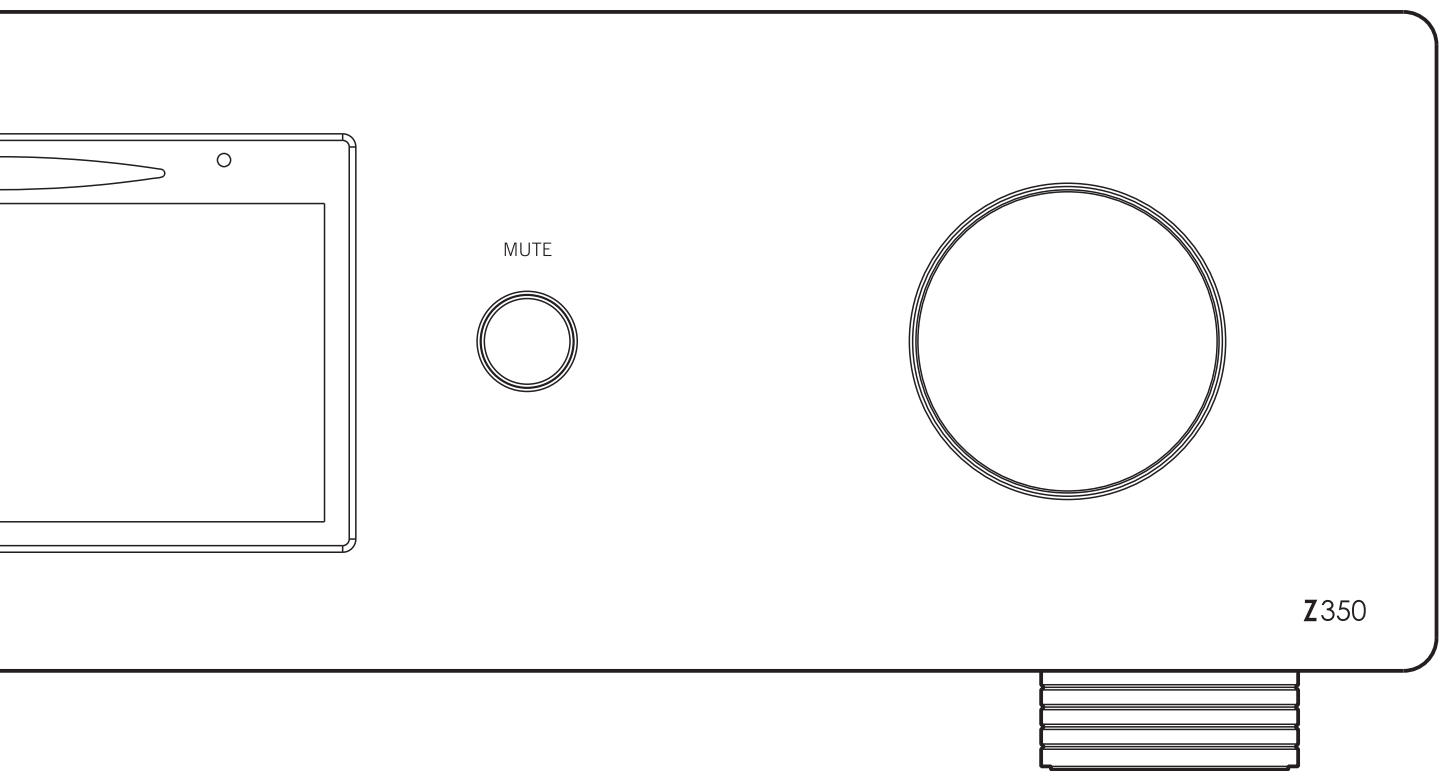


Z-Series

Z350 Integrated Amplifier

Owner's manual



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INTRODUCTION

The Myriad Z350 Integrated Amplifiers have been designed to deliver a combination of high quality sound reproduction and elegant styling.

