



# SATORI & R4S

TEC Award Winning High-End Monitoring  
Controller

## USER MANUAL



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## BEFORE YOU BEGIN



Thank you for purchasing Satori & R4S from Antelope Audio.

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

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 a rear panel talkback jack mic input and a built-in microphone in the front panel.

A user-friendly control application for macOS and Windows allows for advanced remote control and also offers recallable user presets.

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

Satori is bundled with a bus-powered remote control - R4S. The remote is specially designed for Satori, completely replicating the front panel functionality. It provides engineers with ease and ergonomics, controlling Satori directly from the mix position. R4S allows for lightning fast control of all sources and monitors, as well as talkback.

Should you ever find yourself struggling, do not hesitate to contact our [Customer Support](#) team over phone, live chat and our ticket system. You can also visit [Antelope](#)



[Audio on YouTube](#) and explore our video tutorials or join the [Antelope Audio Users](#) Facebook group and ask for advice. The [Knowledge Base](#) is also a good source of information.

Enjoy working with Satori & R4S!

Best wishes,

Team Antelope

## MANDATORY ONLINE ACTIVATION

Please note that the mandatory device activation procedure requires an active Internet connection on your computer. Activating an Antelope device offline is not possible.

## INSTALLATION GUIDE

### Satori

1. Connect to the AC power source via the rear panel connector and switch the device on from the power button.
2. Attach the USB cable to the USB port on your computer.
3. Download and install the Satori software control panel [from here](#). This will let you control Satori from your computer.
4. Open the Control Panel by double clicking and follow the device activation procedure.
5. Connect your choice of inputs and outputs to Satori.

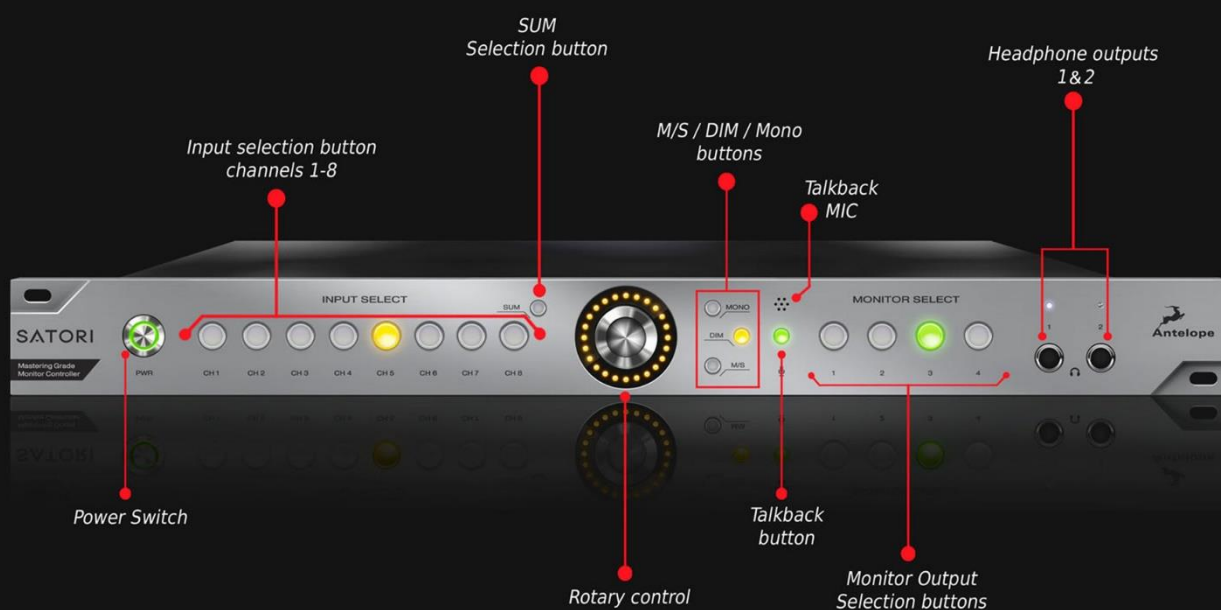


## R4S

6. Simply connect the USB cable between the rear panel of R4S and the computer on which you are running the Satori Control Panel application. Note that R4S is bus-powered from the USB port and does not require a separate power supply.

