



# PHONO PREAMPLIFIER PP 2e

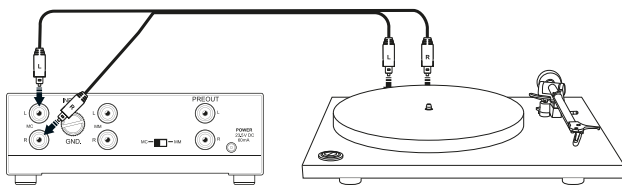
## User Guide



- Low noise, wide band MC/MM phono stage
- Connect your turntable to most amplifiers and receivers
- External 23.5V DC power supply
- Gold plated input sockets
- LED power indicator
- High quality components

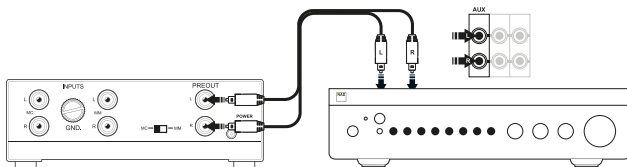
### SETUP

#### A CONNECT TURNTABLE TO PP 2e



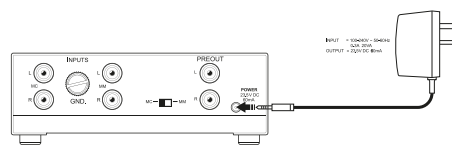
- 1 Ensure all ancillary equipment is turned off and the NAD PP 2e not yet connected to its dedicated power Supply.
- 2 Connect the leads from the turntable to the appropriate input sockets on the back of the NAD PP 2e - MC for moving coil, MM for moving magnet cartridge. Make sure you connect the Right channel to the Right input; the Left channel to the Left input. Normally, red connector denotes the Right Channel; white denotes the Left channel.
- 3 Once the turntable leads are connected, set the MC/MM switch on the back of the NAD PP 2e to the correct input setting.

#### B CONNECT PP 2e TO AN AMPLIFIER OR RECEIVER



- 1 Connect suitable RCA leads from the NAD PP 2e to the amplifier or receiver. Always use a so-called "Line-Level" input such as CD, AUX or DISC. Never connect the lead from the NAD PP 2e to an input marked PHONO or turntable.
- 2 Again, make sure to connect the red plug to the Right channel, and the white plug to the Left channel of the amplifier or receiver.
- 3 If the lead from your turntable is equipped with a separate earth (GND) lead, connect this directly to a ground connection on the NAD PP 2e. Use the thumb screw terminal "GND" which provides the grounding.

#### C CONNECT THE POWER SUPPLY TO THE PP 2e



- 1 Connect the dedicated Plug-in Power Supply to the NAD PP 2e (marked 23.5V).
- 2 Insert the Plug-in Power Supply to a live mains socket; the blue LED on the NAD PP 2e's front panel will light up. Installation is now complete.

As the power consumption of the NAD PP 2e is negligible, it can always be left switched on. It is recommended however that you disconnect the Plug-in Power Supply from the mains if you are not going to use the NAD PP 2e for a prolonged period of time (such as a holiday).

#### D OPERATION

- 1 With setup completed and the NAD PP 2e plugged in to a live mains socket, power up the turntable and the amplifier or receiver the NAD PP 2e was connected.
- 2 Ensure that the amplifier or receiver is set to the source or input where the NAD PP 2e is connected and start playback of a vinyl record in the turntable.
- 3 Adjust the volume level of the amplifier or receiver accordingly.

## TROUBLESHOOTING

Always turn down the volume to a low level or turn off all equipment before checking.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
<b>No sound.</b>	• (LED is not illuminated) Power Supply not connected to either NAD PP 2e or mains socket.	• Plug in dedicated Power Supply.
	• (LED is illuminated) Wrong input on amplifier/receiver selected.	• Select input to which NAD PP 2e is connected. • Check to see if the MM/MC selector switch is set correctly for your type of turntable cartridge (make sure to turn off all equipment beforehand).
	• Plugs from turntable and/or lead from NAD PP 2e to amplifier/receiver sockets not properly fitted.	• Check all connections (make sure to turn off all equipment beforehand).
<b>Sound in one channel only.</b>	• Plugs from turntable and/or lead from NAD PP 2e to amplifier/receiver sockets not properly fitted.	• Check all connections (make sure to turn off all equipment beforehand).
<b>Hum or Buzz noise.</b>	• No connection from turntable to ground.	• Connect the turntable's earth (GND) lead directly to a ground connection or to NAD PP 2e's thumb screw terminal "GND" which provides the grounding.
	• Earth loop present.	• If connected, disconnect turntable's earth lead from amplifier/receiver.
	• Interference from nearby equipment	• Move NAD PP 3i and cables further away from other equipment.

## SPECIFICATIONS

### MM SPECIFICATIONS

Input impedance (R and C)	47 kohms + 200 pF
Gain at 1 kHz	34 dB
Input sensitivity (ref. 200 mV output)	2.5 mV
Signal-to-noise ratio	80 dB (A-weighted, with cartridge connected)
	67 dB (Unweighted, with cartridge connected)
Input overload (20Hz/1kHz/20kHz)	10/102/950 mV
Total Harmonic Distortion	<0.03%
RIAA response accuracy	±0.3 dB

### MC SPECIFICATIONS

Input impedance (R and C)	100 ohms + 180 pF
Gain at 1 kHz	58 dB
Input sensitivity (ref. 200 mV output)	0.3 mV
Signal-to-noise ratio	78 dB (A-weighted, with cartridge connected)
	67 dB (Unweighted, with cartridge connected)
Input overload (20Hz/1kHz/20kHz)	0.8/9/84mV
Total Harmonic Distortion	<0.03% (20 Hz – 20 kHz at 3V output)
RIAA response accuracy	±0.3 dB

### GENERAL SPECIFICATIONS

AC supply	External 23.5V DC
Unit dimensions (W x H x D)	135 x 43 x 72 mm
	5.3 x 1.7 x 2.8 inches

Specifications are subject to change without notice.

For updated documentation and features, please check out [www.NADelectronics.com](http://www.NADelectronics.com) for the latest information about PP 2e.