

TRILOGY
USER MANUAL

906

THANK YOU

Welcome

Firstly, thank you for purchasing your Trilogy Audio Systems 906 Phono Stage, we value your custom.

We strive to design and build world class products that stand the test of time. By reading this manual you can gain clear understanding of its operation and learn to care for it correctly. In turn, it will reward you with a lifetime of outstanding performance.

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CEO Trilogy Audio Systems.
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Introduction

We prefer that your Trilogy dealer delivers, installs, sets up and explains your 906's operation to you. However, we still recommend that you read through this manual thoroughly and keep it to hand for reference.

Should any part of this manual or the operation of the 906 not be clear to you, please do not hesitate to contact your Trilogy dealer. If they are not available please contact ourselves directly.

Unpacking

Be careful when unpacking your Trilogy 906 Phono Stage. Store the packaging safely for future use. It is the ideal method of protecting your 906 from damage during transport.

Environment

Do not site either unit near liquids, or place liquid-filled containers near the unit. If any liquid does come into contact with either unit there is serious potential for an electric shock or fire hazard. Immediately pull out the mains plug from the wall socket. Contact your dealer to arrange an inspection before further use.

The 906 generates a small amount of heat and is cooled by convection. Do not place either unit near sources of heat such as radiators or in direct sunlight. Do not enclose in a cupboard. Do not place directly on carpet.

A flat, smooth surface is required. As with all high resolution audio equipment, your 906 is sensitive to vibration, strong magnetic fields and radio interference. A dedicated high performance equipment platform sited away from other appliances is the optimum location for the phono preamplifier.

The 906 is sensitive to magnetic fields which may degrade performance. Configure the 906 before final placement and connection.

Configuration

It is necessary to configure the 906 for use with your chosen phono cartridge before placing and connecting the 906 to your system. The base of the phono preamplifier provides access to a number of switches for this purpose. The switches are marked 1 to 6 with an “ON” to give indication of directionality. They are independent for each channel and must be set the same for left and right channels.

Your phono cartridge will have an optimum working load which should be provided by the cartridge manufacturer. It is expressed in resistance (R or Ohms) and capacitance (pF or pico Farads). It will also require a specific gain setting depending on its type and output level.

If you cannot obtain this information, or are in any doubt about the configuration procedure, contact your dealer for advice.

To obtain the correct configuration follow the settings given on the tables below. If the exact values specified by your cartridge manufacturer cannot be achieved, select the nearest value available from the table.

IMPORTANT!

If you do make changes to the configuration whilst the unit is powered, mute the connected amplifier to avoid damage to your loudspeakers.

Gain Setting

Set both switches in accordance with the table below to achieve the required gain.

Cartridge Type	Cartridge Output	Switch 1 Position
Moving Magnet (MM)	1.5-5mV	Off
Moving Coil (MC)	0.25-1.5mV	On

Cartridge Loading Settings

Set both switches in accordance with the table below to achieve the required loading.

Capacitance setting:

Capacitance required	Switch 2 Position	Switch 3 Position
100pF	Off	Off
200pF	On	Off
320pF	Off	On
420pF	On	On

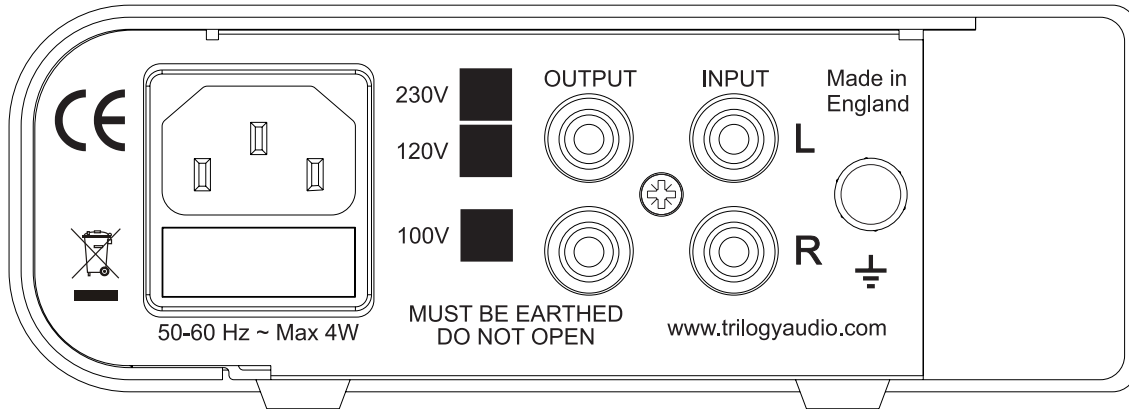
Resistance setting:

Resistance required	Switch 4 Position	Switch 5 Position	Switch 6 Position
47K Ohms	Off	Off	Off
1K Ohms	On	Off	Off
330 Ohms	Off	On	Off
250 Ohms	On	On	Off
100 Ohms	Off	Off	On
70 Ohms	On	On	On

IMPORTANT!

