

TRILOGY

907

User Manual

THANK YOU

Welcome

Firstly, thank you for purchasing your Trilogy Audio Systems 907 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.



.....

Nic Poulson.
CEO Trilogy Audio Systems.
www.trilogyaudio.com



CONTENTS

Getting Started

- 4 Introduction
- 4 About this manual
- 5 Unpacking
- 5 Environment
- 7 Configuration
 - 7 Gain Setting
- 9 Cartridge Loading Settings
 - 9 Capacitance setting
 - 9 Resistance setting
- 11 Connections
- 13 Power Supply
- 15 Operation

Care & Service

- 17 Cleaning
- 17 Servicing
- 17 Declarations

Glossary

- 18 Glossary

Specifications>Returns

- 19 907 Specifications
- 19 Returns

Acknowledgements

- 20 Acknowledgements





Introduction

We prefer that your Trilogy dealer delivers, installs, sets up and explains your 907'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 907 not be clear to you, please do not hesitate to contact your Trilogy dealer. If this is not convenient, please contact ourselves directly.

About this manual

From this point on, any information presented on the left hand pages are pictorial representations of the 907. The left hand pages can be considered as additional information to accompany the written descriptions on the opposite pages.

Unpacking

Be careful when unpacking your Trilogy 907, it supplied in two parts:

1. Phono Preamplifier in the solid aluminium case with captive power input cable.
2. Series 900 choke input Power Supply.

Store the packaging safely for future use. It is the ideal method of protecting your investment from damage during transport.

Environment

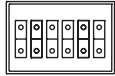
Do not site either unit near liquids, or place liquid-filled containers near the unit. **If any liquid does come into contact with either unit there is serious potential for an electric shock or fire hazard. Immediately pull out the mains plug from the wall socket. Contact your dealer to arrange an inspection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

The 907 generates some heat and is cooled by convection. It needs good circulation of room temperature air under and around it. 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 907 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 Power Supply should be sited a minimum distance of 250mm from the Phono Preamplifier. The Phono Preamplifier is sensitive to magnetic fields which may degrade performance. Configure the Phono Preamplifier before final placement and connection.

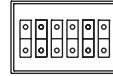




ON
OFF



ON
OFF



RIGHT CHANNEL

☞ ☞ ☞ ☞ ☞ ☞

LEFT CHANNEL

CARTRIDGE LOADING



GAIN



GAIN



GAIN 1



GAIN 2



GAIN 3

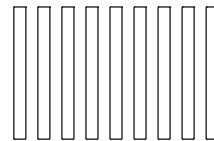
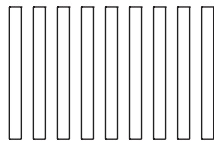


IMPORTANT!

MUTE AMPLIFIER BEFORE POWER ON/OFF.
MUTE AMPLIFIER BEFORE CHANGING CONFIGURATION.
SWITCHES MUST BE SET THE SAME FOR BOTH CHANNELS.

TRILOGY 907

MC / MM PHONO STAGE



Designed and manufactured in England

www.trilogyaudio.com



Configuration

It is necessary to configure the 907 for use with your chosen phono cartridge before placing and connecting the 907 to your system. The base of the Phono Preamplifier provides access to a number of switches for this purpose.

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!

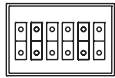
If you do make changes to the configuration whilst the unit is powered, mute the connected amplifier to avoid damage to your loudspeakers.

Gain Setting

These switches are independent for each channel and must be set the same for left and right channels. Follow the map on the unit's base in conjunction with the table below to achieve the required gain.

| Cartridge Type | Cartridge Output | Gain Position |
|--------------------|------------------|---------------|
| Moving Magnet (MM) | 3-5mV | GAIN 1 |
| Moving Coil (MC) | 0.7-1.5mV | GAIN 2 |
| Moving Coil (MC) | 0.25-0.7mV | GAIN 3 |

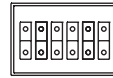




ON
OFF



ON
OFF



RIGHT CHANNEL

☐ ☐ ☐ ☐ ☐ ☐

LEFT CHANNEL

CARTRIDGE LOADING



GAIN



GAIN



GAIN 1



GAIN 2



GAIN 3

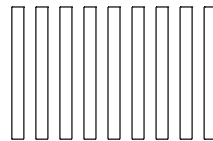
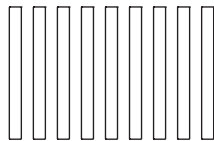


IMPORTANT!

MUTE AMPLIFIER BEFORE POWER ON/OFF.
MUTE AMPLIFIER BEFORE CHANGING CONFIGURATION.
SWITCHES MUST BE SET THE SAME FOR BOTH CHANNELS.

