Antelope

OWNER'S MANUAL

SATORI

HIGH-END MONITORING CONTROLLER



WWW.ANTELOPEAUDIO.COM

Owner's Manual

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1. Safety Notes

To reduce the risk of electrical shocks, fire, and related hazards:

- Do not remove screws, cover, or cabinet. There are no user serviceable parts inside. Refer servicing to qualified service personnel.
- Do not expose this device to rain, moisture or spillover of liquid of any kind.
- Should any form of liquid or a foreign object enter the device, do not use it. Switch off the device and then unplug it from the power source. Do not operate the device again until the foreign object is removed or the liquid has completely dried and its residues fully cleaned up. If in doubt, please consult the manufacturer.
- Do not handle the power cables with wet hands!
- Make sure the device is switched off when plugging/unplugging it to/from the power source.
- Avoid placing things on the cabinet or using the device in a narrow and poorly ventilated place which could affect its operation or the operation of other closely located components.
- If anything goes wrong, turn off the device first and then unplug the power. Do not attempt to repair the device yourself: consult authorized service personnel or your dealer.
- Do not install near any heat sources such as radiators, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not use harsh chemicals to clean your unit. Clean only with specialized cleaners for electronics equipment.
- Connect all your devices before powering your unit.
- Your unit should always be un-racked when travelling or in a flight case
- The device is designed to operate in a temperate environment, with a correct Operating Temperature of:

  0-50 °C, 32-122 °F

2. Introduction

Thank you for purchasing the Satori from Antelope Audio.

Studio quality and functionality in a sleek 1Unit rack
Satori is a digitally controlled, true analog monitoring and summing system designed for today's studios. Antelope Orion32 and Zen Studio interfaces have both been praised for their digital clarity, while maintaining the realism of analog sound. Satori features the same high level of uncompromising sound quality thanks to advanced analog circuit design.

The vast assortment of I/O includes: 8 stereo inputs, 4 stereo speaker outputs, a subwoofer output, 4 independent headphone outs, 4 stereo summing inputs and software-driven talkback capability as well as rear panel talkback jack mic input and front panel built-in mic.

A user-friendly control application for Mac OS and Windows allows for advanced remote control of the device and also offers recallable user presets.

Satori is a perfect companion to our very popular Orion32 AD/DA interface and would compliment any mixing or mastering studio, from an expanding home setup to a state-of-the-art recording facility that demands the highest level of monitoring quality today's technology can offer.

For further information, you can also visit our support area online for the FAQ, Help Desk and to register your product at: www.antelopeaudio.com

Enjoy working with the new Satori!

All the best,
The Antelope Team

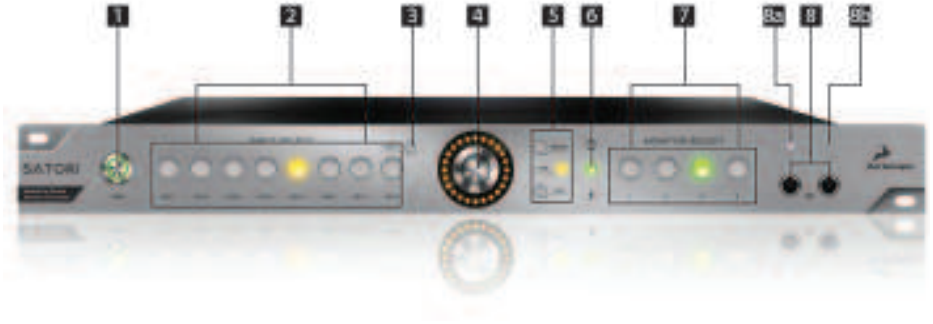
3. Features

- A complete palette of inputs and outputs
- Precise stepped relay volume control
- Four independent headphone outputs with dedicated volume controls
- Analog Summing allowing easy mixing
- Extremely flexible routing
- Analog sound with digital control
- A user friendly desktop application available for both Windows and OS X

4. Installation Guide

1. Connect to the AC power source via rear panel connector (9) and switch the device on (1), then attach the USB cable to the USB port on your computer.
2. Download and install the Satori software control panel from http://www.antelopeaudio.com/en/support/downloads - This will enable you to control your device from your computer and select all necessary settings.
3. Open your control panel by double clicking and follow the device activation procedure.
4. Connect your choice of inputs and outputs to Satori.
5. Note: Make sure your device has the most recent firmware installed.

5. Front Panel Explained



1. **Power button**
   Toggles standby/operation state.

2. **Input Select buttons channels 1-8**
   Input select allows you to switch between your desired input source, which will be fed to your selected monitor output.

3. **Sum Select button**
   The sum select button allows you to send your stereo sum to your selected monitor output.

4. **Rotary control**
   Large stepped relay attenuator for headphone volume and main monitor outputs. Clicking the volume attenuator allows you to select which output you are controlling. Pressing and holding allows you to mute the currently selected output. i.e. Monitor outputs or headphone outputs which is indicated by the LED's (8a and 8b).