If you do make changes to the configuration whilst the unit is powered, mute the connected amplifier to avoid damage to your loudspeakers.

Trilogy 906 | Rear View



Connections

It is good practice to complete all interconnections before switching on to avoid any damage to your loudspeakers while plugging in. Double check the phono preamplifier's configuration switches before connecting to your system.

The rear panel features 4 RCA phono sockets. Connect the phono plugs from the turntable's cartridge to the left and right sockets marked "INPUT". The 906 outputs should be connected to a suitable preamplifier. Double check left and right channels are connected correctly. If a turntable arm earth connection is provided, it can be connected to the earth binding post adjacent to the sockets. Other arm cable connector types will require an adaptor; seek advice from your Trilogy dealer.

Power Supply

The AC input voltage has been set for the country it was purchased in. Check that the label on the rear panel matches your AC supply voltage before plugging in. The AC inlet cable provided should be used. If another cable is used check it is wired correctly and fused appropriately.

The wires in the AC input cable supplied are coloured in accordance with the following code:

Green and yellow:	Earth
Blue:	Neutral
Brown:	Live

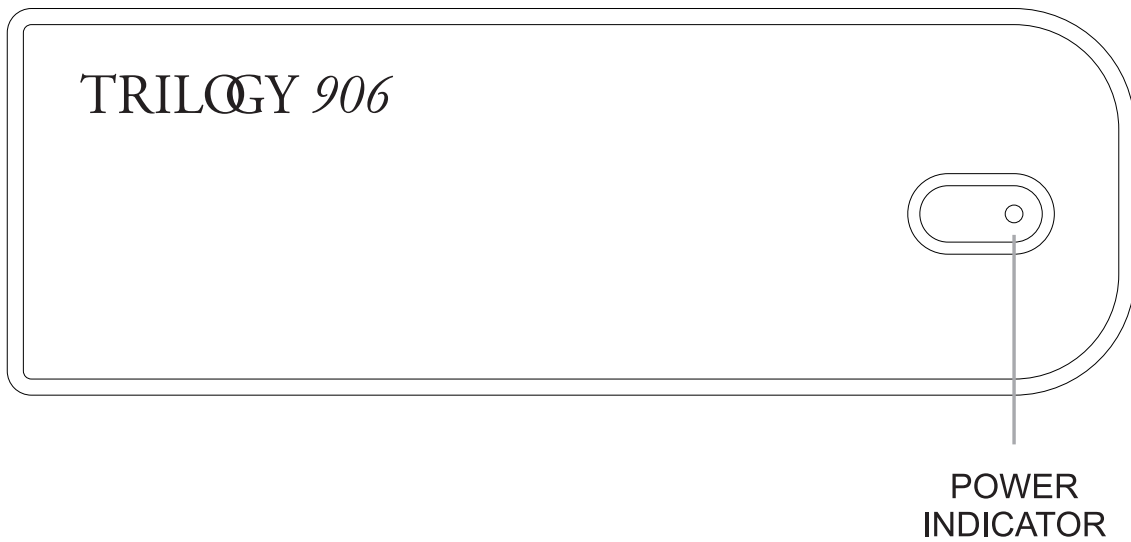
WARNING! The 906 must be earthed. Do not disconnect the AC earth at any time. If in doubt about any aspect of power supply, consult your Trilogy dealer or a qualified electrician.

A direct connection to a mains outlet is best for your amplifier, avoid adapters. To realise your phono preamplifier's full potential we recommend high quality mains conditioning. See www.isol-8.co.uk for more on power supply and system solutions from our highly acclaimed sister company.

The IEC inlet carries a ceramic 20mm fuse. If the unit stops working, check and replace this fuse with one of the same type and value if necessary: 250mA T for 230V version, 500mA T for 100V and 120V versions. If the fuse repeatedly fails, do not use the unit and contact your Trilogy dealer for service.

WARNING! Failure to replace the fuse with the same type and rating will invalidate the warranty and may result in an electric shock and/or fire hazard.

Trilogy 906 | Front View



Operation

IMPORTANT!

When switching the 906 on or off, mute or turn the volume down to minimum on the connected amplifier to avoid damage to your loudspeakers.

