

R32

P R I M A R E

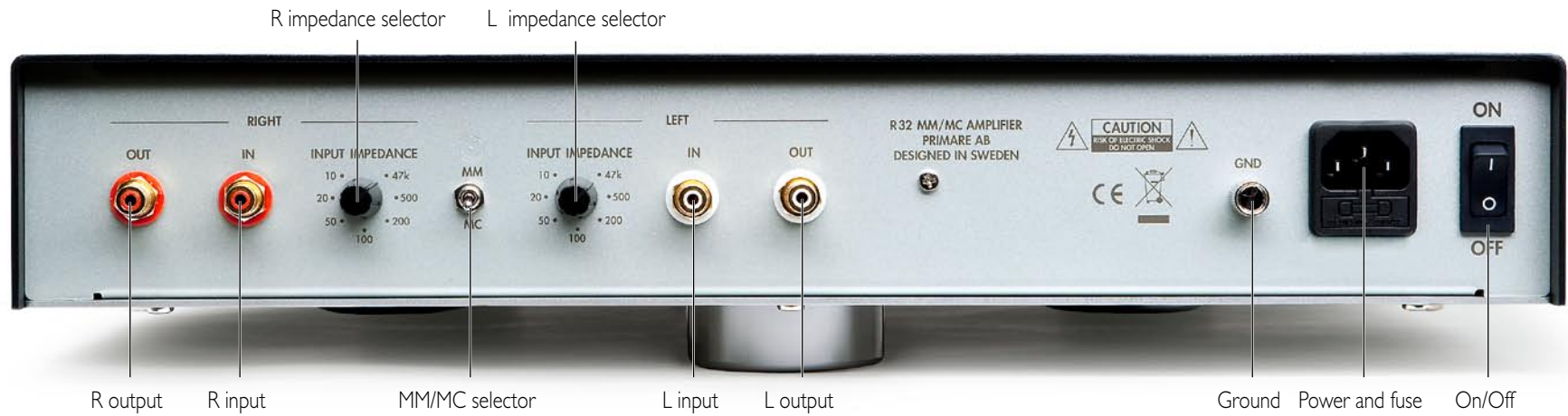
PHONO PREAMPLIFIER

USER GUIDE



WELCOME!

Welcome to the R32 Phono Preamp! The R32 is the ideal interface between the low-level output of an MM/MC cartridge and the line-level inputs of a hi-fi system.



GETTING STARTED

Set up your R32 in four simple steps:

1 UNPACK THE R32

Your R32 is supplied with the following components:

- 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 THE CARTRIDGE

The R32 accepts either a moving-magnet cartridge (gain 41.5dB) or a moving-coil cartridge (gain 62dB).

With a very low output moving-magnet cartridge, an additional 5dB increase in gain is available by fitting an internal jumper inside the unit; see *Additional information*, page 4.

- Set the MM/MC selector to the appropriate position for your cartridge.

The input impedance can be set to the following values to match the cartridge and preamplifier:

10 Ω , 20 Ω , 50 Ω , 100 Ω , 200 Ω , 500 Ω , or 47k Ω

- Set the input impedance selector to the appropriate position for your cartridge.

If none of these options exactly matches the impedance of your cartridge, choose the nearest match that gives the best sound.

- Connect the cartridge to the RCA inputs.

Use high quality stereo RCA leads.

- If the turntable provides a ground connection, connect this to the Ground terminal on the back panel to minimise hum pickup.

3 CONNECT TO A PREAMPLIFIER

- Connect the R32 outputs to the appropriate line-level inputs of a preamplifier or processor.

Use high quality stereo RCA leads.

4 CONNECT POWER

- Connect the power connector on the back panel to your power outlet using the mains cable supplied with the R32.

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

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

After a warm-up delay of 5 seconds the indicator on the front panel lights up showing that the R32 is ready for use.



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 R32 from the mains power before connecting or disconnecting any cables.

TECHNICAL SPECIFICATION

FEATURES

Totally analogue design.

Direct-coupled signal path with a DC-servo to remove any DC offset.

Low-hum R-core audiophile mains transformer.

Relay-controlled mute circuit for silent on/off switching.

OUTPUTS

Type

2 RCA

Impedance

100 Ω

INPUTS

Type

2 RCA

Impedance

Switchable: 10 Ω , 20 Ω , 50 Ω , 100 Ω , 200 Ω , 500 Ω or 47k Ω

PERFORMANCE

Gain

MM 41.5dB, MM with jumper 46.5dB, MC 62dB

THD+N

MM <0.02%, MC <0.05%

Signal to noise ratio

20Hz – 20kHz unweighted
MM -70dB, MC -60dB

GENERAL

Power supply

100V \pm 10%, 120V \pm 10%, or 230V \pm 10%
depending on region.

Power consumption

Operation: 11.5W

Size

430 x 380 x 95mm (WxDxH)

Weight

8.5kg

Colour

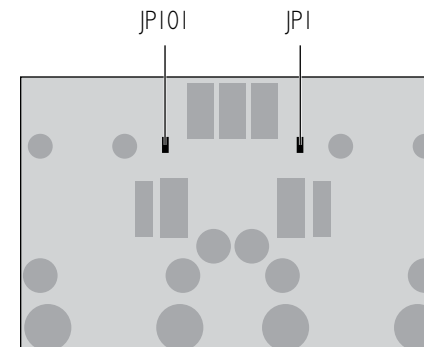
Black or titanium

ADDITIONAL INFORMATION

LOW OUTPUT MOVING-MAGNET CARTRIDGE

For use with a very low output moving-magnet cartridge, the R32 can be adjusted to give an additional 5dB increase in gain.

- Switch off the R32 and disconnect the mains cable.
- Unscrew the screws on the lid of the R32, using an Allen key, and lift off the cover.
- Move the jumpers so they short the links in positions JP101 and JP1 on the circuit board:



- Replace the cover.

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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.

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