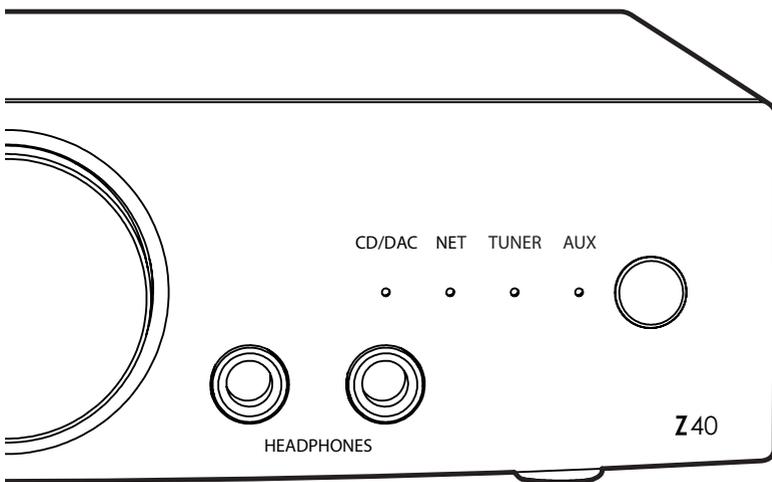


Zmini-Series

Z40 Headphone Amplifier

Owner's Manual



CONTENTS

• Introduction	2
• Installation and Safety	2
• Accessories	2
• Installing your Z40	3
Rear panel connections	
• Operating your Z40	4
Front panel controls	
• Remote Control Handset Operation	5
• System Operation with Smart My-Link	5
• Trouble-shooting guide	6
• Specifications	7

INTRODUCTION

This Myryad Z40 Headphone Amplifier has been designed to offer a combination of high quality sound reproduction and elegant styling. The Z40 can accept up to four line-level input sources. Outputs are provided for two pairs of headphones and there is also a line level output so that the Z40 can be used as a preamplifier. All functions – input selection, volume and standby – can be operated using a Myryad system remote control handset (eg. MSR2 or MSR3).

When used with a Myryad Z-Series or MX-Series system the Z40's Smart My-Link® input/output offers improved functionality.

- The Smart My-Link® input can be connected to a Myryad CD player and Tuner – for example - which will automatically be switched on or off when the Z40 is switched on or off.
- The Smart My-Link® input/output can be coupled to other Myryad products that can then be remote-controlled via the Z40's infra-red receiver - or vice-versa.
- When linked via the Smart My-Link® to other Z-Series products or other compatible Myryad products, a number of extra features become available which make the system as a whole easier and quicker to operate.

INSTALLATION AND SAFETY

The Z40 generates a modest amount of heat and requires ventilation. Do not place it on a rug or other soft surface into which it could sink. The Z40 should not be installed in a built-in situation such as a bookcase or rack unless proper ventilation is provided.

CAUTION: THIS APPARATUS MUST NOT BE EXPOSED TO DRIPPING OR SPLASHING. OBJECTS FILLED WITH LIQUIDS SUCH AS VASES MUST NOT BE PLACED ON THE APPARATUS.

THE POWER CORD MUST BE DISCONNECTED FROM THE REAR OF THE APPARATUS, OR THE WALL SOCKET, TO PROVIDE ISOLATION. ONE OR OTHER OF THESE CONNECTIONS MUST BE READILY ACCESSIBLE WHEN THE APPARATUS IS IN USE.

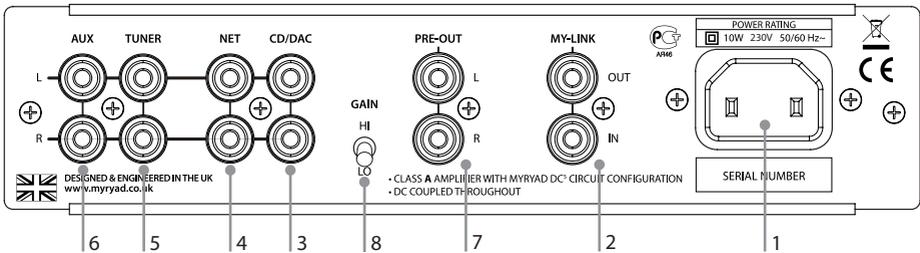
Do not remove the cover, or attempt to modify or repair any item yourself. Refer all servicing to a qualified technician.

