

ORACLE AUDIO

THE FINE ART OF PLAYING MUSIC



Oracle Audio Technologies

PH200 Mk III

Phono Preamplifier
Owner's Manual

Foreword

We would first like to thank you, and this from the whole team at Oracle Audio, for purchasing our PH200 Mk III phono preamplifier. We really appreciate your trust in our products.

This is your PH200 Mk III Owner's Manual. The following pages will describe the key features, connectivity and safe operation of your new phono preamplifier. Although some operations are self-explanatory, we strongly suggest you read this booklet to better understand the importance of the different key adjustments.

For your records

PH200 Mk III serial number: _____

Dealer's Name: _____

Dealer's Address: _____

Dealer's phone: _____

Purchase date: _____

We suggest you keep your sales slip together with this owner's guide as it stands as your proof of purchase which is essential for the validation of your warranty.

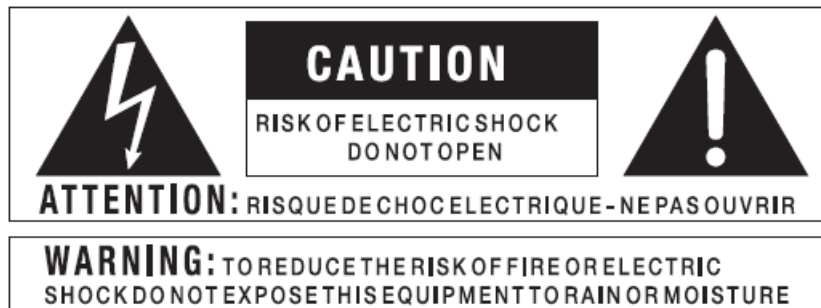


TABLE OF CONTENTS

Foreword / For your Records	2
Table of contents	2
Features	3 & 4
User selectable ground reference, Connection procedure	5
AC Power input	6
Operating Instruction	6
Specifications	6
Warranty, Warranty registration	7

Features

Inputs / Outputs

There is one “INPUT” and one “OUTPUT” and both come in standard RCA format.

RIAA Equalization

The RIAA circuit is designed by following the true RIAA standard.
The accuracy of the RIAA standard curve is +/- 0.1dB.

Important information

It is imperative to always turn off the PH200 Mk III before making changes to the loading settings and it should even be unplugged from the wall outlet. Turning off the amplifier or setting it on a different input than the one where the phono amplifier is connected is also a good precaution to take.

Switch-selectable gain setting

The PH200 Mk III phono amplifier has 3 gain settings plus one optional setting. The gain must be adapted to match your cartridge's output with the input of your phono amplifier to provide an optimal volume level but also to prevent any overloading which would cause distortion. Those settings are done by selecting the proper switch position as indicated in the diagram on page 4 of this user manual. The different gain levels are 42dB, 52dB or 62dB. We added a header that allows you to use a 2 Ohm resistor to reach a 73dB gain. This can be useful when using a very low output MC cartridge (between 0,35 and 0,5 mv) if the preamplifier or the line stage has insufficient gain.

Switch-selectable load settings

There are 5 different standard load impedance settings. This load is adjusted by selecting the proper switch position as indicated in the diagram on page 4. We added a header that allows you to use a specific value resistor that would be required for your phono cartridge exact loading. You can replace the 1,5k Ohms resistor with the specific resistor value recommended by the phono cartridge manufacturer.

Capacitive charge

The 47k Ohms setting is coupled with a fixed capacitive charge of 150pF. It is possible to add a capacitor to the existing one to reach the exact value required by the phono cable you are using. When using an additional capacitor the switch # 6 must be set at “ON”.

The capacitive charge has no impact on moving coil cartridges.

Gain and Impedance settings

Moving Magnet: The gain setting rocker switch # 3 is set at “ON” to set the gain at 42dB for both for both Right and Left channels. The impedance setting toggle switch # 6 is set at 47k Ohms for both Right and Left channels. All other switches must be set in the “OFF” position.