The Z350 Integrated amplifiers can accept up to six line-level input sources, and five digital input sources. Outputs are provided for one pair of loudspeakers, for headphones and for an auxiliary power amplifier. All functions can be operated using the infra-red remote control handset supplied.

INSTALLATION AND SAFETY

The Z350 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, obstructing the air inlets in its underside. Do not allow any obstruction to the ventilation slots in the top cover. If a number of Z-Series units are stacked on top of one another, the Z350 should be placed on top. The Z350 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 REAR PANEL POWER SWITCH DISCONNECTS MAINS LIVE ONLY. THE POWER CORD MUST BE DISCONNECTED FROM THE REAR OF THE APPARATUS, OR THE WALL SOCKET, TO PROVIDE TOTAL ISOLATION. ONE OR OTHER OF THESE CONNECTIONS MUST BE READILY ACCESSIBLE WHEN THE APPARATUS IS IN USE.

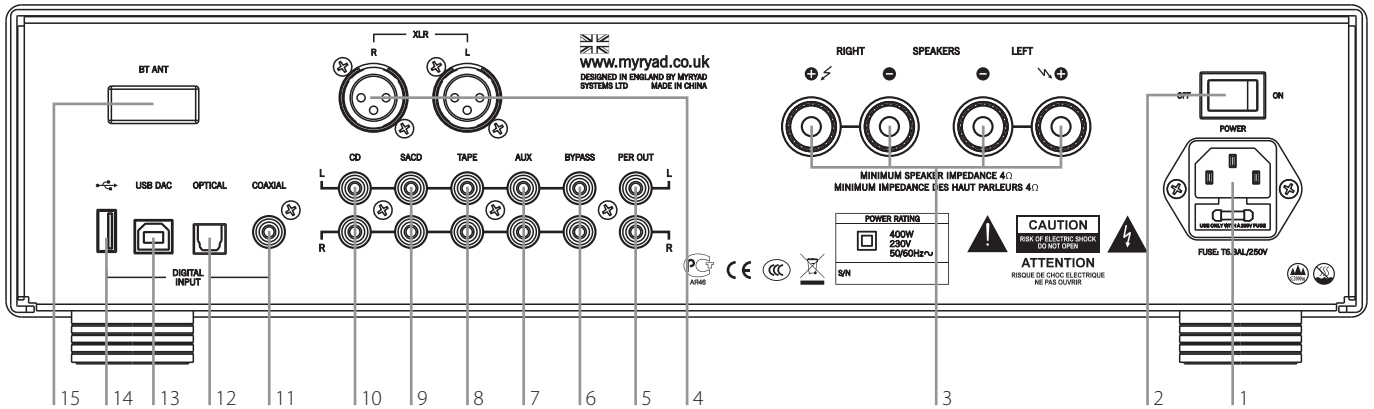
Do not remove the cover, or attempt to modify or repair any item yourself. Refer all servicing to a qualified technician.

ACCESSORIES

Your Z350 is supplied complete with the following accessories:

- Mains Cable
- MSR1 Remote
- Owner's Manual

SETTING UP YOUR AMPLIFIER



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 heavy duty extension cable.

2. Power Switch

Press one side of this rocker switch (the side nearer the edge of the rear panel) to switch the amplifier ON and the other side (towards the speaker terminals) to switch it OFF. When the POWER switch is in the OFF position all power is disconnected from the amplifier. In this condition the amplifier cannot be powered up from the front panel or the remote control. When the POWER switch is in the ON position (and the power cord correctly inserted and plugged into a live wall socket) the amplifier will power up in standby mode (see Front Panel Controls, STANDBY).

IMPORTANT: Make sure the POWER switch is turned OFF before making or changing any connections to the amplifier.

3. Loudspeaker outputs

The loudspeaker outputs are capable of driving all loudspeakers with rated impedances in the range 4Ω to 16Ω. The loudspeaker terminals are high-current binding-posts, coded red or black. The terminals on the left side of the amplifier (viewed from the front) and marked "L" should be wired to the left-hand loudspeaker. Those on the right, marked "R", should be wired to the right-hand loudspeaker.

