30.5 delivers its power at an outstanding quality level, making it as suitable for reproducing high quality recorded music as for home cinema.

Remote power on/off

For convenience the A30.5 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 A30.5 WITH OTHER PRIMARE PRODUCTS

Although the A30.5 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 A30.5 can be used as a building block in conjunction with the Primare A30.2 and A30.3 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.
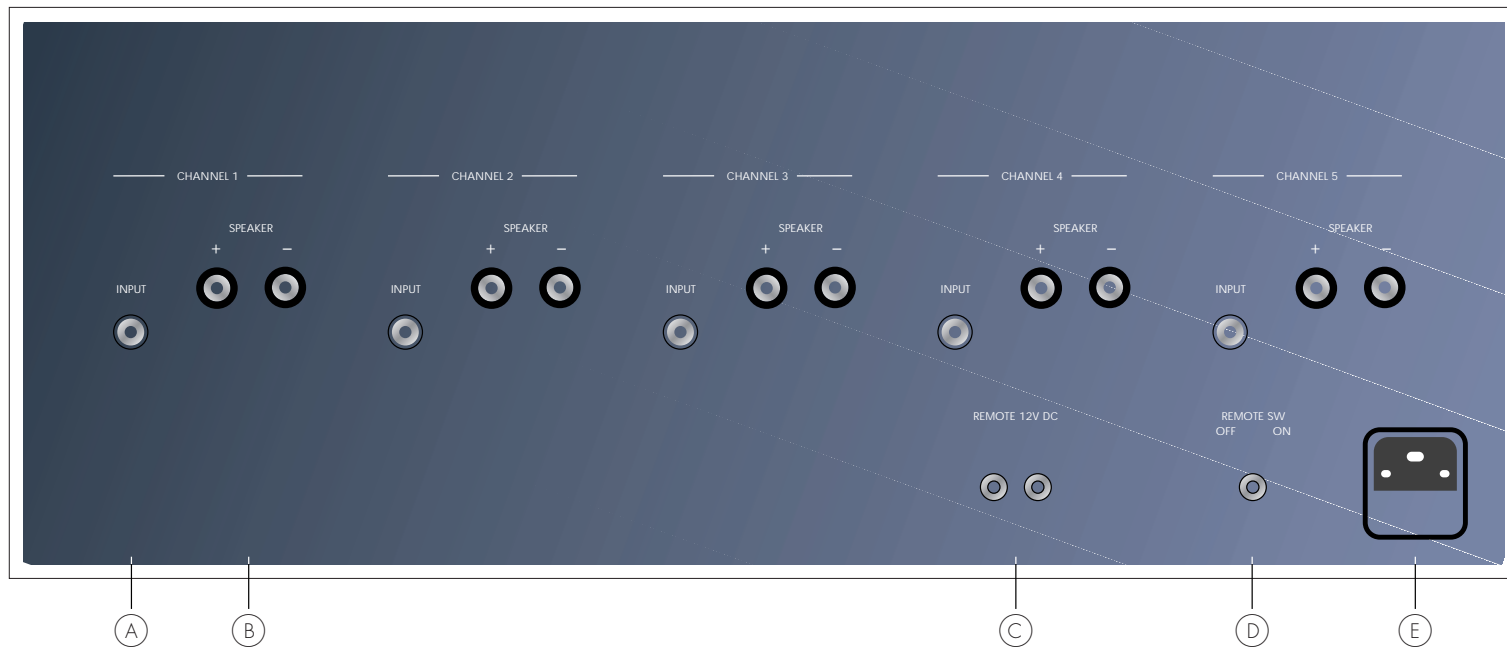
TECHNICAL SPECIFICATION

Output power per channel	120W into 8Ω, 200W into 4Ω
Output impedance	<0.03Ω
Line inputs	1V for 120W into 8Ω
Input impedance	10kΩ
Frequency response	<10Hz – 80kHz, -3dB
THD	<0.08% (1kHz 10V in 8Ω)
Signal-to-noise	<100dB
DC offset	<5mV
Power consumption	Standby 0W
Dimensions (WxDxH)	430 x 385 x 175mm
Weight	28kg

Connecting the A30.5 Amplifier

This chapter explains how to connect the A30.5 to the other components in your system, using the connections on the back panel.

BACK PANEL CONNECTIONS

CHANNEL 1 — SPEAKER + − INPUT
CHANNEL 2 — SPEAKER + − INPUT
CHANNEL 3 — SPEAKER + − INPUT
CHANNEL 4 — SPEAKER + − INPUT
CHANNEL 5 — SPEAKER + − INPUT

REMOTE 12V DC

REMOTE SW
OFF   ON

A   B   C   D   E

(A) Phono input.

(B) Loudspeaker outputs.

(C) Remote link sockets.

(D) Remote link switch.

(E) 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.

Switching on

The mains switch is on the base plate at the front, to the left under the front plate. After the switch is activated, the indicator on the front panel lights up green.

OUTPUTS

Loudspeaker outputs

Connect the loudspeakers for each channel 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 A30.5 to each channel of the preamplifier or processor using the corresponding phono inputs, using high quality phono leads.

REMOTE LINK

To power the A30.5 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 A30.5, 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.

Note: Ensure that the P30 is switched off before connecting it to the A30.5 with a remote link cable.

To use the remote link, switch the REMOTE SW switch to the ON position.

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