## FRONT PANELS EXPLAINED

### Satori



#### 1. Power button

Toggles Standby/On state.

#### 2. Input select buttons channels 1-8

Input select lets you switch between your desired input source, which will be fed to your selected monitor output.

#### 3. Sum select button

The sum select button lets you send your stereo sum to your chosen monitor output.



#### **4. Rotary control**

Large stepped relay attenuator for headphone volume and main monitor outputs.

- Press the volume attenuator to choose which output you are controlling.
- Press and hold to mute the currently selected output. i.e. Monitor outputs or headphone outputs as indicated by the LEDs.

#### **5. Mono, Dim & M/S**

- Press the mono button to sum the currently chosen monitor output to mono. This button corresponds to the last setting chosen in the Mono effects dropdown menu in the Control Panel application.
- Press the Dim button to activate the -20dB attenuator. Press once more to restore normal volume.
- When Mono is active, you also have the option to select M/S. Press the M/S button to select either the sum or the difference between the L/R channels. This lets you monitor only the centre or only the periphery of your audio.

#### **6. Talkback button**

Press the Talkback button to activate the talkback microphone. Talkback can be distributed to your chosen headphone output(s) from the Control Panel application.

#### **7. Monitor select buttons 1-4**

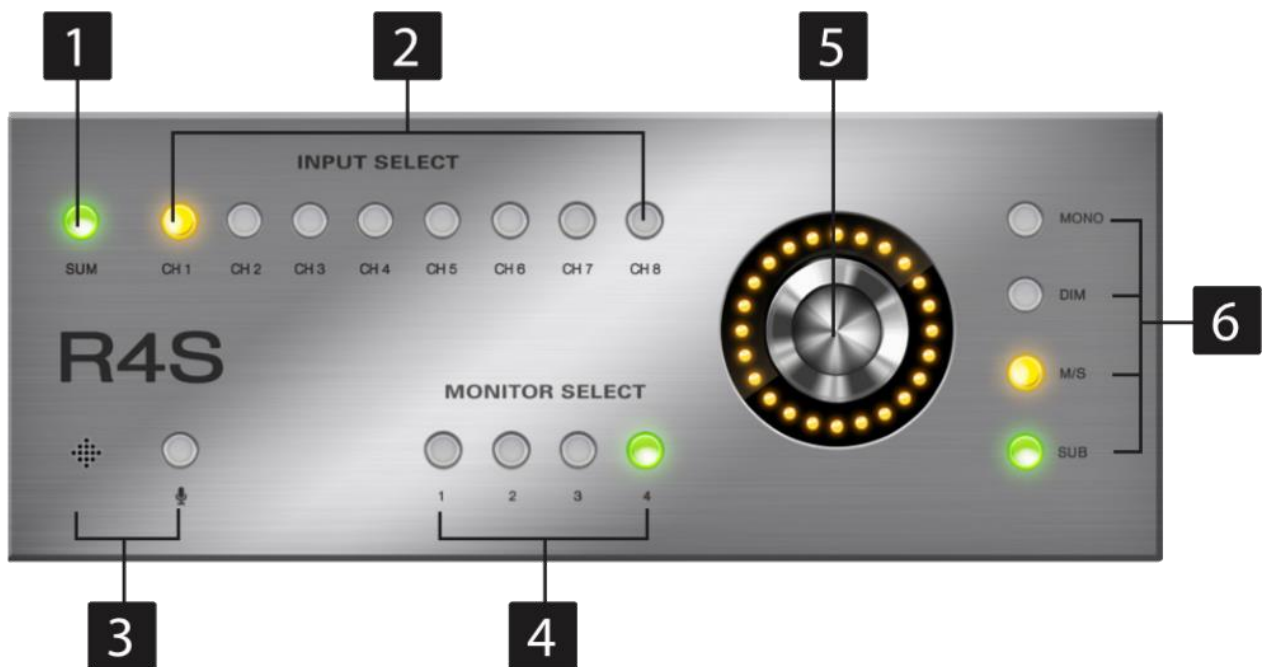
Press to choose between the four monitor outputs. The chosen source will be fed to the selected monitor out.



## 8. Headphone outputs

Two independently assignable headphone outputs (HP1 & HP2), selectable and controllable from the main volume control knob.

