

# PH 1

Blackline



Please unpack the products carefully and take a moment to read the instructions.



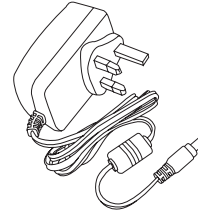
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# Contents

- PH 1 Phono Pre-amplifier



- 1 x Pre-Amplifier



- 1 x Power cable

*Please read the following precautions before attempting to operate the PH 1 pre-amplifier*



All safety and operating instructions should be read thoroughly before attempting to operate this equipment

- Retain Instructions for future reference
- Follow all of the instructions detailed in this manual
- Observe all safety warnings stated in this manual
- This unit should NOT be situated in close proximity to water.
- Avoid placement near bathtubs, sinks, washing machines, etc.
- Avoid exposure to direct sunlight or to extremes of temperature or humidity
- Do not place near direct heat sources such as radiators, stoves, gas fires, naked flames or candles.

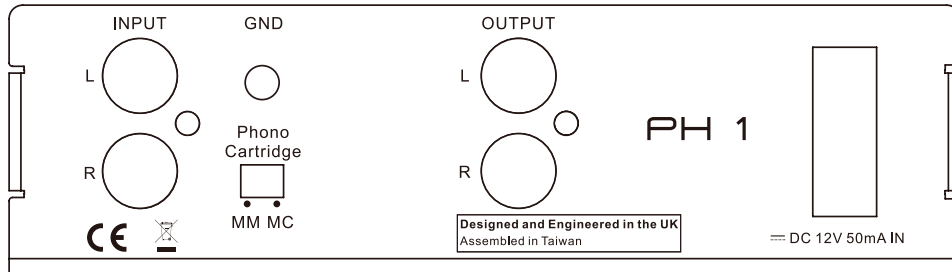
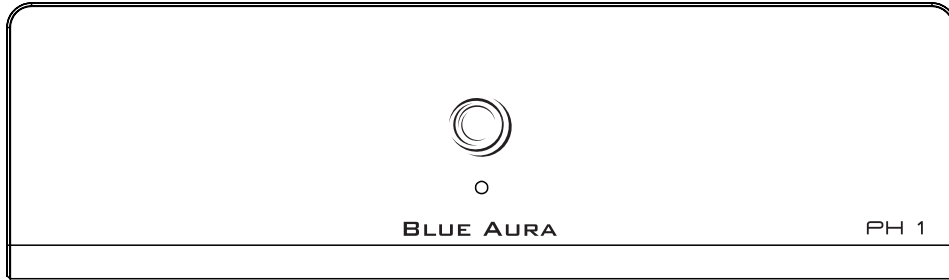
- Ensure that the unit is placed on a clean, dry and flat surface before operation
- Do not drop the unit, apply excessive force to the controls or place heavy objects on top of the unit.
- Do not allow excessive levels of dust to gather on the PH 1
- To clean, use a soft dry cloth. If necessary, use a damp cloth without any solvents
- Ensure that the area in which the unit is situated has adequate ventilation.
- Do not place the PH 1 in a position where its ventilation may become obstructed.
- Avoid placement on beds, sofas, rugs, enclosed bookcases/ cabinets and any other area which may cause interference to the ventilation of the product thus causing it to overheat
- Ensure that the unit is connected to the correct power supply as indicated on the unit.
- Unplug the PH 1 when not in use for a long period.
- Always make sure power cables are placed safely and are not obstructing a walkway.
- To avoid risk of electric shock, do not attempt to remove the cover or the baseplate of the unit. There are no user serviceable parts inside.

- Allow unit to cool completely before cleaning.
  - Do not attempt to clean the product with chemical solvents as this may damage the finish of the PH 1.
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- The PH 1 should be serviced by an authorised service engineer in the event of any of the following circumstances

1. The power supply or cord sustains damage
2. The unit is struck by a falling object
3. The unit is exposed to rain or moisture
4. Liquid is inadvertently spilt on the unit
5. The unit does not seem to operate normally or exhibits a sudden change in performance
6. The unit has been dropped
7. Any unauthorised changes or modifications to this equipment would render the manufacturer's Warranty null and void

# Front & Back Of PH 1



# Making Connection

## **INPUT:**

Using the stereo pair of RCA/Ground Phono cables that connect to your existing Turntable or Record Player, connect the white RCA plug into the white (L) input socket. Then connect the red RCA plug into the red input socket (R).

