



A35.2 STEREO AMPLIFIER

User Guide



CAUTION

TO REDUCE THE RISK OF FIRE, REPLACE WITH THE SAME TYPE AND RATING OF FUSE.

ATTENTION

UTILISER UN FUSIBLE DE RECHANGE MÊME TYPE.

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



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.

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.

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 1 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.



The CE symbol indicates that this Primare product complies with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community.

The WEEE symbol indicates this Primare product complies with the European Parliament and Council Directive 2002/96/EC concerning Waste Electrical and Electronic Equipment (WEEE). This product must be appropriately recycled or processed in accordance with these directives. Consult your local waste disposal authority for guidance.

The RoHS symbol indicates that Primare products are designed and manufactured to comply with the Restriction of Hazardous Substances (RoHS) as stated in the European Parliament and Council Directive 2002/95/EC.

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CONTENTS

Welcome!	6
Getting Started	7
1 Unpack the A35.2	7
2 Connect speakers	7
3 Connect inputs	7
4 Connect power	7
5 Switch on	7
Automatic standby	7
Back-panel connections	8
Technical specification	9
Amplifier module	9
Power supply	9
Speaker outputs	9
Analogue inputs	9
Performance	9
General	9
Additional information	10
Phase	10
Burn-in	10
RS232	10
Trigger	10
Sense	10
Bridged mode	10
Index	11

WELCOME!

Congratulations on selecting your new A35.2 Stereo Amplifier

This user guide describes the features and explains how to set up the amplifier for the best sound quality and ease of operation in order to allow for the most enjoyable reproduction of sound from all your sources.

For additional support and assistance please contact your local authorized Primare dealer, or visit our website at www.primare.net.



GETTING STARTED

1 Unpack the A35.2

Your A35.2 is supplied with:

- Mains cable
- IR/Trigger cable
- AC Polarity Pen (with batteries)
- Shorting link

If any of these items are 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 A35.2 is designed to be connected directly to a pair of loudspeakers of 8Ω impedance.

- Connect the left and right loudspeakers to the corresponding terminals on the back panel.

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

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.

Advice on positioning your speakers

For best results your speakers should be positioned about 2-3m apart, at least 20cm from the rear wall and at least 50cm from any side wall. The tweeter or high frequency unit in the speaker should be at head height when you are seated, listening to the speaker.

3 Connect inputs

- Connect the A35.2 to the preamplifier or processor using either the left and right RCA inputs, or the left and right XLR inputs.
- 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.

4 Connect power

- Plug one end of the mains cable supplied with the A35.2 into the power connector on the back panel, and connect the other end to a wall socket.

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

Note: See *Phase*, page 10, for information about getting the best sound from your A35.2.



WARNING: Always disconnect the A35.2 from the mains power before connecting or disconnecting any cables.

- Switch on the A35.2, using the switch on the back panel.

The A35.2 will go into standby mode, indicated by the front panel light dimly illuminated.

5 Switch on

- Press the front panel standby switch, in the middle of the Primare logo.

The indicator light will blink for a few seconds before staying on.

If no signal is present for 20 minutes the A35.2 will automatically go into standby to save power.

Automatic standby

By default, if no signal is present for 20 minutes the A35.2 will automatically go into standby to save power.