TRILOGY 907

MC / MM PHONO STAGE



Designed and manufactured in England

www.trilogyaudio.com



Cartridge Loading Settings

These switches are independent for each channel and must be set the same for left and right channels. Follow the map on the unit's base in conjunction with the tables below to achieve the required loading.

Capacitance setting:

| Capacitance required | C1 Position | C2 Position |
|----------------------|-------------|-------------|
| 100pF | Off | Off |
| 200pF | On | Off |
| 320pF | Off | On |
| 420pF | On | On |

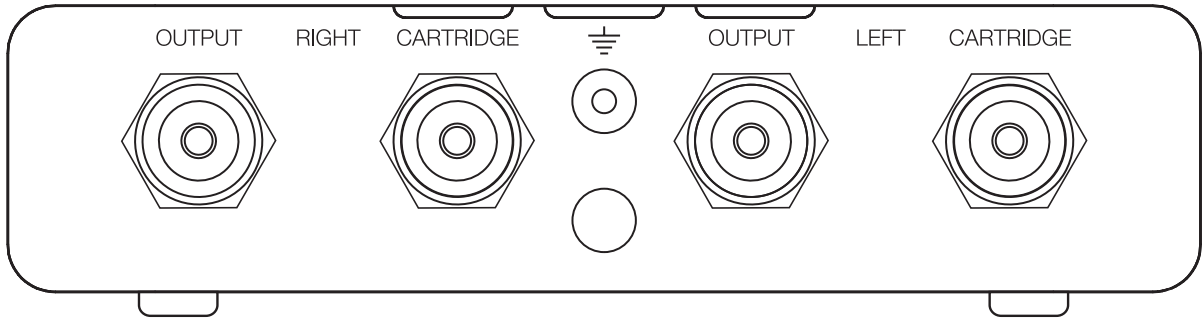
Resistance setting:

| Resistance required | R1 Position | R2 Position | R3 Position | R4 Position |
|---------------------|-------------|-------------|-------------|-------------|
| 47 KOhms | Off | Off | Off | Off |
| 1K75 Ohms | On | Off | Off | Off |
| 1K Ohms | Off | On | Off | Off |
| 650 Ohms | On | On | Off | Off |
| 400 Ohms | Off | Off | On | Off |
| 330 Ohms | On | Off | On | Off |
| 250 Ohms | On | On | On | Off |
| 100 Ohms | Off | Off | Off | On |
| 70 Ohms | On | 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.





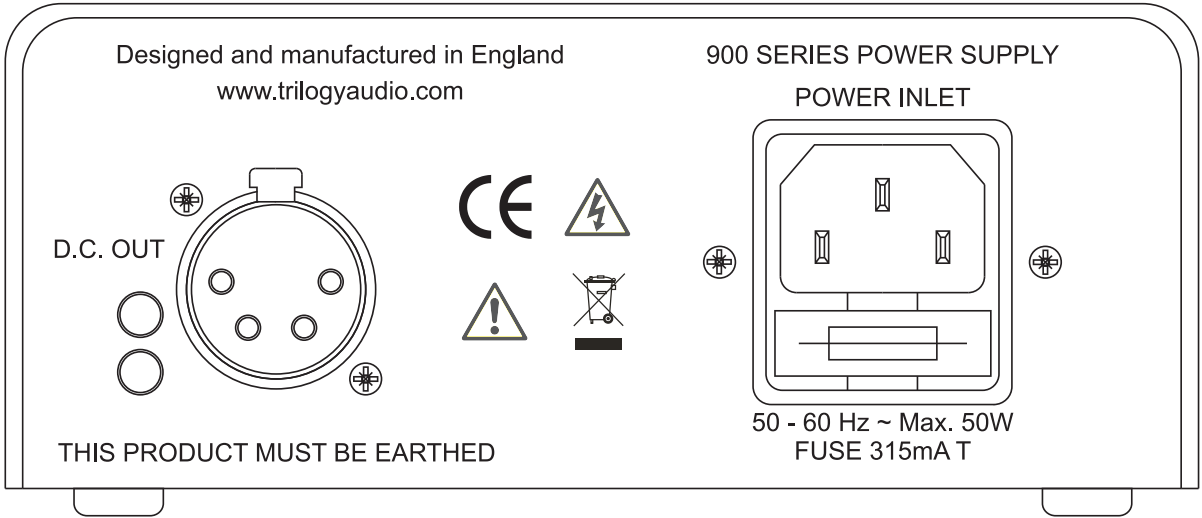
Connections

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 Preamplifiers 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 "cartridge". Red denotes the right channel, white or black denotes the left channel. The 907 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 between the sockets. Other arm cable connector types will require an adaptor; seek advice from your Trilogy dealer.

Connect the captive cable on the Phono Preamplifier to the socket on the Power Supply.