## **GND - Where available.**

Loosen the GND (Ground) terminal with your fingers and insert the fork connector on the end of your ground wire of your RCA Phono cables from your turntable or record player under the screw terminal. Then tighten the GND terminal securely by hand. Do not use tools as this may overtighten and strip the threads.

If your ground wire does not have a fork connector on the end, simply strip 5mm of insulation off the end of the ground wire and twist the wire strands tightly. You can then wrap the ground wire around the GND terminal and tighten securely. The proper connection of the ground wire is essential to prevent any hum through your sound system.

## **CARTRIDGE TYPE:**

Refer to the instructions or specifications that came with your turntable or record player to determine which cartridge type your player uses.

If your turntable uses a Moving Magnet type cartridge, set the CARTRIDGE TYPE switch to 'MM'.

If your turntable uses a Moving Coil type cartridge, set the CARTRIDGE TYPE switch to 'MC'.

## **OUTPUT:**

Using a stereo pair of high quality standard RCA audio cables, connect the white RCA plug into the white (L) output socket. Then connect the red RCA plug into the red output socket (R).

Then connect the other end of your RCA cables to a suitable Line Input (AUX/CD/TAPE) on your existing Amplifier, Receiver, Mixer or other such music player.



# Troubleshooting

If your PH 1 system fails to operate normally, please check the following points to determine if the fault can be corrected with one of the suggestions below.

If you feel your system is still faulty after reading this, please contact your authorised dealer or Service centre or email [support@blueaura.co.uk](mailto:support@blueaura.co.uk)

<i>FAULT</i>	<i>POSSIBLE CAUSE</i>	<i>SOLUTION</i>
<i>No sound on left, right or both channels.</i>	<i>A loss of connection between your Turntable and the Phono Stage or between the Phono Stage and your Amplifier due to loose connections or damaged cables.</i>	<i>Ensure you have properly connected your RCA and Phono cables. Also check that your cables are not damaged or faulty and replace if required.</i>
<i>Loud humming sound through speakers.</i>	<i>Loose, missing or damaged Ground wire connection.</i>	<i>Ensure your ground wire is properly and securely connected to both your turntable ground terminal and the Phono Stage GND terminal. Replace your ground wire if damaged.</i>
<i>Output sound is either too loud, too quiet or sound is distorting.</i>	<i>MM/MC Switch is incorrectly set.</i>	<i>Check the specifications of the cartridge in use with your turntable and set MM/MC switch accordingly.</i>
<i>Output sound is either too loud, too quiet or sound is distorting.</i>	<i>Incorrect input being used on your Amplifier or Receiver.</i>	<i>Only plug the output of the Phono Stage into a LINE input. Never connect to a Phono input.</i>

# Specifications

	<b>MM</b>	<b>MC</b>
Output Level	2.44V	659 mV
Maximum Input	17.55 mV	>7 mV
Maximum Output	8.7V	>8.52V
Input Impedance	45~56K $\Omega$	80~120 $\Omega$
Output Impedance	110 $\Omega$	110 $\Omega$
Gain (1 KHz)	55 dB	58~62 dB
Distortion (5mV Input)	<0.02%	<0.08%
S/N (A Weighting)	82.8 dB	>64 dB
RIAA Accuracy	$\pm 1$ dB	$\pm 1$ dB
Channel Balance	<0.23 dB	<0.21 dB
Channel Separation	>72 dB	>55 dB
Input Power	12V DC, 1A	
Standby Power Consumption	0.3 Watts Max (115/240V) No Load	
Dimensions	152mm (W) x 49mm (H) x 180mm (D) Including Plugs	
Weight	850g Main Unit Only	