To disable automatic standby

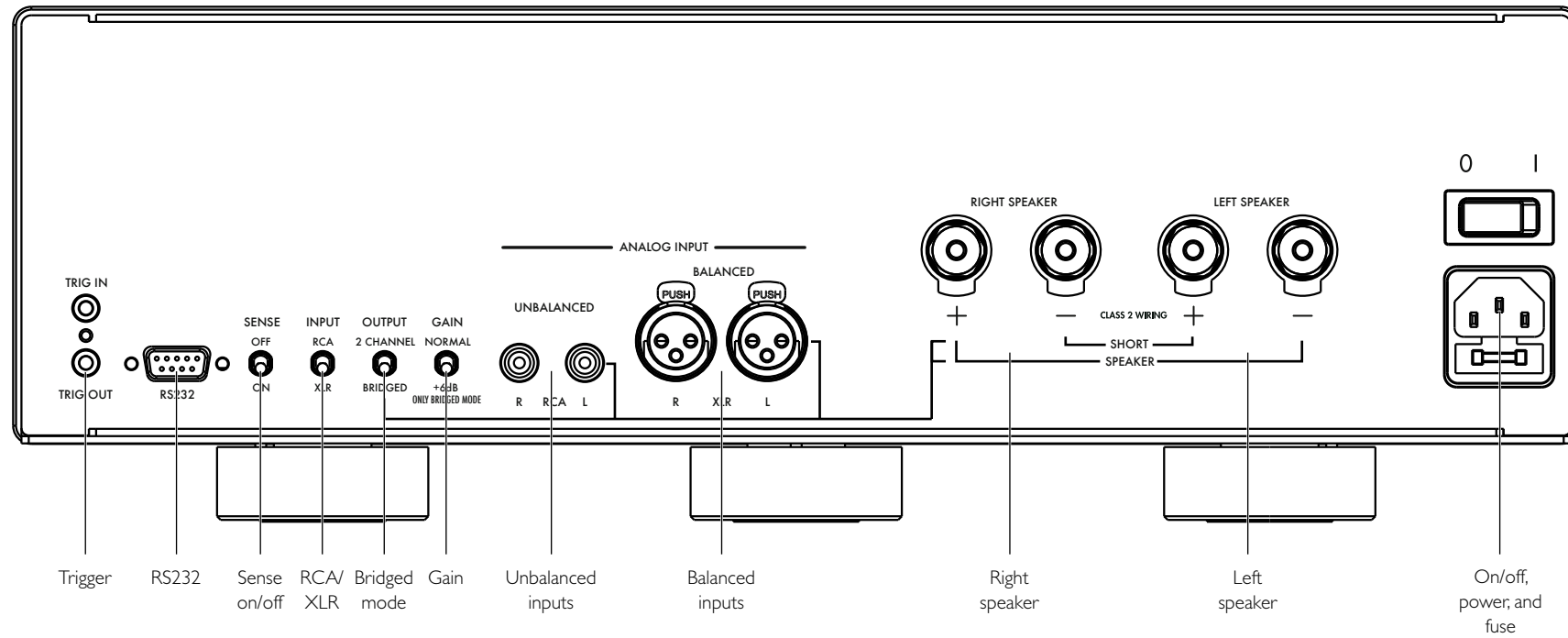
- Press and hold down the front panel button for a few seconds, and release once the indicator light has flashed two times and become steadily illuminated.

To re-enable automatic standby

- Turn the A35.2 off and then on again using the switch on the back panel.

BACK-PANEL CONNECTIONS

The following diagram explains the function of each of the connectors on the back panel:



TECHNICAL SPECIFICATION

Amplifier module

Primare UFPD 2

Power supply

Primare APFC

Speaker outputs

Stereo

2 x 200W into 8Ω, 2 x 400W into 4Ω

Bridged

1 x 800W into 8Ω, 1 x 500W into 4Ω

Analogue inputs

1 x RCA, 15kΩ impedance

1 x XLR, 30kΩ impedance

Performance

Gain

RCA: 26dB

XLR: 20dB

Frequency response

20Hz – 20kHz: -0.2dB

Distortion

THD + N: < 0.008%, 20Hz – 20kHz, 10W at 8Ω

Signal to noise

>110dB

General

Control

Trigger in/out

RS232

Auto Sense: on/off

Input: RCA/XLR

Gain: +6db bridge mode only

Power Consumption

Off: 0W

Standby: <0.4W

Operating: <28W

Dimensions

430 x 400 x 145 mm (w x d x h) with knobs and connectors

430 x 382 x 145 mm (w x d x h) without knobs and connectors

Weight

11.7 kg

Colour

Black or titanium

Note: features and specifications are preliminary and subject to change.

