



ORPHEUS THREE

USER MANUAL



INTRODUCTION

CONTENTS

- Introduction.....2
- Front panel description.....3
- Rear panel description - Mono.....4
- Rear panel description - Stereo.....5
- Connections - Mono.....6
- Connections - Stereo.....7
- Operations.....8

UNPACKING

First check and identify the contents of your Orpheus Three package, as listed below :

- Orpheus Three power amplifier
- Power cord
- Orpheus Three user manual
- Warranty registration card

If any item should be damaged or missing, please inform your supplier without delay.

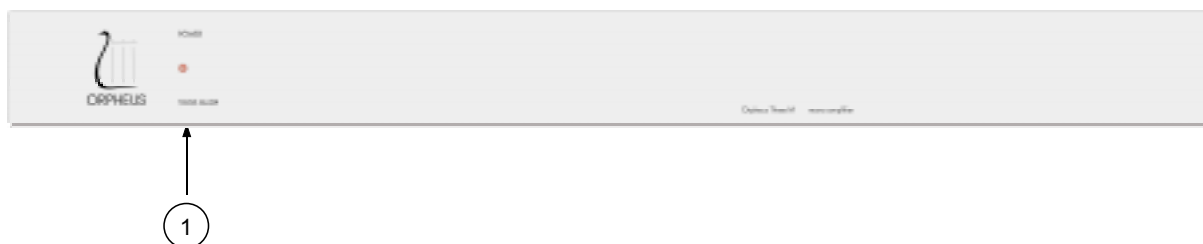
Keep the packing materials, you may need it to transport the unit in the future.

READ THIS BEFORE OPERATING YOUR UNIT

- Please read this manual carefully, to assure proper operation and the best possible performance.
- Switch off the unit before connecting or disconnecting any input or output wire.
- Do not touch the inner pins of rear-panel connectors, electrostatic discharge may cause permanent damage to the unit.
- Choose the installation location for the unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Avoid also locations subject to vibration and excessive dust, heat, cold or moisture.
- To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture.
- Do not use force when operating switches, knobs and other controls.
- Do not open the chassis or attempt to make repairs by yourself, as this may result in damage to the unit or electrical shock. If a foreign object should get into the unit, contact your local dealer.
- When planning not to use the unit for a long period of time, it is advisable to disconnect the power plug from the wall outlet.
- The power switch does not disconnect the complete unit from the main line.
- To prevent lightning damage, disconnect the power plug when there is an electrical storm.
- When moving the unit, be sure to first disconnect the power plug and all wires connected from the unit to other equipment.

- When disconnecting the power plug from the wall outlet, always pull directly on the plug, never pull the cord itself.
- Do not attempt to clean this unit with water or chemical solvents, as this may damage the unit or the finish. Use a clean, dry cloth.
- Keep this manual in a safe place for future reference.

FRONT PANEL



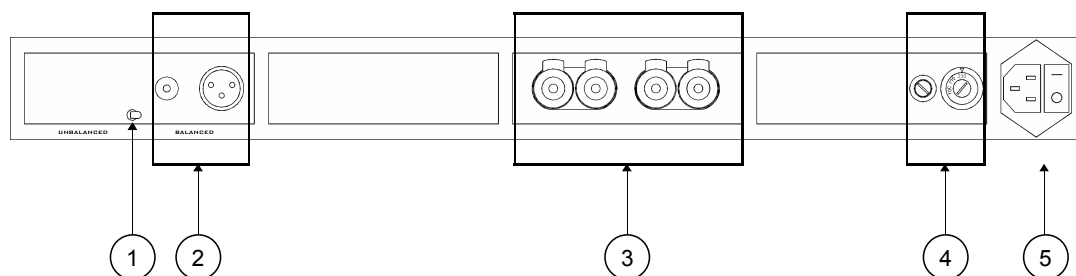
1. MAIN POWER INDICATOR

Lights red when the unit is switched on and operating.

Blinks red during the self-test procedure (approximately 2 seconds) after switching on the unit.

Indicator light is off when the unit is switched off.

REAR PANEL - MONO



1. INPUT SELECTOR SWITCH

Press the switch either to the left to select the unbalanced input or to the right to select the balanced input.