ACCESSORIES

Your Z40 is supplied with the following accessories.

- Separate mains power cord to suit country of sale.
- My-Link interconnect (0.5m RCA-RCA).
- 2 x 6.35mm - 3.5mm jack adaptor.

INSTALLING YOUR Z40



REAR PANEL CONNECTIONS

1 Power inlet

Before making any connection, check that the mains voltage setting printed on the rear panel is the same as your local mains supply. Plug the female (socket) end of the power cord into the power inlet on the rear of the amplifier. Plug the male (plug) end of the cord into a "live" wall socket or a suitable extension cable.

2 My-Link input/output

When the Z40 is used in a system with other Z-Series products (or Myryad MX-Series), all may be joined together via the My-Link. My-Link is a communications bus that allows all the linked components to operate together as a system and distributes the remote commands received by any one to each of the others.

The simplest function provided by the My-Link bus is that all linked units will switch into or out of standby mode when the Z40's front panel or remote control standby key is pressed.

When other Myryad products equipped with Smart My-Link™ are connected via the My-Link many more powerful system features are available (see page 5).

Use a short RCA-to-RCA (phono-to-phono) interconnect cable to connect from the MYLINK OUT socket on the Z40 to the MY-LINK IN socket on the CD player and a second cable from the MY-LINK OUT socket on the CD player to the MY-LINK IN socket on the Tuner – "daisy-chain" fashion. Further Myryad Z-Series or MX-Series products can be linked in the same way, running from the MY-LINK OUT socket on the Tuner. Inexpensive interconnects may be used as the Smart My-Link bus carries only control signals, not audio, so these cables have no effect on sound quality.

3 CD input

Connect the audio output cables from a CD player to these sockets. If you do not have a CD player then any other line level source may be connected to this input.

Note: this input is for an analogue audio signal, not for the digital output from your player.

4 NET input

Connect the line level audio signal output cables from a Network Audio streamer to these sockets. Alternatively, a Myryad DVD player or any other line level source may be connected to this input.

NOTE: This input is for an analogue audio signal, not for the digital output from your player.

5 Tuner input

Connect the audio output cables from a radio tuner to these sockets. If you do not have a tuner then any other line level source may be connected to this input.

6 AUX input

The audio output from any line level source may be connected to this input.

7 LINE outputs

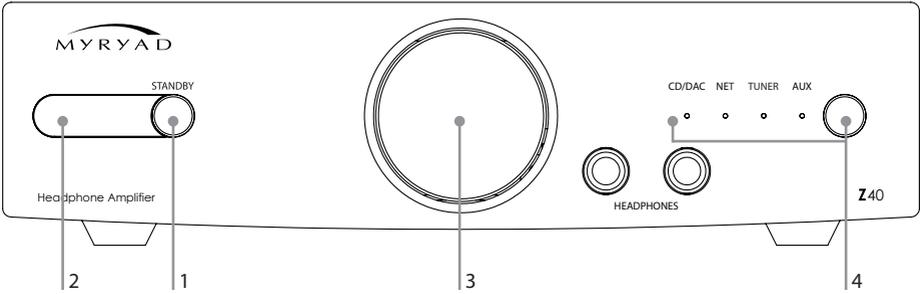
The Z40 is provided with a pair of LINE outputs so that it may be used as a preamplifier. The LINE outputs may be taken to a separate power amplifier and loudspeakers.

8 GAIN switch

The switch allows the Z40's gain to be optimised for different applications. The gain should be set so that the volume control is around the middle of its range for normal listening. It is recommended that the gain is set to LOW when first using the Z40 with headphones.

The gain should normally only need to be set to HIGH with high impedance headphones (200 ohms or greater) or when the Z40 is being used as a preamplifier.

NOTE: The gain setting should only be changed when the Z40 is switched into Standby.



FRONT PANEL CONTROLS

1 Standby

When Z40 is plugged into a live wall socket it will power up in “standby” mode and the LED (Light Emitting Diode) by the STANDBY button will glow red. In this mode the internal circuitry is powered up, but disabled so that it consumes very little power (less than 0.5W).

When the STANDBY button is pressed the circuitry is activated and, after a few seconds delay, the audio outputs will be enabled. During this delay period while the internal circuitry is stabilising the STANDBY LED will flash white. When the outputs are de-muted it will glow white continuously. When the STANDBY button is pressed again the amplifier will be returned to standby mode, the STANDBY LED will glow red again and all other LEDs and displays will be extinguished.

