

SOLIS

**USER MANUAL**



**Model No.: BSS-006, SO-8000**

**Bluetooth Amplifier**

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## Safety Instructions

### **They're Important, So Please Read Carefully!**

#### **Please DO...**

- Keep these instructions in a safe place for future reference – you may need them
- The SOLIS works best on a clean, dry and flat surface. Try it, you'll see.
- The SOLIS needs room to breathe, so make sure it's new home has adequate ventilation. Don't put it on beds, sofas, rugs, enclosed bookcases / cabinets or anywhere else where its ventilation maybe obstructed and it can overheat.
- Make sure that your SOLIS is connected to the correct power supply as indicated on the unit.
- Unplug your SOLIS when it's not in use for a long period (days not hours)
- Always make sure power cables are placed safely and not obstructing a walkway.
- If you move your SOLIS from a cool to a warm place, condensation may form on the surface of the vacuum tube. It's nothing to worry about, but allow 1 hour before you switch it on again. This will avoid leakage or a blow out of the vacuum tube due to too much sudden heat.
- You really should get your SOLIS serviced by an authorized service engineer if:
  1. The power supply or cord is damaged
  2. It drops or is struck by a falling object
  3. It's exposed to rain or moisture
  4. Liquid is split on it
  5. It's not operating normally or shows a sudden change in performance

#### **Please DON'T...**

- Don't put your SOLIS anywhere near water – it hates it. So avoid placing it near bathtubs, sinks, washing machines, swimming pools, saunas, Jacuzzis, kettles, precariously balanced pints of beers etc.
- Exposed it direct sunlight or to extremes of temperatures or humidity.
- Don't leave it near direct heat sources such as radiators, stoves, gas fires, naked flames or candles.
- Never drop the unit. It's delicate, so don't apply excessive force to the controls or place heavy objects on top of it either.
- Don't let too much dust gather on your SOLIS – give it a regular wipe with a soft dry cloth. If necessary, use a slightly damp cloth but DO NOT use solvents.
- The SOLIS has valves, and they can get hot. Don't touch the tubes and keep away

from babies and children.

- Don't try to remove the cover or the back – there are no user-serviceable parts, and you don't want to risk an electric shock.

**NOTE: Any unauthorized changes or modifications to this equipment render the manufacturer's warranty null and void.**



## **Amplifier Connections**

- Before connecting anything to or from your SOLIS, switch off the power to the SOLIS and to components you want to connect.
- Make sure that all connections between the SOLIS and other components are made correctly, so L(left) goes to L, R(right) goes to R, + to + and – to –. Don't forget to refer to owner's manual of each component that you want to connect.
- Always turn OFF the power switches when you're connecting or disconnecting from the mains.
- Disconnect the power supply from the mains if you're not planning to use your SOLIS for a while eg holidays.
- Any speakers you connect should have an impedance of 4 ~ 8 ohms, if it's not written on the back of the speaker, check with the distributor.

## **Speaker Connections**

- Connect to your speakers using high quality, bare (stripped) speaker wire. If your speaker wires are not connected properly you may hear no sound at all, or if the wires are mixed up, it will sound weird with a disturbing loss of bass.
- When using bare speaker wires, fit at least 1.6mm of insulation inside the speaker terminals so that there's no bare wire showing.
- Make sure the wire holders are firmly screwed in to stop the wires from becoming loose. If wires touch, the speakers or the unit could be damaged. That's bad.

## The Front

- **Power Switch**

Press to ON for power – the indicator will light up while the power is on. Later on, try pressing it off to give it a rest.

- **Source**

For switching between Bluetooth, Line 1 and Line 2 source from different sound inputs like smartphone device, tablet device, CD player etc.

- **Volume Control**

Full control – you can turn it up or you can turn it down

**NOTE:** Before you switch on, set the volume control to the lowest setting to avoid damage to the speakers. Just in case you don't, the speaker protection circuit will mute the volume for a few seconds after the power is switched on.



**SOURCE KNOB**

**VOLUME KNOB**

## The Back

### 5 minute rule!

Your SOLIS should only be re-started 5 minutes after switching off to avoid damaging the tubes.



OUTPUTS

INPUT

LINE INPUTS

SPEAKER

POWER SWITCH

AC POWER

## Problem Diagnosis

SYMPTONS	DIAGNOSIS	CURE
Won't turn on when the POWER switch is pressed	Power adaptor isn't connected properly; main supply is off	Make sure the power cable is firmly plugged in and mains is switched on
No sound	<p>The volume control is turned all the way to the left.</p> <p>The connection wires are not connected securely to the INPUT terminals.</p> <p>Speakers are not connected properly</p>	<p>Turn the control to the right to crank up the volume.</p> <p>Make sure the cords are fully inserted at both ends.</p> <p>Check that the speaker cables are connected correctly</p>
No sound from left or right speaker	One or both speakers are not properly connected. SOLIS input isn't properly connected	<p>Check both speaker cables and ensure they're connected securely</p> <p>Check the connections between your source and amplifier are correctly and firmly connected</p>
The acoustic image is unstable (sounds unnatural or weirdly bass light)	The positive and negative polarities of the unit and speakers aren't matched	Remove the speaker cables and re-connect them correctly
Crackling sound from speakers	Bad Connection A problem with your audio source	<p>Check docking station connection (or the 3.5mm cable connection if using). Make sure it's using line out, audio out or headphone out from your source, "NOT speaker out".</p> <p>Test the 3.5mm cable with another audio source eg</p>

		CD player, MP3 player
Sound is distorted	Volume level on SOLIS is too high Sound source is distorted	Turn it down a bit, WAV and MIDI files are often poor quality and distortion sounds worse through a quality system – try a different audio source eg CD
Radio Interference	You may be too close to a radio tower	Try moving the speakers to different positions

## Specification

**Bluetooth: CSR 4.0V 8645**

**Frequency Response: 20Hz-20KHz ( $\pm 2.0$ dB)**

**Distortion: <0.5%**

**Signal to Noise Ratio:  $\geq 86$ dB**

**Electron Tubes: 12XA7x2 ; 6E2x1**

**Audio Inputs: RCAx2, Bluetooth 4.0**

**Input Sensitivity: 300mV**

**Output Power: 30W\*2**

**RMS: 17W@THD 10% per Channel**

**Input Impedance: 100 k $\Omega$**

**Output Impedance: 4 $\Omega$  ~ 8 $\Omega$**

**Amplifier Dimensions (WxHxD): 260mmX220mmX160mm**

**Speaker Dimensions (WxHxD): 327mm $\times$ 152mm $\times$ 172mm**

**Total Weight: 7.20 Kgs**

**Includes: Cleaning brush, pair of gloves, 2 sets of speaker cables, 1 sets of RCA cable, power cable, manual**

## Service

**Please contact your local authorized dealer or reseller.**



# FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.