

# SYBARITE AUDIO

No 1200

Owner's manual

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## 1 Introduction

Dear customer,

Congratulations on your purchase of the Sybarite Audio No1200 power amplifier designed and manufactured in Sweden by Sybarite Audio. We do believe and hope that your new Sybarite Audio equipment will be to your full satisfaction for many years to come.

After reading this manual, you will realize that operating the Sybarite Audio No1200 is simplicity itself and during listening you will enjoy your treasured records more than ever before.

## 1.1 Important safety information

- Read these instructions.
- Heed all warnings.
- Do not use this apparatus near water
- Clean only with dry cloth.
- Do not block any ventilation openings
- Do not install in close proximity to heat sources such as radiators
- Connect mains only to outlet with protection earth tab.
- Unplug the apparatus from the mains in case of lightning storms.
- Refer all servicing to qualified personnel.
- Servicing is required if the apparatus has been damaged in any way, if liquid has been spilled or objects have fallen into the apparatus.
- Do not open enclosure.

## 1.2 Description

The Sybarite Audio No1200 is a cost-no-object all discrete solid state design. The output stage comprise 16 state-of-the-art bipolar transistors, capable of driving the most demanding speaker loads with ultralow distortion. The output stage driver and pre driver are operating in class A. The protection circuitry monitors DC-offset, heat sink temperature and overload.

As transparency and accuracy are words of honor for us, the main design objectives have been: ultralow noise and distortion, wide bandwidth and high output power, among many other aspects of performance.

## 1.3 Features

- 400 W per channel into 8  $\Omega$  in stereo mode
- 1300 W into 8  $\Omega$  in mono/bridged mode
- Ultralow distortion and noise
- Trigger input and output
- Clipping indicator on front panel
- DC-servos to keep output offset negligible

## 1.4 Sybarite Audio limited warranty

Sybarite Audio products are warranted to be free from manufacturing defects for five years from date of manufacture. Both parts and labor are included in the warranty, but shipping is excluded. The warranty is considered void if the device has been tampered, repaired by unauthorized personnel or if the unit has been subject to abuse such as excessive mains voltage, excessive mains transient surge, excessive input level, overheating due to inadequate siting, excessive ambient temperature, short circuited outputs or abnormal physical shock. The warranty is transferable from owner to subsequent owner as long as the original sales invoice accompanies the resale.

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## **2 Installing the Sybarite Audio No1200**

### **2.1 Siting the Sybarite Audio No1200**

Install the Sybarite Audio No1200 preamplifier with at least 100 mm of clearance above and do not install in a closed cabinet. Make sure not to obstruct the ventilation slots on top or bottom. Do not place the Sybarite Audio No1200 directly on a carpet, as there is a risk that the slots on the bottom will be obstructed.

Connect the supplied IEC-320 C14 mains cable to the inlet on the rear panel. The inlet is a combined inlet, fuse holder and illuminated mains switch. Make sure that the mains voltage is 230 V (+/-10%), 50-60 Hz.

### **2.2 Audio inputs**

There is one pair of single ended inputs. Use the left input only in mono/bridged mode.

### **2.3 Audio outputs**

There are two pairs of five way binding posts. In mono/bridged mode, use the red connector of the left channel as the positive output and the red connector of the right channel as the negative output; the black connectors are not used in mono/bridged mode.

### **2.4 Trigger input and output**

The power amplifier starts if 12 VDC is applied to the 3.5 mm trigger input. The tip of the connector is +12 V and the ring is ground. Approximately one second after the trigger input receives a signal, the trigger output is enabled. This delay prevents excessive inrush current if multiple power amplifiers are used.

### **3 Operating the Sybarite Audio No1200**

#### **3.1 Front panel controls**

There is one button, "STANDBY" on the front panel. Pressing the button turns the Sybarite Audio No1200 on and off. Note that the power on button is overriding the trigger input.

#### **3.2 Front panel indicators**

The "POWER"-indicator indicates that the Sybarite Audio No1200 is switched on. The "PROTECT"-indicator indicates either clipping/overload or that the unit is in a startup or brown out state.

#### **3.3 Rear panel controls**

There is a toggle switch to switch between stereo and mono/bridged mode. Adjacent to the mains inlet, there is a rocker switch to switch the unit off. The trigger input will not work unless the amplifier is switched on using the rocker switch.

### 3.4 Technical specifications

Frequency response	20 Hz – 20 kHz (+/- 0.1 dB)
Total harmonic distortion	<0,005% (200 W RMS, 20 Hz – 20 kHz)
Signal to noise ratio	>94 dB (A-weighted, rel 2.83 V)
Input impedance	10 k $\Omega$
Minimum load impedance	2 $\Omega$ in stereo mode, 4 $\Omega$ in mono/bridged mode
Gain	26.3 dB (stereo and mono/bridged mode)
Maximum output power	400 W into 8 $\Omega$ in stereo mode 1300 W into 8 $\Omega$ in mono/bridged mode

#### General

Dimensions	455 x 210 x 410 mm (W x H x D)
Weight	30 kg
Power consumption	2 W stand by, 200 W idle
Mains voltage	230 V, 50-60 Hz
Mains fuse	10 AT