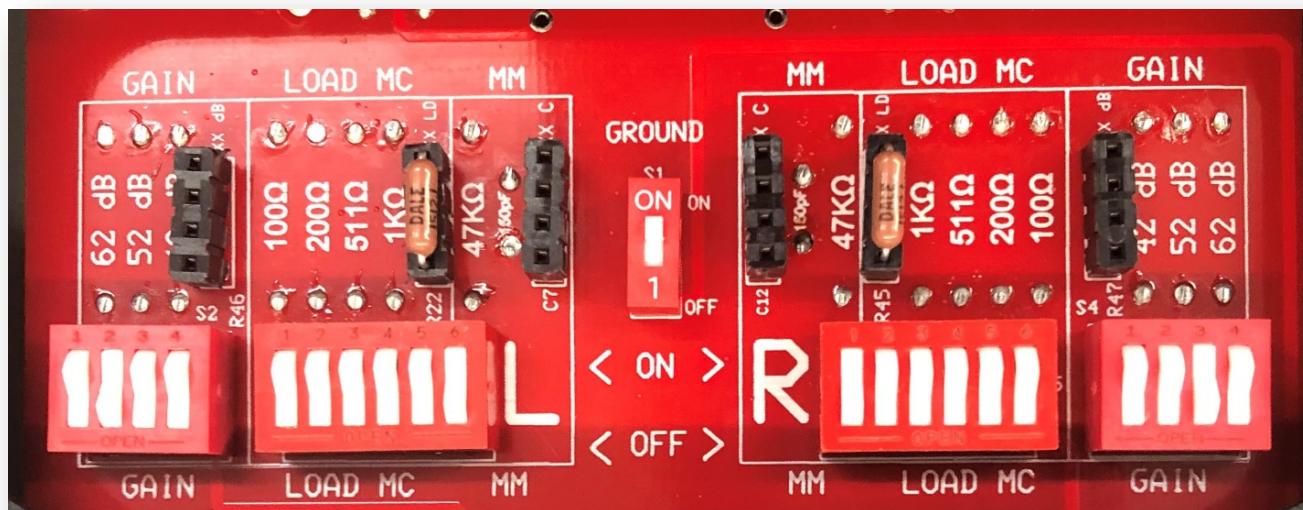
Capacitive option: For fine tuning the capacitive charges it is possible to add a capacitor in addition to the existing 150pf capacitor already in the circuit. When # 6 is in “ON” position the value of the additional capacitor will be added to the 150pf. So if you add 150pf at C7 for the Left channel and C12 for the Right channel the net result will be 300pf capacitance.

Important note: The 2 middle holes of each of the black headers are not connected. **Only the holes at both ends must be used (see the 1.5k Ohms resistor in the picture).**

Moving coil: The 4 position gain setting rocker switch # 1 is set at “ON” to set the gain at 62dB or switch # 2 is set at “ON” to set the gain at 52dB for both the Right and Left channels. For low output **MC** between 0,35 mV to 0.5 mV we suggest using #4 position for a 73dB gain. For **MC** with an output between 0,5mv to 1,5 mV we suggest to use the 62dB gain at #1. For **MC** with an output between 1,5mv to 3,0 mV we suggest to use the 52dB gain at #2 position

Important note 1 : Note only one of the rocker switches should be at the ON position at the time. You can experiment between different gain settings to get a better feel of the comfortable gain range for the phono cartridge you are using.

Important note 2 : The PH 200 Mk III phono amplifier is not designed to operate with phono cartridges under 0,35mV. For **MC**'s with output higher than 3.0mV use the 41.5dB gain of position **R7**.



User-selectable ground reference

The PH200 Mk III features two different user-selectable ground paths to quickly help resolve ground loop issues where a loud humming sound can be heard in the speakers. The PH200 can either have a ground that is referenced to the building's electrical ground through the third pin of the power connector or it can reference the ground to its chassis for a "floating ground" configuration.

- Use the "ON" position on the ground switch when connecting the PH200 Mk III to an amplifier or preamplifier that has a power cord with three pins (with the ground reference set with the building's ground reference).
- Use the "OFF" position when connection the PH200 Mk III to an amplifier or preamplifier that has a two-pin power cord (with the ground reference set as floating).