For correct stereo imaging it is important that the two loudspeakers are wired "in phase". To ensure correct phasing wire the black (-) terminal on the amplifier to the black or "-" terminal on the loudspeaker. The red (+) terminal on the amplifier should be wired to the red or "+" terminal on the loudspeaker.

The loudspeakers should be positioned as recommended by the loudspeaker manufacturer. The two loudspeakers should always be placed at equal distances from the main listening position and usually spaced a similar distance apart. It is generally best to keep the loudspeakers away from room corners and many loudspeakers work best away from all walls.

4. XLR input

Connect the audio output cables from a XLR to these sockets.

5. PER out

Connect the audio input cables from an amplifier to these sockets.

6. Bypass input

Connect the audio output cables from a preamp to these sockets.

7. AUX input

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

8. Tape input

The Tape inputs are suited to any type of tape recorder, including high-quality "3-head" types which allow you to monitor the signal off the tape whilst it is being recorded.

9. SACD input

Connect the audio output cables from a SACD player to these sockets.

10. 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 audio signal, not for the digital output from your player.

11. Coaxial input

Connect the audio output cables from a CD player to these digital sockets.

12. Optical input

Connect the audio output cables from a CD player to these digital sockets.

13. USB DAC

Connect the audio output cables from a pc to these usb sockets.

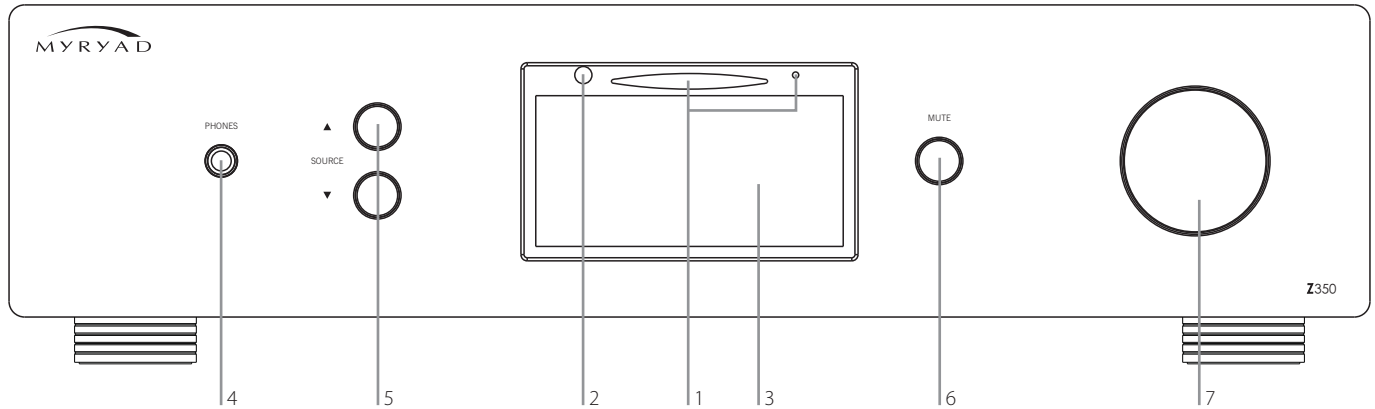
14. USB disk input

USB for connecting external disk.

15. BT ANT

Receive for bluetooth signal.

OPERATING YOUR AMPLIFIER



FRONT PANEL CONTROLS

1. Standby

When the amplifier is plugged into a live wall socket and the POWER switch is turned ON, it will power up in “standby” mode and the LED (Light Emitting Diode) in the display will glow red. In this mode only a small part of the internal circuitry of the Z350 is powered up, so it consumes very little power and its inputs and outputs are isolated by relays.

When the STANDBY ellipse is touched (3 second) the Z350 circuitry will be activated, but the outputs will remain muted for a short period to allow the internal voltages to stabilise. During this delay period the LED on turns blue in the display and the display will indicate “MYRYAD”.