## R4S



### 1. SUM Select button

Press to send the stereo sum to the chosen monitor output.

### 2. Input Select buttons, channels 1 - 8

Switch your desired input source, which will be fed to your chosen monitor output.

### 3. Talkback button

Activates the talkback microphone. Talkback can be distributed to your chosen headphone output(s) from the Control Panel application.



#### 4. Monitor Select buttons 1 – 4

Switch between the four monitor outputs. The chosen source will be fed to the selected monitor out.

#### 5. Rotary control

Large stepped relay attenuator for the main monitor output.

- Turn clockwise or counterclockwise to adjust level.
- Press-and-hold to mute.
- To access the Trim Offset feature, press and hold the desired 'Monitor' (1, 2, 3, 4) or 'Input' (Ch. 1 – 8) button. Turn the rotary control to adjust trim (-6dB to +6dB) or double-press to return to 0dB.

#### 6. Mono Dim, M/S & Sub

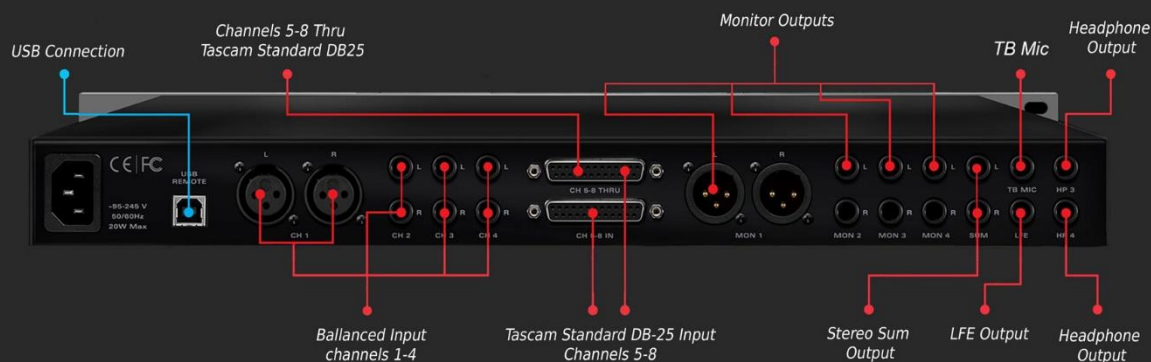
- Press the Mono button to sum the currently chosen monitor output to mono.
- Press the Dim button to activate the -20dB attenuator. Press once more to restore normal volume.
- When Mono is active, you also have the option to choose M/S. Press the M/S button to choose either the sum or the difference between the L/R channels. This lets you monitor either the center or the periphery of your audio.
- Press the Sub button to activate the LFE (low frequency effect) output.





# REAR PANELS EXPLAINED

## Satori



### 1. Mains Power Connection

The AEC connector supports a range from ~95-245 V. This lets the device automatically accommodate mains voltage in every country.

### 2. USB Full-Speed

Satori uses an USB connector Type-B and lets users connect to the Windows & macOS Control Panel application.

### 3. 4 x Stereo Source Inputs

Four stereo inputs, one on XLR and three on TRS for connecting a wide variety of inputs.

### 4. 4 x Stereo Source Inputs on D-Sub with a Thru Output

D-Sub Thru, outputs all 4 stereo channels coming 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.



#### 5. 4 x Main Stereo Monitor Outputs

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

#### 6. Stereo Sum Output

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

#### 7. Talkback Mic Input

The talkback input lets you connect a dynamic mic for another talkback option, using your preferred microphone.

