
▶ **Primare R20 MM-MC Amplifier User Guide**

COPYRIGHT AND ACKNOWLEDGMENTS

Copyright © 2002 Primare Systems AB. All rights reserved.

Primare Systems AB
Idavägen 17D
SE-352 46 Växjö
Sweden

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 Systems AB.

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

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>

► Contents

Introduction

WELCOME TO THE R20 MM-MC AMPLIFIER.....	①
USING THE R20 WITH OTHER PRIMARE PRODUCTS	①
TECHNICAL SPECIFICATION	①

Connecting the R20 Amplifier

BACK PANEL CONNECTIONS.....	③
POWER CONNECTION.....	④
OUTPUTS	③
INPUTS	③
SETTING UP	④
SWITCHING ON AND OFF.....	④
INCREASING THE GAIN IN MM MODE.....	④

Index

► Introduction

Welcome to the Primare R20 MM-MC Amplifier! This chapter introduces you to its key features, and explains how you can use it to get the best out of your vinyl record collection.

WELCOME TO THE R20 MM-MC AMPLIFIER

If you have a precious collection of recordings on vinyl records, and your system includes a high-quality turntable, tone arm, and pick-up cartridge, the R20 MM-MC Amplifier provides the ideal interface between the low-level output provided by the cartridge and the line-level inputs provided by a modern sound system.

Moving-magnet or moving-coil cartridges

The R20 accepts either moving-magnet or moving-coil type cartridges, and the gain and impedance can be adjusted for the optimum match between the cartridge and preamplifier.

An additional increase in gain can be achieved by fitting an internal jumper inside the unit, for use with a very low output moving-magnet cartridge.

USING THE R20 WITH OTHER PRIMARE PRODUCTS

Although the R20 is configured to match line-level inputs of any high-quality preamplifier, it is ideal for use with the Primare A20 or A30.1 Integrated Preamplifiers.

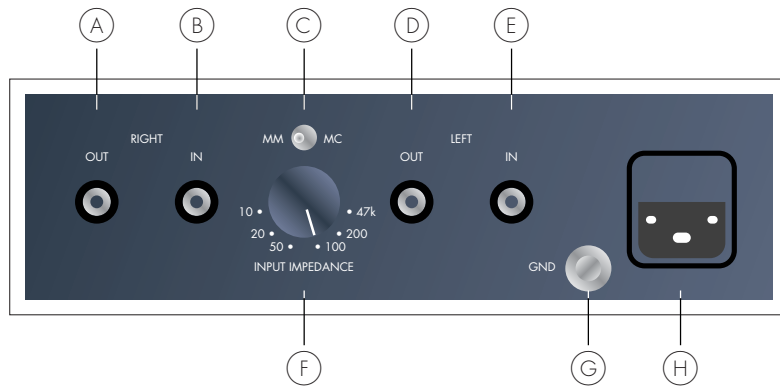
TECHNICAL SPECIFICATION

Gain	MM: 35.5dB, 41.5dB with jumper MC: 54dB
Output impedance	100Ω
RJAA accuracy	±0.2dB, 50Hz – 20kHz
Signal-to-noise	MM: -80dB MC: -75dB
Power consumption	9W
Dimensions (WxDxH)	215 x 275 x 75mm
Weight	4kg

▶ Connecting the R20 MM-MC Amplifier

This chapter explains how to connect the R20 to the other components in your system, using the connections on the back panel.

BACK PANEL CONNECTIONS



- (A) Right output.
- (B) Right input.
- (C) Moving-magnet or moving-coil selection.
- (D) Left output.
- (E) Left input.
- (F) Input impedance selection.
- (G) Ground terminal.
- (H) 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 mains power before connecting or disconnecting any of the cables.

OUTPUTS

Connect the R20 to the preamplifier or processor using the left and right phono outputs using high-quality stereo phono leads.

INPUTS

Connect the left and right phono inputs to the cartridge outputs from your turntable. Connect the ground terminal to the ground connection from your turntable.

SETTING UP

To set the input impedance

- Set the INPUT IMPEDANCE switch to the appropriate value; check the specification of your cartridge for the correct setting.

To set the gain

- Set the switch on the back of the panel to MM or MC as appropriate.
With high-output moving-coil cartridges use the MM position.

Jumpers can be fitted internally to increase the gain in MM mode as described below.

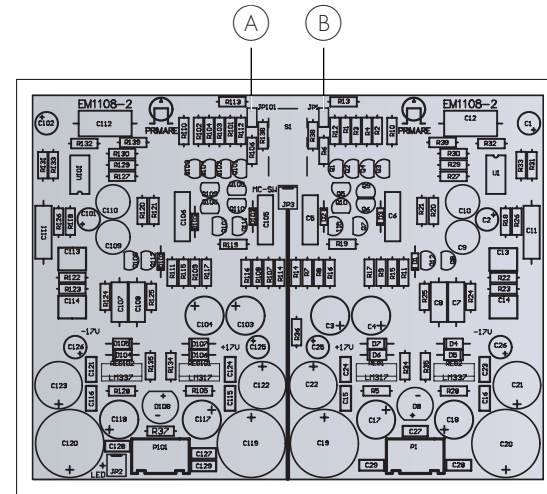
SWITCHING ON AND OFF

To switch on

- Use the switch under the left-hand edge of the front panel.

INCREASING THE GAIN IN MM MODE

- Fit shorting links in positions (A) and (B) on the circuit board:



We recommend that your dealer carry out this operation.

► Index

B

back panel connections 3

C

connections 3

power 3

G

gain 4

increasing 4

I

input impedance, setting 4

inputs 4

M

moving-coil cartridges 1

moving-magnet cartridges 1

O

outputs 3

T

technical specification 1

