

# SONNETEER



Orton  
Integrated Amplifier

## Introduction

Thank you for purchasing the new Sonneteer Orton integrated amplifier. For your safety and proper operation of your amplifier, please take time to read this manual fully before installing and operating your system.

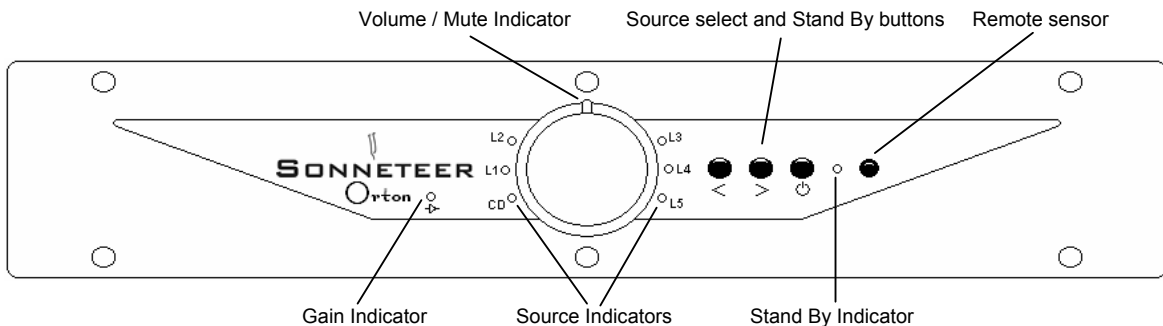
## Safety notice

- **DANGER! HIGH VOLTAGE! RISK OF ELECTRIC SHOCK!**
- Lethal voltages are present inside the unit. Always unplug the amplifier completely from mains outlet before connecting or disconnecting anything.
- No user-serviceable parts inside. Please refer all servicing to qualified service agents.
- Never expose the unit to water, moisture, extreme cold or direct sunlight.
- It is advisable to unplug the unit from the mains when a thunderstorm is expected.
- To rain or intense moisture
- To intense shock and vibration.
- For your safety never open the cover. Your warrantee will be void if the unit has been opened.
- Do not use a damaged power cord. It may cause a fire or an electrical shock.
- Do not touch a power cord with wet hands. It may cause an electric shock.
- Do not short circuit any wirings connected to the amplifier.

## Cleaning your amplifier

- Always unplug the unit from mains before cleaning the unit.
- Do not use solvents of any kind to clean the unit, only use a soft-dry cloth.

## Front panel controls and indicators:



There are only 3 buttons on the front panel for general operation:

Stand By :



Source select:



### LED Indicators:

#### **CD, L1-L5:**

Illuminates when the corresponding source is selected.

#### **Volume and Mute:**

This dual function indicator is located on the Volume control knob.

When the volume level is adjusted using the remote handset it will illuminate in YELLOW colour. When the unit is in MUTE it will illuminate in RED colour.

#### **Gain Indicator:**

Programmable Input sensitivity (Via Remote only):

For each source CD, L1-L5 you can program their input sensitivity to either low or high. Their settings will be retained unless the unit has been un-plugged from the mains supply. For safety reasons the default setting for all the input sensitivity is set to the lower settings.

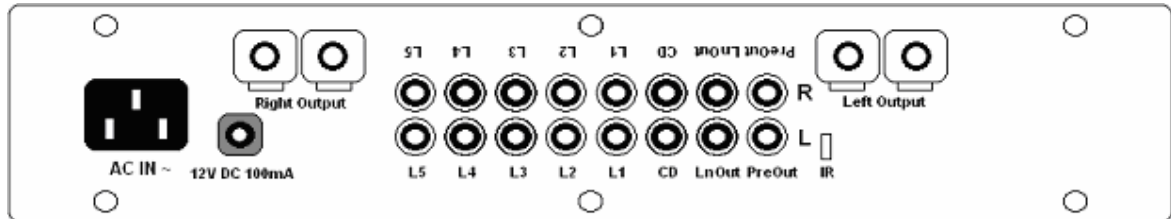
To program each source gain setting, first select the source, then hold down the volume down button for 15 seconds and the GAIN LED indicate the change has been activated. To undo the gain repeat the above process.

