

NAD

Phono Preamplifier PP 2



- **Low noise, wide band MM & MC phono stage**
- **Connect your turntable to almost all amplifiers and receivers**
- **External 24 volt power supply**
- **Gold plated input sockets**
- **High quality components**
- **LED power indicator**

INSTALLATION & OPERATION OF NAD PP 2

- Please make sure all ancillary equipment is turned off, and that the NAD PP 2 is not yet connected to its dedicated Power Supply.
- Connect the leads from the turntable to the appropriate input sockets; MC for moving coil, MM for movingmagnet cartridge on the back of the PP 2. 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. Once the turntable leads are connected, set the MC/MM switch on the back of the PP 2 to the correct input setting.
- Connect suitable RCA leads from the NAD PP 2 to the amplifier or receiver. Always use a so-called 'Line-Level input, such as CD, AUX, Tuner or Tape. *Never* connect the lead from the NAD PP 2 to an input marked Phono or turntable. 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.
- If the lead from your turntable is equipped with a separate earth (GND) lead, connect this directly to a ground connection on the PP 2. Use the thumb screw terminal "GND" which provides the grounding.
- Connect the dedicated Plug-in Power Supply to the NAD PP 2 (marked 24V).
- Insert the Plug-in Power Supply to a live mains socket; the green LED on the NAD PP 2's front panel will light up.
- Installation is now complete. As the power consumption of the NAD PP 2 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 2 for a prolonged period of time (such as a holiday).

To play a record:

- Ensure that the volume on the amplifier or receiver is set to a low level.
- Select the input on the amplifier or receiver to which the NAD PP 2 is connected, use amplifier or receiver and turntable as normal, set to desired volume level.

Troubleshooting:

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

Problem	Cause	Solution
• No sound	<ul style="list-style-type: none"> • (LED is not lit) Power Supply not connected to either NAD PP 2 or mains socket • (LED is lit) Wrong input on amplifier / receiver selected • Plugs from turntable and / or lead from PP 2 to amplifier / receiver sockets not properly fitted 	<ul style="list-style-type: none"> • Plug in dedicated Power Supply • Select input to which NAD PP 2 is connected • Check all connections (make sure to turn off all equipment beforehand) • 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)
• Sound in one channel only	<ul style="list-style-type: none"> • Plugs from turntable and / or lead from PP 2 to amplifier / receiver sockets not properly fitted 	<ul style="list-style-type: none"> • Check all connections (make sure to turn off all equipment beforehand)
• Hum or Buzz noise	<ul style="list-style-type: none"> • No connection from turntable to ground • Earth loop present • Interference from nearby equipment 	<ul style="list-style-type: none"> • If connected, disconnect turntable's earth lead from amplifier / receiver • Move NAD PP 2 and cables further away from other equipment • 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)

MM SPECIFICATIONS

Input impedance (R and C)	47k Ω + 200pF
Gain at 1 kHz	34dB
Signal to noise (A weighted, with cartridge connected)	80dB
(Unweighted, with cartridge connected)	67dB
Input overload (20Hz/1kHz/20kHz)	10/102/950mV
Rated distortion (THD 20Hz - 20kHz)	0.03%
RIAA response accuracy	+/- 0.3 dB
Dimensions excl. Power supply (W x H x D)	135 x 35 x 70 mm
Input sensitivity (ref. 200 mV output)	2.5mV

MC SPECIFICATIONS

Input impedance (R and C)	100 Ω + 180 pF
Gain at 1kHz	56 dB
Input sensitivity (ref. 200 mV output)	0.3mV
Signal to noise (A weighted, with cartridge connected)	78 dB
(Unweighted, with cartridge connected)	67 dB
Input overload (20Hz/1kHz/20kHz)	0.8/9/84mV
Rated distortion (THD 20Hz - 20kHz)	0.03%
RIAA response accuracy	+/- 0.3dB
Dimensions excl. Power supply (W x H x D)	135 x 35 x 70 mm



NOTE: NAD reserves the right to change specifications or design at any time without notice. All specifications are those in effect at time of printing & packing © NAD Electronics International, a division of Lenbrook Industries Limited. Custom manufactured to NAD specifications in China
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