Once the 906 has been correctly configured and installed it needs no further attention. The red LED on the front of the phono preamplifier indicates the 906 is on.

As with all high resolution audio equipment, a period of break in is required before the unit will achieve its full performance potential.

As the 906 consumes little power, we recommend leaving it powered permanently for optimum performance.

Cleaning

Dust the unit regularly with a soft cloth or soft brush. For more stubborn marks make sure the unit is switched off and disconnected from the power supply. Use a slightly damp cloth with a very small amount of mild detergent such as washing up liquid. Do not use a wet cloth.

Be careful when cleaning. Never use abrasives or alcohol based agents, they will harm the surface finish. Do not allow the unit to become wet when cleaning.

Servicing

Your 906 has been designed to provide a lifetime of reliable service and should not need servicing if operating normally.

There are no user serviceable parts inside. Do not open or attempt to repair the unit. Refer to your authorised Trilogy dealer for repair if necessary.

Declarations

This product is guaranteed against defects in material and workmanship for 3 years from the date of purchase. Proof of purchase is required.

The Guarantee is not transferable and is offered to the original purchaser only. This guarantee does not limit your statutory rights within the country of purchase.

Failure to comply with any of the above instructions during installation or operation will render the manufacturer's warranty null and void.

Marking by the "CE" symbol (shown left) indicates compliance of this device with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community

The 906 has been tested to ensure that its operation is not adversely affected by normal background levels of radio frequency interference, and that it does not itself generate excessive amounts of radio frequency energy.

If your 906 exhibits sensitivity to nearby radio frequency devices or is suspected of affecting another device, increase the distance between them. If the problem persists, consult your Trilogy dealer.

Glossary

AC	Alternating current: The electrical polarity reverses over time. Used mostly for high voltage power transmission such as mains.	Gain	The ability of a circuit to increase the power or amplitude of a signal from the input to the output.
Burn In	Period of time which a new assembly takes to reach mechanical and electrical equilibrium.	Magnetic Field	An expression of electromagnetism. When current flows in a conductor a magnetic field is generated in proportion; just as when a conductor is immersed in a changing magnetic field, a current will flow in the conductor.
Cartridge Loading	The electrical termination the phono cartridge "sees" when connected.	Resistance	The degree to which an element opposes an electric current through it.
Capacitance	The ability to hold an electrical charge, resulting in decreasing impedance with frequency.	Shunt Voltage Regulator	A circuit which provides a constant voltage for a load using a constant current source to provide the current and a control element that regulates the voltage across the load.
DC	Direct current: The electrical polarity is constant. Used mostly for powering active circuits.	Series Voltage Regulator	A circuit which provides a constant voltage for a load using a control element in line with the power rail and the load.

Specifications

Size	140 x 220 x 48 (W x D x H)	Input Capacitance	100pF (user adjustable)
Size incl. Connectors	140 x 230 x 48 (W x D x H)	Gain	40dB MM 60dB MC (user adjustable)
Weight	1.7Kg	Frequency response (to RIAA curve)	20-20KHz +/- 0.25dB
Power Consumption	4 Watts	Output impedance	150 Ohms
Inputs	2 RCA phono sockets	Phase	Phase correct (non inverting)
Input Impedance	47K (user adjustable)		

SPECIFICATION SUBJECT TO CHANGE

Returns

Should it be necessary for your 906 to be serviced, please send it in the original packaging to your dealer. If this is not possible please contact us directly and request a Return Authorisation Number. Please mark this RAN number on the outer packaging in the space provided.

Please do not send products back to us without this number as we will not accept liability for the product. If a product is not returned to us in its original packaging, after servicing we will return it, in Trilogy packaging and a nominal charge will be made.

Disposal and recycling

At the end of the 906s working life it must be disposed of correctly, it is made to the highest standards with materials which can be recycled wherever possible. Do not dispose to landfill, contact your dealer or Trilogy for information regarding return for correct disposal.

Whilst the information given in this document is correct at the time of printing, small production changes in the course of our Company's policy of improvement through continued research and development might not necessarily be indicated in the specification.

If clarification of any point or specification is required, please refer to your Trilogy dealer.

We welcome your feedback, whether positive or negative, to help us further refine our products.

Please write to; Trilogy Audio Systems, PO Box 56402, London SE3 7WQ, United Kingdom
Or email; user@trilogyaudio.com
Please visit our web site; www.trilogyaudio.com

Acknowledgements

Many people have worked to bring the 906 to you, and I would like to take this opportunity to thank Emeka Chigbu, Nigel Crump, and Simon Dart for their dedication to this project.

Nic Poulson.

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TRILOGY



Designed & Manufactured in London, England.