When the Z40 is switched out of standby, the input used last is automatically selected and, after a few seconds settling delay, the outputs will be connected.

CAUTION: WHEN IN STANDBY MODE THE INTERNAL CIRCUITRY IS STILL LIVE, SO ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.

2 Infra-red receiver

The infra-red (IR) remote control receiver is mounted behind the window next to the standby LED as indicated. It must therefore not be obscured when the unit is to be operated using a remote control handset. Where possible it is best to arrange that the IR window is in “line-of-sight” of the remote handset. When various components are connected via the My-Link bus, only one needs to receive the IR command signals in order to control any of the linked units.

3 Volume control

The volume control adjusts the sound level of the headphones and line outputs.

When the MUTE mode is engaged using the remote control, the STANDBY LED will flash repeatedly to indicate this condition. Always press MUTE on the remote handset again to disengage MUTE before advancing the volume control setting.

4 Source select button and LEDs (CD, NET, TUNER and AUX inputs)

The SOURCE select button is used to choose which signal source you want to listen to. The chosen source is indicated by one of the white LEDs to the left of the source select button. When the button is pressed the next source is chosen, moving left to right (CD > NET > TUNER > AUX). If the button is pressed with AUX selected the CD input is selected next.

The selected source will be sent to the line outputs when no headphones are plugged in. When headphones are plugged in the line outputs are muted and the selected source will only be sent to the headphones outputs.

AUTO SWITCH-OFF

If no audio signal is received by the selected input (no sound) for a continuous period of 20 minutes, the Z40 will automatically switch to standby to save energy. At the same time the Z40 will also switch any My-Linked products into standby (e.g. CD player, tuner etc.).

If, during a period of silence, the selected input is changed, or any remote control command received, the 20 minute timer will be re-started

When the Z40 is My-Linked in a system with other Myryad products, unselected source products may be switched to standby after 10 minutes by Myryad's Power Save Mode – see “System Operation with Smart My-Link” on page 5.

NOTE: For special situations and test purposes, the Auto Switch-Off function may be disabled. With the unit in standby, press and hold the front panel source select button and simultaneously press the standby button. The unit will then switch on without any Auto Switch-Off. It will remain in this state when switched into and out of standby, but the Auto Switch-Off will be re-instated if the mains power is disconnected.

REMOTE CONTROL HANDSET OPERATION

(available seperately)

Myryad's MSR3 handset has been ergonomically designed to be easy and comfortable to use. It will also control Myryad's Integrated Amplifiers, Preamplifiers, CD Players, Tuners and DVD Players. See the MSR3 System Remote Owner's manual for details of its use with these products.

The handset keys allocated to control of the Z40 are active in all handset modes and are as follows:

Standby

This key operates in exactly the same way as the STANDBY button on the front panel.

Vol ▲ and ▼

Press one of the VOLUME ▲ or ▼ keys to increase or decrease the volume setting - in exactly the same way as rotating the front panel volume control. If the amplifier is in mute mode (after pressing MUTE on the R/C handset) then pressing the VOLUME ▲ key will automatically disengage mute mode and re-instate the audio signal. This prevents an excessively high volume level from being set by mistake

Mute

Press the MUTE key on the handset to engage mute mode. The outputs will be muted and the white STANDBY LED will flash slowly. MUTE is a "toggle" function, so pressing the key again will disengage the mute mode.

CD, NET, TUN and AUX

These keys allow direct access to input sources. When a new source is selected, the previous source is automatically cancelled.

INSTALLING AND REPLACING HANDSET BATTERIES

The MSR3 Remote Handset uses two 1.5 V type AAA batteries. To fit new batteries first open the battery compartment in the rear of the handset and remove any existing batteries. Fit the new ones as directed by the symbols moulded inside the battery compartment, then replace the battery compartment cover. The batteries should always be removed if they are discharged (indicated by no remote control operation or by operation only at very short range), or if the remote control is not going to be used for an extended period.