Symbol for the Gain LED:

### Note:

**All selections and settings will be retained unless the unit has been disconnected from the mains supply.**

## Rear panel connections:



- AC IN ~:** Connect to mains outlet.  
(Do this after all connections to the amplifier have been made and checked)
- Right Output:** Connect this out to your Right Speaker (Red = Positive).  
**Left Output:** Connect this out to your Left Speaker (Red = Positive).
- 12V DC:** This is used to simultaneously switch on the optional  *Orton* power amplifier.
- Pre Out:** Variable output for use with the optional  *Orton* power amplifier.
- Ln Out:** Line level output for use with tape decks etc.
- CD - L5:** Available source inputs.
- IR:** Additional Infra Red sensor or use with multi-room systems

## Internal protection features:

**Short circuit protection – if speaker wires are accidentally short circuited.**

**Overload protection – if the input level is too high for safe operation.**

**DC offset protection – speaker protection against DC voltage.**

In case of any of the above occur during operation, the amplifier will automatically disconnect its output from your speakers.

If this happens please disconnect from mains, turn your volume control down, check your connections and reconnect the amplifier.

### **Note:**

By switching the amplifier to Stand-By will not reset the protection circuitry, please disconnect from mains and reconnect after checking all connections. If the symptom persists, consult your dealer.

## Remote Control Functions:

**The supplied remote is a Sonneteer System remote. With this handset you can also control all other Sonneteer products such as the Byron CD player and the complete Brontë System.**

**For Amplifier functions:**

**Stand-By button:**

Turns the amplifier on or Stand-by.

**Source selection:**

Directly selects the listening source.

**Vol+ / Vol -:**

Increase or decrease the amplifier output volume. (Hold the Vol – button for 15 seconds to change the GAIN setting for each selected input).

**Mute:**

Mutes the amplifier output.

**Left / Right:**

Scroll source selection left or right.

**For CD functions please refer to the CD user manual.**



## Other useful amplifier features

Each time the mains are connected, the amplifier will automatically go into Stand-By mode. If you switch the amplifier on from here then the CD source is selected first.

Each time you switch your amplifier to Stand-By, its internal memory will store your last selected source, so that when you switch on the amplifier next, it will automatically return to the last selected source.

Mute function:

When mute is ON, apart from pressing the Mute button again, pressing any of the Volume buttons will also cancel the mute function.

Programmable Input sensitivity (Via Remote only):

For each source CD, L1-L5 you can program their input sensitivity to either low or high. Their settings will be retained unless the unit has been un-plugged from the mains supply. For safety reasons the default setting for all the input sensitivity is set to the lower settings.

To program each source gain setting, first select the source, then hold down the volume down button for 15 seconds and the GAIN LED indicate the change has been activated. To undo the gain repeat the above process.

**Normally the Low gain is used for Digital sources such as CD, DVD players. Users may find tuners and Tape decks would require the higher gain settings to attain higher playback volume levels.**

# Technical specifications

## **General:**

8-bit Microprocessor controlled integrated amplifier.  
Dual main power supply, dual mono design.  
Separate auxiliary power supply for microprocessor.  
6 input, 2 outputs.  
Pre-out and Line-out.  
Programmable input sensitivity per channel via remote.  
Last source memory.  
Infra-red sensor at front and back for easy home installation  
12V DC output for switching on power amps.  
Remote sensor at rear for home install applications.  
Dimensions (HxWxD) 70mm x 430mm x 280mm  
Net. Weight Approx. 16Kg

## **Performance:**

Power	>33Wrms >50Wrms	@8 Ohms 0.1%THD+N @4 Ohms 0.1% THD+N
Input impedance	10k Ohms	
Gain	27dB	
Input sensitivity:	650 mVrms (Low setting) 300 mVrms (High setting)	
Bandwidth:	8Hz to 80kHz	
THD:	0.01% @1kHz 0.02% @10kHz	@ Full Power @ Full Power

## **Fuse Values:**

UK/Europe/Australasia: 230V/240V, T 4 Amp  
USA/Canada: 110V/120V, T 6 Amp

***SONNETEER reserves the right to change specifications without prior notice.***

If your remote fails to operate the amplifier, please check the batteries first and that the IR sensor on your amplifier is not obstructed!

**If a fault occurs, please refer to your dealer. Do not attempt to repair the unit yourself!**



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