2. INPUT

Balanced and unbalanced input connectors.

3. OUTPUT

Dual output connectors in parallel.

4. INPUT VOLTAGE SELECTOR & FUSE RECEPTACLE

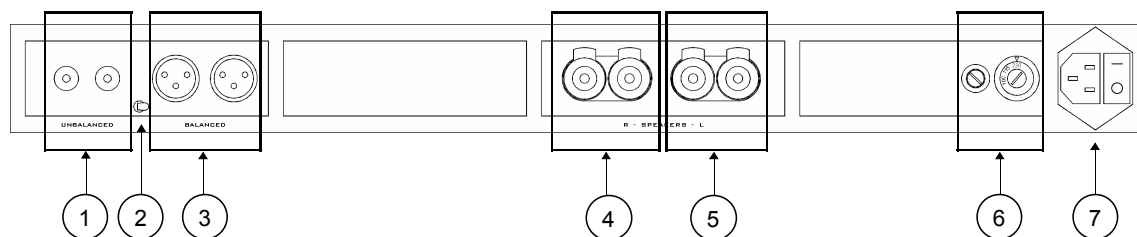
The input voltage selector switch configures the unit to the line voltage of the country where it is used.

The main fuse is located in the fuse receptacle. If it has to be changed, replace it by a T5A slow-blow fuse.

5. POWER SUPPLY & POWER SWITCH

Power cord connection and main power switch.

REAR PANEL - STEREO



1. UNBALANCED INPUT

Unbalanced input connectors.

2. INPUT SELECTOR SWITCH

Press the switch either to the left to select the unbalanced input or to the right to select the balanced input.

3. BALANCED INPUT

Balanced input connectors.

4. OUTPUT RIGHT

Right channel output connectors.

5. OUTPUT LEFT

Left channel output connectors.

6. INPUT VOLTAGE SELECTOR & FUSE RECEPTACLE

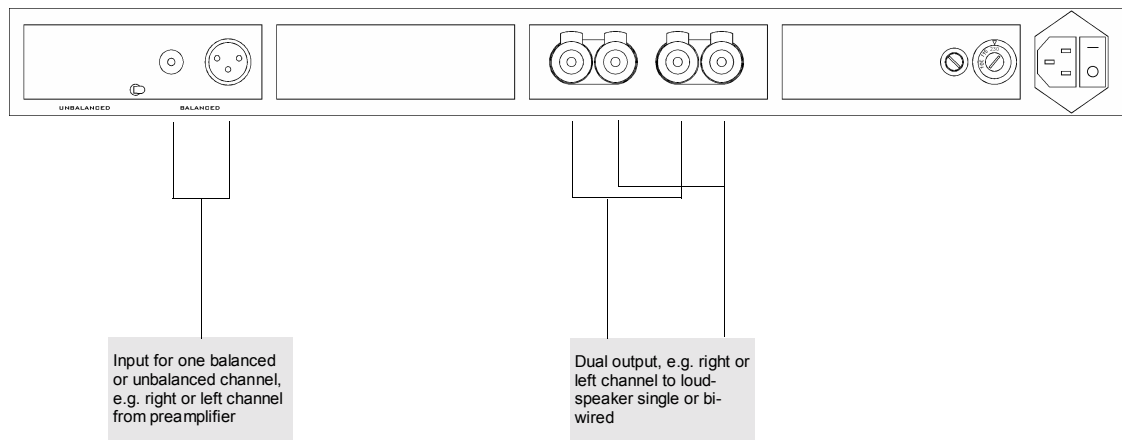
The input voltage selector switch configures the unit to the line voltage of the country where it is used.

The main fuse is located in the fuse receptacle. If it has to be changed, replace it by a T5A slow-blow fuse.