ADDITIONAL INFORMATION

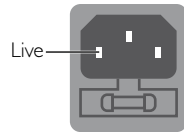
These instructions help you get the best possible sound from your A35.2.

Phase

The phase of the AC supply can make a significant difference to the sound.

Use the Polarity Pen supplied with the A35.2 to verify which pin is live on your AC power cable.

Ensure that the live pin of the AC power cable is connected to the left-hand pin of the power connector, viewed from the back panel:



Burn-in

Your Primare will start to sound best after an initial burn-in of approximately 24 hours.

You will notice a further smaller improvement in sound quality for at least another 3 days' playing.

RS232

The RS232 input allows you to connect the A35.2 to a controller system. Use a twisted (null modem) cable. For more information contact Primare at info@primare.net or visit www.primare.net.

Trigger

For convenience the A35.2 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.

To power the A35.2 on and off remotely from a Primare processor or preamplifier connect the TRIG OUT signal from the processor/preamplifier to the TRIG IN socket on the A35.2, using a twin core cable terminated in 3.5mm jack plugs.

The TRIG OUT socket can be used to daisy-chain the remote output to further A35 series amplifiers.

Sense

The A35.2 includes an Auto Sense feature that will put the amplifier into standby if no signal is received for 20 minutes. The amplifier will automatically come out of standby if an input is sensed.

To enable Auto Sense

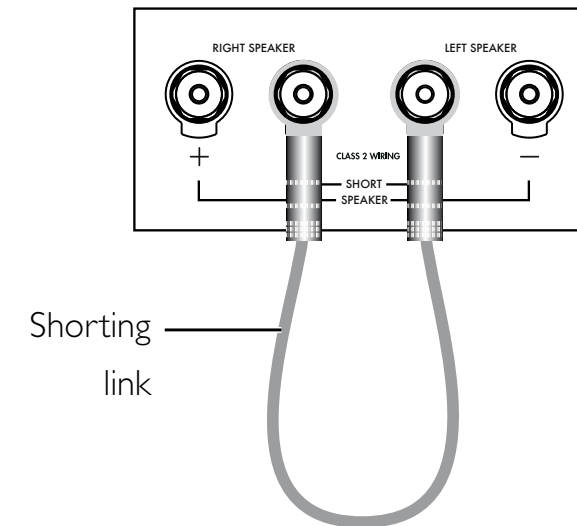
- Switch the SENSE switch to the ON position.

Bridged mode

The A35.2 can be used in Bridged Mode, to give twice the output power to a single loudspeaker.

To configure the A35.2 in Bridged Mode

- Switch off the A35.2 using the switch on the back panel.
- Switch the OUTPUT switch to the BRIDGED position.
- Connect the input signal to the L RCA or XLR input.
- Switch the INPUT switch to RCA or XLR according to which input you are using.
- Connect the loudspeaker between the RIGHT + and LEFT – speaker terminals.
- Connect the supplied shorting link between the RIGHT – and LEFT + speaker terminals:



- Optionally switch the GAIN switch to the +6dB position to give a higher output.

The A35.2 will now operate in Bridged Mode.

INDEX

A

Analogue inputs and outputs 8

Automatic standby 7

B

Back panel 8

Balanced inputs 8

Bridged mode 10

D

DAC module 8

I

Inputs, connecting 7

IR input 8

N

Network module 8

O

Optical inputs 8

P

Phase 10

Power, connecting 7

R

RS232 input 8, 10

S

Sense 10

Shorting link 10

Speakers, connecting 7

Standby, automatic 7

Switching on 7

T

Technical specification 9

Trigger 10

Trigger outputs 8

U

Unbalanced inputs and outputs 8

P R I M A R E

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More information at primare.net