When the STANDBY ellipse is touched (3 second) again the amplifier will be returned to standby mode. The standby LED will glow red again and the display will be extinguished.

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, just to the left of the display. It must not be obscured when the amplifier is to be operated using the remote control handset. Where possible it is best to arrange that the IR window is in “line-of-sight” of the remote handset.

3. Display

All functions accessible through multifunctional touch screen.

4. Headphone socket

The headphones socket will accept a standard 6.35mm stereo jack plug or adapter. All types of headphones of any impedance may be used, with one exception: electrostatic headphones are usually supplied with an adapter unit which must be connected directly to the loudspeaker terminals. Insertion of a plug into the headphones socket automatically disconnects the loudspeakers, silencing them. In order to resume listening to loudspeakers you must unplug the headphones from this socket. The headphones output is not muted when switching in and out of STANDBY mode, so it is recommended that headphones are unplugged from the amplifier before switching to standby mode and plugged in again after switch-on.

5. Source select ▲ and ▼

These buttons scroll up or down through the inputs to select the source you wish to listen to. The display shows which input has been selected.

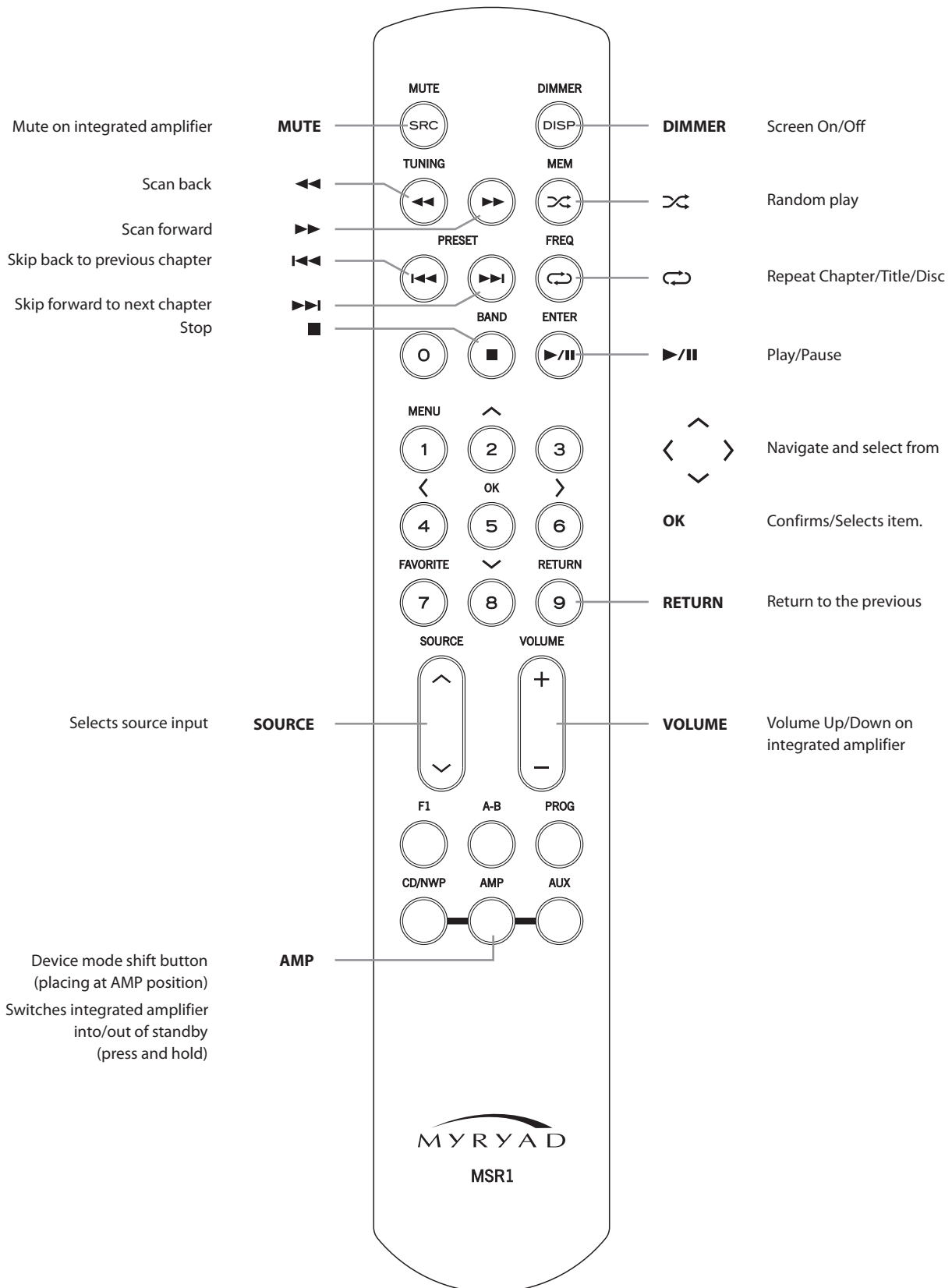
6. Mute

When you press the MUTE button the output (loudspeaker, amplifier) will be mute release.

7. Volume control

The volume control adjusts the sound level for both loudspeakers (via the amplifier outputs).

REMOTE CONTROL



LOUDSPEAKER OUTPUT PROTECTION AND MUTING