5. **Mono, Dim & M/S**
   Pressing the mono button sets the currently selected monitor output to mono. This button corresponds to the last setting selected in the Mono effects dropdown menu in the software control panel.

   Press the Dim button to activate the -20dB attenuator. Press once more to restore normal volume.

   When Mono is activated you also have the option to select M/S. Pressing the M/S button selects either the sum or the difference between the left and the right channel. This supplies a stereo effect, which allows us to monitor just the centre or the just the periphery of the audio.

6. **Talkback button**
   Press the Talkback button to activate the talkback microphone. This can be distributed to your selected headphones using the software control panel.

7. **Monitor Select buttons 1-4**
   These allow you to be able to select between the four monitor outputs. Whatever source is selected will be fed to the selected monitor out.

8. **Headphone Outputs**
   Two independently assignable headphone outputs (HP1 & HP2) selectable and controllable via the main volume control knob. Front panel LEDs: 8a and 8b indicate which headphone output has been selected by clicking the Rotary control (4).

6. Rear Panel Explained



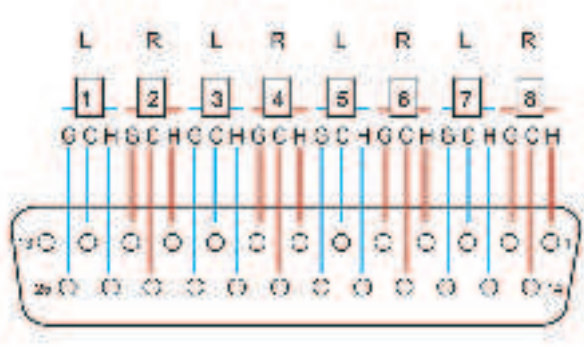
9. **Mains Power Connection**
   The AC connector supports a range from ~95-245 V. This enables the device to automatically accommodate mains voltage in every country.

10. **USB Full-Speed**
    Satori uses USB connector Type B and allows users to connect the Satori's remote control panel both on Windows & Mac OS X.

11. **4 x Stereo Source Inputs**
    Four stereo inputs, one on XLR and three on TRS for connecting a wide variety of inputs.

12. **4 x Stereo Source Inputs on D-Sub with a Thru Output**
    D-Sub Thru, outputs directly all 4 stereo channels inputted through Stereo input channels 5-8.

    The D-Sub inputs, as well as going to the D-Sub Thru, also get summed to the stereo sum output. The D-Sub Inputs are on an 8 channel D-Sub connection. The 8 channels make up 4 stereo inputs, odd numbered inputs being the left signal and even numbered inputs being the right signal.



13. 4 x Main Stereo Monitor Outputs

Four assignable balanced stereo outputs, one over XLR, three over TRS

14. Stereo Sum Output

The stereo sum output takes the summing input channels 5-8 and creates a stereo signal output over TRS.

15. Talkback Mic Input

The talkback input allows you to connect a dynamic mic for a further talkback option utilising your preferred choice of mic.

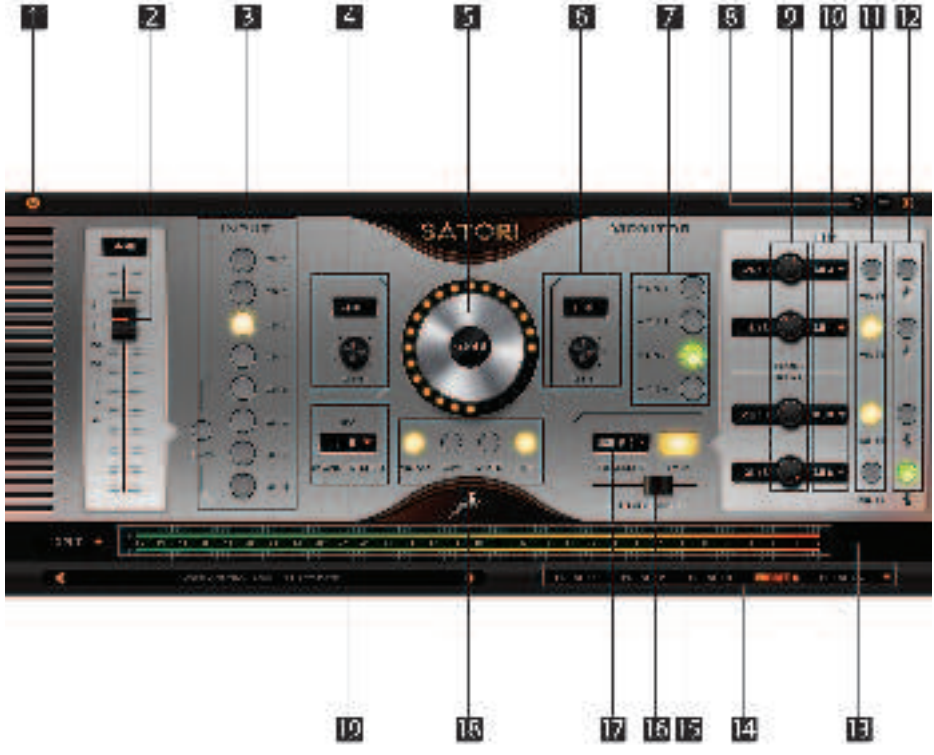
16. Balanced LFE Outputs

LFE stands for Low Frequency Effect. Balanced TRS to connect a sub-woofer, which outputs the currently selected monitor signal