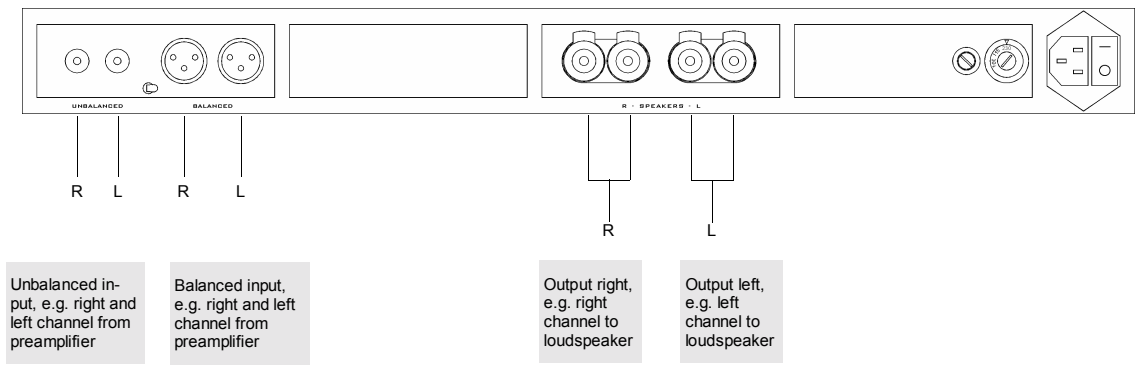
7. POWER SUPPLY & POWER SWITCH

Power cord connection and main power switch.

CONNECTIONS - MONO



CONNECTIONS - STEREO



R : right channel
L : left channel

OPERATIONS/ SPECIFICATIONS

QUICK GUIDE

CONNECTION

Connect the input cable from the preamplifier first, followed by the output cable to the loudspeakers, and finally the power cord.

INPUT FORMAT

Select either the unbalanced input on RCA connector or the balanced input on XLR connector by flipping the switch left or right respectively.

POWER ON

Flip the main power switch at the back of the unit from 0 to I.

The main power indicator on the front panel will light red and then green when ready for operation.

TECHNICAL DATA - ORPHEUS THREE M

Max Power : 150 W RMS

Sensitivity : 1 V RMS for an 8Ω load

Voltage gain

+ 39.70 or + 32.00 dB @ 16Ω load

+ 34.40 or + 30.70 dB @ 8Ω load

+ 27.10 or + 28.70 dB @ 4Ω load

+ 17.20 or + 24.70 dB @ 2Ω load

Measure reference : 1W in an 8Ω load = 0dBr

THD+N @ 0dBr : 0.007%

THD+N @ -30dBr : 0.070%

THD+N @ -60dBr : 1.700%

Dynamic range : 95dB

Signal/noise ratio : 95dB

Residual noise: 46μV RMS (A-weighted)

Measure reference : 30W in a 4Ω load = 0 dBr

THD+N @ 0dB : 0.006%

THD+N @ -30dBr : 0.016%

THD+N @ -60dBr : 0.350%

Dynamic range : 109dB

Signal/noise ratio : 109dB

Residual noise: 38μV RMS (A-weighted)

Idle Power from main: 27 W RMS

Max Power from main: 350 W RMS

TECHNICAL DATA - ORPHEUS THREE S

Max Power : 40 W RMS

Sensitivity : 550 mV RMS @ 40 W output @ 8Ω

Voltage gain

+ 39.50 or + 31.90 dB @ 16Ω load

+ 34.40 or + 30.70 dB @ 8Ω load

+ 27.30 or + 28.70 dB @ 4Ω load

+ 17.40 or + 24.80 dB @ 2Ω load

Measure reference : 1W in an 8Ω load = 0dBr

THD+N @ 0dBr : 0.029%

THD+N @ -30dBr : 0.110%

THD+N @ -60dBr : 2.700%

Dynamic range : 91dB

Signal/noise ratio : 91dB

Residual noise: 80μV RMS (A-weighted)

Measure reference : 30W in a 4Ω load = 0 dBr

THD+N @ 0dB : 0.006%

THD+N @ -30dBr : 0.066%

THD+N @ -60dBr : 0.570%

Dynamic range : 105dB

Signal/noise ratio : 105dB

Residual noise: 62μV RMS (A-weighted)

Idle Power from main: 15 W RMS

Max Power from main: 350 W RMS

ORPHEUS THREE

1

OPERATIONS

COMMENTS

Constructive feedback is always welcome.

Please feel free to forward us your comments at the address listed below or to your local dealer or distributor.

TECHNOLOGY & DESIGN

The unit has been entirely manufactured and assembled in Switzerland; conceived by ANAGRAM Technologies SA and designed by Chiarini Design.

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1