

A30.7

P R I M A R E

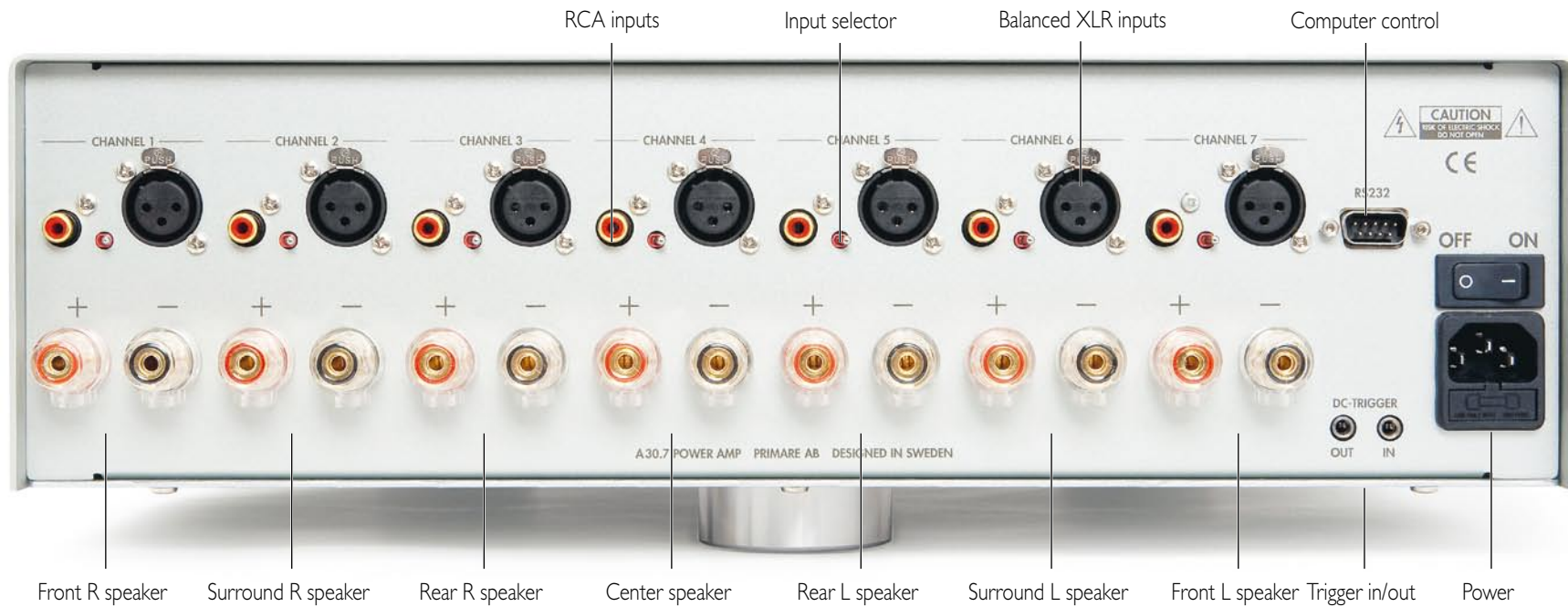
SEVEN CHANNEL
POWER AMPLIFIER

USER GUIDE



WELCOME!

Welcome to the Primare A30.7 Amplifier! The A30.7 is a seven-channel modular power amplifier designed as the ideal output stage in a home theatre or hi-fi system.



GETTING STARTED

Set up your A30.7 in four simple steps:

1 UNPACK THE A30.7

Your A30.7 is supplied with the following component:

- Mains cable.

If this is missing please contact your supplier: We recommend you retain the packaging in case you need to transport the unit at a later date.

2 CONNECT SPEAKERS

The A30.7 is designed to be connected directly to up to seven loudspeakers.

- For best performance, when using the A30.7 in a surround system connect your speakers as shown opposite.

The terminals can accept speaker cables terminated with spade terminals, banana plugs, or bare wires.

For the best sound quality connect the red wire from each speaker to the red terminal marked + and the black wire from each speaker to the black terminal marked –.

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 hand tight.

3 CONNECT INPUTS

- Connect the A30.7 to each channel of the preamplifier or processor using either the unbalanced RCA input, or the balanced XLR input, as appropriate.

- Put the input selector switch in the appropriate position for each channel.

If you are using the RCA inputs use high quality stereo RCA leads.

If you are using the XLR inputs use balanced XLR cables.

4 CONNECT POWER

Connect the power connector on the back panel to your power outlet using the mains cable supplied with the A30.7.

If this cable is not suitable for your power outlets please contact your supplier for an alternative cable.



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.



WARNING: Always disconnect the A30.7 from the mains power before connecting or disconnecting any cables.

TECHNICAL SPECIFICATION

FEATURES

Ultra Fast Power Device (UFPD) Class-D Amplifier

26dB constant loop gain in the entire audio range

Power Factor Control (PFC) power supply

OUTPUTS

Power

7 x 150W / 8Ω all channels driven

Impedance

0.3Ω at 1kHz

Protection

Current limiting

INPUTS

Unbalanced inputs

7 RCA, 15kΩ impedance.

Balanced inputs

7 XLR, 3.7kΩ impedance.

PERFORMANCE

Gain

26dB

Frequency response

20Hz-20kHz, -0.1dB

THD

<0.009%, 1kHz, 100W, 8Ω

Signal to noise ratio

20Hz-20kHz unweighted 94dB

GENERAL

Control

1 x 12V trigger input

1 x 12V trigger output

1 x RS232

Power supply

90V -5% to 240V +5%

Power consumption

Idle: 48W

Standby: 0.3W

Size

430 x 397 x 142mm (WxDxH)

Weight

13kg

Colour

Black or titanium

ADDITIONAL INFORMATION

RS232 AND TRIGGERS

The RS232 input allows you to connect the A30.7 to a controller system. For more information please contact Primare or visit www.primare.net.

The Trigger input allows the A30.7 to be switched on by a preamplifier or processor. The output allows you to daisy-chain the trigger signal to further devices.

CONNECTING A SUBWOOFER

Internally channels 5, 6, and 7 are 180° out of phase compared to channels 1, 2, 3, and 4, which means that the active speaker terminal on channels 5, 6, and 7 is the negative terminal.

This is normally not significant when connecting to standard loudspeakers.

If you are connecting to a subwoofer with "high-level inputs" (also called "speaker level inputs"), note that most subwoofers have their two negative speaker terminals (minus) shorted internally. Connecting one channel from channels 1, 2, 3, or 4 and one from channels 5, 6, or 7 will short the output of the amplifier.

You must therefore arrange the channels so you only use channels 1, 2, 3, or 4 to connect to the subwoofer.

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The information in this guide is believed to be correct as of the date of publication. However, our policy is one of continuous development and so the information is subject to change without notice, and does not represent a commitment on the part of Primare AB.

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

Safety compliance

This product has been designed to meet the IEC 60065 international electrical safety standard.

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN ATTENTION RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

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.

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 & 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.



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.

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, lint-free 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

This appliance must be connected to a mains socket outlet using the supplied power cord. To disconnect this apparatus from power, you must disconnect the power cord. Make sure the power cord is always easily accessible.

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 I device and **must** be earthed.

The power switch is a single-pole switch. When the switch is in the "Off" position, the appliance is not completely disconnected from the main power.

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.

P R I M A R E

THE SOUND AND VISION OF SCANDINAVIA



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