17. Headphone Outputs

Two further independently assignable headphone outputs (HP3 & HP4), selectable and controllable via the main volume attenuator and software control panel.

7. Software Control Panel



1. Standby button
2. Sum Output Fader
3. Input Select 1-8 & Sum
4. Input Trim Offset (-6dB to +6dB in 1dB steps)
5. Main Monitor Volume
6. Output Trim Offset (-6dB to +6dB in 1dB steps)
7. Monitor Select
8. Options Panel



9. 4 x Headphone Volume dials

10. 4 x Headphone Source dropdown menus



11. 4 x Headphone Mute buttons

12. 4 x Talkback activate buttons

13. Peak Meter

14. Presets 1-5

15. Talkback Indicator Light

16. Talkback Volume Fader

17. Talkback Source Select



18. Mono, Dim, Mute, High Pass Filter

19. Stereo Effects



In Standby, the software control panel confirms if the device is connected.





8. Advanced User Tips

8.1. Ground Loop Hum and Noise

The design of Satori minimizes the possibility of ground loop hum and noise. However, we recommend the use of shorter, shielded cables and balanced connections for all the audio signals of your system. All power cables of the system should be connected to a dedicated outlet box or power conditioner unit to avoid ground current noise affecting the audio signal path. It is also advisable to keep the layout of your signal and power cables separate.

9. Additional Information

Additional information regarding operating systems, audio software and media players will be updated through the support area at **www.antelopeaudio.com**

10. In the box

- Satori High-End Monitoring Controller
- Owner's Manual
- Warranty Card
- 1 USB Cable
- 1 AC Power Adapter

11. Technical Specifications

Inputs:	
Analog Inputs:	4 x Stereo Line Level Inputs. Ch1 on XLR & Ch2-4 on TRS
	4 x Stereo Line Level Inputs on D-Sub 25
	1 x Talkback Mic Preamp on TRS
Analog Outputs:	4 x Stereo Line Level Outputs on D-Sub 25
	4 x Stereo Monitor Outputs, Mon1 on XLR and Mon2-4 on TRS
	1 x Line Level Stereo Sum Output on TRS
	1 x LFE Output on TRS
	4 x Headphone Outputs (two on the rear and two on the front) on TRS
USB I/O:	USB 2.0 Hi-Speed, Type B For use with the software control panel
Dynamic Range:	132dB
THD + N:	127 dB
Additional Information:	
Operating Temperature	0-50ºC/32- 122ºF
Weight	2kg/ 4.4lb approx.
Dimensions (approx.):	
Width	483 mm/19”
Height	44 mm/1.75”
Depth	220 mm/8.66”
Power Supply	AC Universal input ~95-245 V
Power Consumption	25 Watts Max

12. Antelope Audio Support Resources

Antelope Audio offers a range of services and support resources for your Antelope hardware, firmware and software control panels.

FAQ
Several categories of frequently asked questions are available on the website:
http://www.antelopeaudio.com/en/support

Telephone Support
Phone line is for general inquiries and technical support: +1 734 418 8661
Hours of Operation: 7:00 a.m. - 3:00 p.m. (EST)

Help Desk
A ticketing system ensures a 24-hour response time:

www.antelopeaudio.com/en/support/help-desk

Please note that the device registration you did for Satori currently does not automatically transfer to our ticketing system and you have to register again on this webpage.

Live Chat
Connect with a customer support agent directly via the website:
http://www.antelopeaudio.com/en/support

Click on Antelope Tab on the right-hand side of the webpage
Hours of Operation: 7:00 a.m. - 3:00 p.m. (EST)

Support Documents and Software
A web resource with all device manuals, datasheets and software:
http://www.antelopeaudio.com/en/support/downloads

Control Panel Newsfeed
The software control panel for Satori incorporates a newsfeed at the bottom, which displays all new updates and relevant information:



You Tube Page
Tutorial videos, interviews, user cases and promos for forthcoming products:
http://goo.gl/yfOmZf

Web Blog
Regular blog posts will update you on the latest user cases with the Satori:
http://www.antelopeaudio.com/blog/en/category/blog-summary/



Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contact. This product should not be mixed with other commercial wastes for disposal.

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Version 1.0 / 21.11.2014