When the amplifier is in standby mode the loudspeaker output terminals are isolated from the amplifier by high quality relays. When the amplifier is first switched on from standby mode the loudspeaker outputs remain disconnected for a few seconds to allow the internal voltage levels to settle. The same process occurs when the amplifier is switched back into standby mode. This power-on mute does not disconnect the headphone socket, so it is recommended that headphones are unplugged from the amplifier before switching to standby mode and plugged in again after switch-on.

The same loudspeaker mute relay is used to protect both the amplifier and your loudspeakers against possible damage. If any one of a number of fault modes is detected (loudspeaker outputs short circuit,

amplifier overheating, amplifier DC fault) the loudspeakers will be disconnected from the amplifier to protect both. In the case of a short circuit or DC fault the loudspeakers will be re-connected after a few seconds, but will be disconnected again if the fault persists. If overheating has caused the protection system to operate, then it will take some time for the heatsinks to cool sufficiently to allow the loudspeakers to be re-connected (probably between five and fifteen minutes depending upon the room temperature and ventilation). The amplifier will cool more quickly if it is switched to standby mode, or if the POWER is switched OFF.

INSTALLING AND REPLACING BATTERIES

The remote handset uses two 1.5 V type AAA batteries. To fit new batteries first open the battery compartment at the base 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.

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 red STANDBY LED in the amplifier is illuminated and that the relevant source component is also active.
- An inoperative input has been selected (e.g. CD input with no CD playing).
- An input has been selected with no source connected.
- Protection relay has operated because of a short circuit loudspeaker wire or amplifier overheating. Carefully check all wiring after switching the amplifier POWER OFF to allow it to cool.

Sound in one channel only:

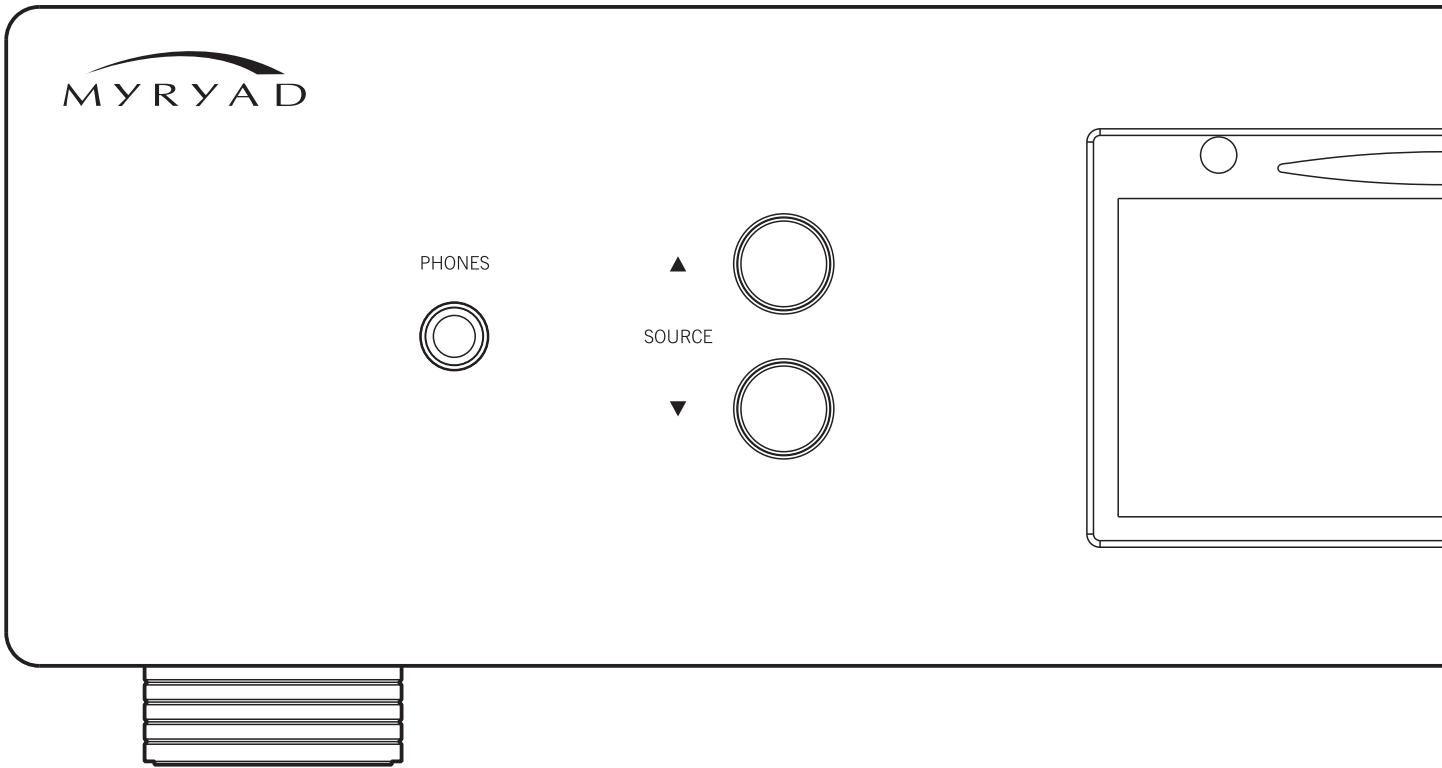
- Loudspeaker cable pulled loose. Check all connections, both at the loudspeakers and amplifier.
- Interconnect cable pulled loose or making poor contact. Check and, if necessary, un-plug and re-plug all relevant cables.

Loud buzz or hum:

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

SPECIFICATIONS


Continuous average power output	8Ω:	130 W
	4Ω:	200 W
THD (at 80% rated power, 8Ω, 20Hz-20kHz)		0.01%
Inputs		XLR, CD, SACD, TAPE, AUX, BYPASS, BT, USB, USB DAC, OPTICAL, COAXIAL
Outputs		PRE OUT, SPEAKERS
Input sensitivity (ref. rated power)		300 mV (user trimmable 220-880mV)
Maximum input level		>2 Vrms
Input impedance		47 kΩ
Frequency response (20Hz-40kHz)		±0.5 dB
Signal/Noise ratio (A-weighted, ref. rated power)		>97 dB
Optical Specifications		192 k
USB Specifications		768 kHz/32 bit, DSD512
BT Specifications		Bluetooth 5.0
Dimensions (w x h x d)		436 × 115 × 377 mm
Weight (net)		12.3 kg



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All information is given in good faith. The manufacturer accepts no responsibility for errors, omissions or incorrect assumptions.

	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.
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