Power Supply

Warning! Do not attempt to use the Phono Preampifier with any other DC supply. Damage may result and the warranty will be null and void.

The IEC inlet on the Power Supply provides the unit with power. Connect with the supplied AC input cable. It can be left connected at all times. If the 907 is not being used for extended periods of time, switch off at the mains outlet.

The AC input voltage has been set for the country it was purchased in. Check that the label on the rear panel of the Power Supply 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.

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

Green and yellow.....Earth
Blue.....Neutral
Brown.....Live

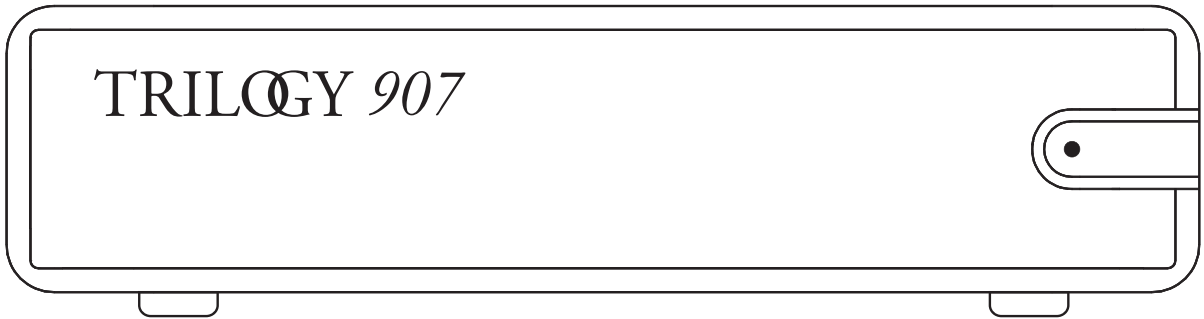
WARNING! The Power Supply must be earthed. Do not disconnect the AC earth at any time. Danger of electric shock! If in doubt about any aspect of power supply, consult your Trilogy dealer or a qualified electrician.

A direct connection to a mains outlet is best for your 907, avoid adapters. To realise your 907'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 acclaimed sister company.

The IEC inlet carries a ceramic 315mA T (time delay) fuse. If the unit stops working, check and replace this fuse with one of the same type and value if necessary. 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.





Operation

IMPORTANT!

When switching the 907 on or off, mute or turn the volume down to minimum on the connected amplifier to avoid damage to your loudspeakers.

Once the 907 has been correctly configured and installed it needs no further attention. The red LED on the front of the Phono Preamplifier indicates power from the Power Supply is present. Blue light from underneath the Phono Preamplifier indicates that the preamplifiers shunt voltage regulators are operating correctly.

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 907 consumes little power, we recommend leaving it powered permanently for optimum performance. The Preamplifier will become warm to the touch after a period of time, this is normal and does not indicate a fault condition.





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 907 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. Check if the captive DC cable is damaged or shows signs of wear periodically. 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 907 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 907 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. |
| Burn In | Period of time, which a new assembly takes to reach mechanical and electrical equilibrium. |
| Cartridge Loading | The electrical termination the phono cartridge “sees” when connected. |
| Capacitance | The ability to hold an electrical charge, resulting in decreasing impedance with frequency. |
| Choke Input | Use of an inductor to provide near constant draw from the power supply rectifier. A conventional capacitor input will draw current in pulses, thus generating noise. |
| DC | Direct current: The electrical polarity is constant. Used mostly for powering active circuits. |
| Gain | The ability of a circuit to increase the power or amplitude of a signal from the input to the output. |
| 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. |
| Resistance | The degree to which an element opposes an electric current through it. |
| 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. |
| 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. |

907 Specifications

| | |
|---|--------------------------------------|
| Size (907 Pre amplifier) | 150*220*38 (W*D*H) |
| Size including connectors (907 Pre amplifier) | 150*235*38 (W*D*H) |
| Weight (907 Pre amplifier) | 2.0 Kg |
| Size (PSU) | 132*225*57 (W*D*H) |
| Weight (PSU) | 2.85 Kg |
| Packaged Size (combined) | 330*290*195 |
| Packaged Weight (combined) | 5.9 Kg |
| Power consumption | 10 Watts |
| Inputs | 2 RCA phono sockets |
| Input Impedance | 47 K (user adjustable) |
| Input Capacitance | 100pF (user adjustable) |
| Gain | 50dB, 64dB or 70dB (user adjustable) |
| Frequency response (to RIAA curve) | 20-20KHz +/- 0.25dB |
| Output impedance | 150 Ohms |
| Phase | Phase correct (non inverting) |

Specification subject to change.

Returns

Should it be necessary for your 907 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 907's 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.