SYSTEM OPERATION WITH SMART MY-LINK®

When used as a linked system (which must include one Smart My-Link® equipped "Control Amplifier" like the Z40, or a Preamplifier) Myryad products equipped with Smart My-Link® have a number of extra features that make the system as a whole easier and quicker to use than a normal hi-fi. These include:

Start-on-Play (CD)

Press play on the CD player (or the remote control) and both the CD player and Z40 will switch out of standby (if necessary) and play the CD. The Z40 will automatically select the CD source.

Start-on-Open (CD)

Press open/close on the CD player (or the remote control) and both the CD player and Z40 will switch out of standby (if necessary) and the CD drawer will open. The Z40 will automatically select the CD source.

Intelligent Input Selection (Amplifier)

Press a source select button on the remote control and the system will awaken only the Z40 and the selected source.

Mute/Pause Control (Amplifier/CD)

When using the CD player, selecting mute from the remote control will mute the amplifier and pause the CD. When the Z40 mute is cancelled, the CD will continue playing.

Power-Saving Mode (Amplifier/Tuner/CD)

The Z40 will switch the Tuner or CD Player into standby if either source remains unselected for more than ten minutes.

Automatic Switch-On (Tuner/CD)

If the standby button on the Tuner or CD Player is pressed, the Z40 will also awaken and select the correct source.

TROUBLE-SHOOTING GUIDE

Possible solutions to some of the most common problems.

No sound:

- Power turned off or system in standby mode. Check that the white STANDBY LED is illuminated white and that the relevant source component is also active.
- Mute mode engaged (indicated by flashing white standby LED). Press MUTE key or volume up on remote control to disengage Mute mode.
- An inoperative input has been selected (e.g. CD input with no CD playing).
- An input has been selected with no source connected.
- UK version only: The fuse in the mains plug has failed. Check and replace if necessary.

Sound in one channel only:

- Headphones jack not plugged fully into socket. Make sure jack is pushed fully home.
- Interconnect cable pulled loose or making poor contact. Check and, if necessary, un-plug and re-plug all relevant cables.

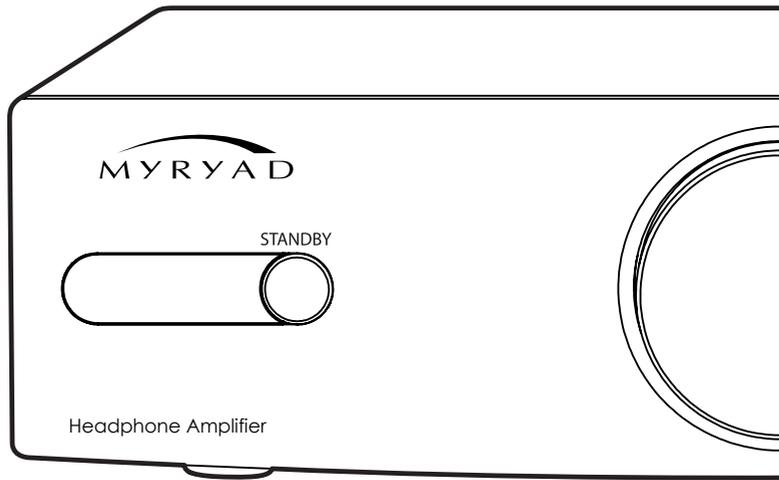
Loud buzz or hum:

- Interconnect cable pulled partially out of its socket.
- Defective interconnect cable.

For further help please visit Myryad website at www.myryad.co.uk

SPECIFICATIONS

Maximum output level	32 Ω load	≥ 4 Vrms (0.5 W)
	600 Ω load	≥ 8 Vrms (107 mW)
Gain	High	+14 dB
	Low	+4 dB
Input impedance		20k Ω
Frequency response (20Hz – 20kHz)		± 0.1 dB
THD (1 Vrms output)		$< 0.001\%$
Signal-to-Noise ratio	High gain	106 dB
(A weighted, ref. 1V rms output)	Low gain	115 dB
Output impedance	Headphones outputs	$< 0.5\Omega$
	Line output	75 Ω
Dimensions (w x h x d)		215 x 56 x 228mm
Weight (net)		2.60kg
Supply voltage (set by internal wiring)		120 or 230V
Finish		Natural Silver fascia with Silver Grey casing or Satin Black fascia with Black Casing.



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This symbol means do not dispose of as municipal waste. Re-use or recycle wherever possible. Electrical/Electronic Equipment may contain substances harmful to the environment. For environmentally sound methods of disposal, please contact your local government agency.