CONNECTION PROCEDURE



Ground

This knurled connection post is to be linked with your turntable's grounding post. Assuring a good ground is fundamental.

Phono Input

Connect to those RCA connectors the RIGHT / LEFT RCA cable coming from your turntable.

Note : The RCA interconnect cable required for this connection is not included.

Phono Output

Connect to those RCA connectors the RIGHT / LEFT RCA cable to your preamplifier or integrated amplifier.

Important note: The PH200 Mk III must always be connected to an **auxiliary input** on your amplifier or pre-amplifier and **never should it be connected into a phono input !**

AC Power input

Connect the cylindrical DIN plug to the rear of the PH200 Mk III, the electrical cord to the power adaptor and the electrical wall outlet.

Operating Instructions

Operating your sound system should always be done by following an orderly ritual both when turning it ON or OFF. One should always begin by powering up his source components, followed by the powering up of the preamplifier / amplifier section after a moment. Following this procedure will prevent hearing a loud thumping sound generated by source components as they charge up their electronics. Powering down your sound system should always be done by beginning with powering down the amplifier, preamplifier to then finish with the source components.



Your PH200 Mk III is sensitive to the magnetic field generated by amplifier transformers and power cords in proximity. Position it as far as possible to amplifiers and away from power cords. This will prevent this unwanted energy to pollute the signal with noise which thus would lessen the performance of the PH200 Mk III and your musical experience.

Specifications

Frequency response :	20Hz - 20KHz @ +/- 1db
Total Harmonic Distortion :	<0,05% @ 20Hz – 20kHz
Moving Coil input load impedance :	100, 200, 511, 1k, 1.5k and 47k Ohms
Moving Magnet input load impedance :	47k Ohms
MM capacitive load :	150 pico farad
Input sensitivity :	0,35 mV
Gain options :	42db, 52db, 62db, 73dB
Gain selection for MM cartridge :	Must be set at 42 dB & 47k Ohms
Accuracy of the RIAA standard curve :	+/- 0.1db
Signal to noise ratio :	> -80db
Dimensions :	9.5" X 12.25" X 2.25"

Warranty

Your new PH200 Mk III carries a transferable, **3 years** parts and labor limited warranty against operation defects under “**normal use**” or manufacturing defects. Oracle Audio Technologies will repair the defective item within this warranty period. The original bill of sale from an authorized dealer or distributor is required for any warranty repair. If the original bill of sales cannot be shown as a legitimate proof of purchase date then the serial number will be used to determine the ship date from the factory and the warranty coverage will be 2 years and 6 months from the shipping date from the factory.

Explanation of the term “normal use”:

- Using the PH200 Mk III for the application it was designed which is as a phono amplifier.
- The unit has been connected rigorously according the information supplied in the owner’s manual.

Maintenance and service:

Any repair and / or modification done to the PH200 Mk III must be carried by an Oracle Audio authorized service center or directly at the Oracle Audio factory. For more information please contact your dealer, distributor or contact us directly at Oracle Audio. Any repair and / or modification done to your PH200 Mk III without prior authorisation from Oracle Audio will void the warranty.

***We are confident that your new Oracle Audio product will give you
many years of enjoyment and satisfaction***

***You are now ready for the real and only purpose of all this...
to sit down, relax, and enjoy the Fine Art of Playing Music***

***Oracle Audio Technologies Inc
6136 Bertrand Fabi street, Suite 101 / Unit B
Sherbrooke, Quebec, Canada J1N 2P3***

***Phone: 1-819-864-0480 Fax: 1-819-864-9641
e-mail: info@oracle-audio.com
www.oracle-audio.com***

WARRANTY REGISTRATION CARD

PH200-MkIII serial number : _____
Dealer's name: _____
Dealer's address: _____
Dealer's phone number: _____
Your name: _____
Your address: _____
Telephone: _____ E-mail: _____
Date of purchase: _____