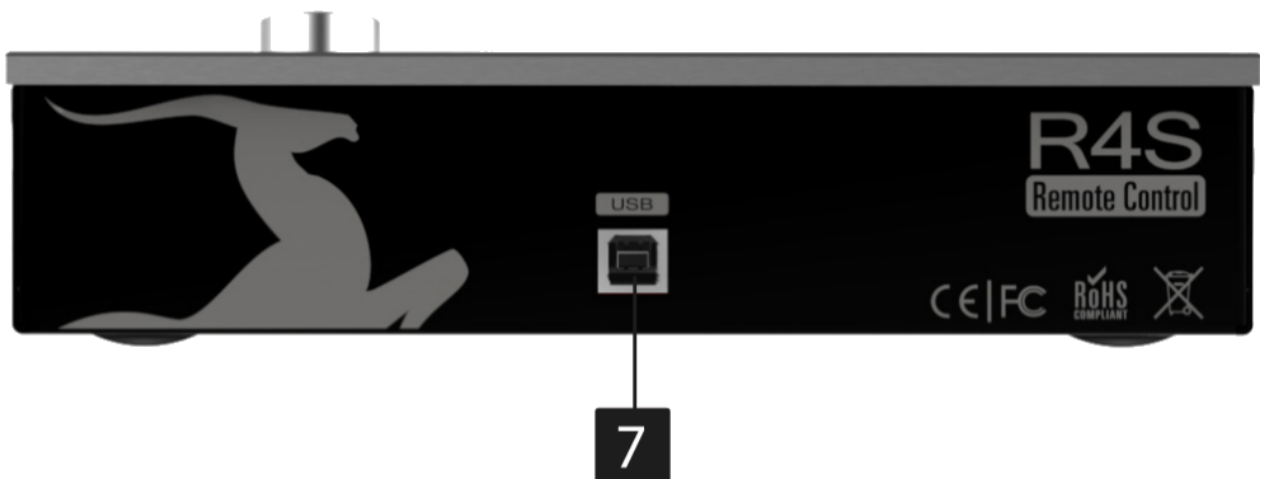
#### 8. Balanced LFE Outputs

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

#### 9. Headphone Outputs

Two further independently assignable headphone outputs (HP3 & HP4), selectable and controllable from the main volume attenuator and the Control Panel application.

## R4S





## 7. USB Type-B Connector

R4S uses an USB Type-B connector for power and computer connection.

# CONTROL PANEL APPLICATION



The Windows & macOS Control Panel application mirrors the functionality of Satori's front panel controls, not unlike how R4S does it. It also provides metering and save/recall of up to 5 presets. Click on PRESET 1 - 5 to recall a preset. Ctrl + Click (Win) / Command + Click (Mac) on PRESET 1 - 5 to save into that slot.

# CUSTOMER SUPPORT INFORMATION

Antelope Audio Customer Support can be reached by the following means:

## Online

Visit [support.antelopeaudio.com](https://support.antelopeaudio.com)

## Phone

US time: 12AM (midnight) – 8PM (CST), Monday – Friday

US Phone Number: [\(916\) 238-1643](tel:+19162381643)

European time: 6AM – 2AM (GMT), Monday – Friday.

UK Phone Number: [+44 1925933423](tel:+441925933423)



## Live Chat

US time: 12AM (midnight) – 2PM (CST), Monday – Friday

European time: 6AM – 8PM (GMT), Monday – Friday.

**Note:** If you're trying to reach us outside working hours, we advise you to file a ticket in our customer support system or leave a voice message.

## Additional Resources

- The [Antelope Audio YouTube channel](#) is home to various tutorial videos and endorser content which you may find helpful and inspiring.
- The [Antelope Audio Users Facebook group](#) lets you interact with fellow users and some of our employees. Note, however, that it is not meant to be a support group. Please contact our customer support team for such inquiries.
- The [Knowledge Base](#) in our Customer Support section is an often-overlooked source of troubleshooting information, answers to commonly asked questions and Antelope know-how.

# MY ANTELOPE AUDIO PRODUCT ISN'T WORKING.

## WHAT SHOULD I DO?

If you can't find a solution on your own, please get in touch with us so we check if you are having a hardware-related issue. If this is the case, we'll guide you through the repair process. If the product should be returned, a RMA number will be issued so we can begin the procedure.



## What's an RMA number?

Issuing a RMA (Return Merchandise Authorization) number is required for any factory service or repair procedure. Please, don't attempt to send us your device without receiving a RMA number first, as the device will be returned and not serviced.

## How do I get an RMA number?

The Antelope Audio Customer Support team is in charge of issuing RMA numbers. Visit [support.antelopeaudio.com](https://support.antelopeaudio.com) and get in touch.

After your RMA has been issued, you will receive an email with instructions on how to proceed.

## RMA shipping information

Alongside the product you are returning please, include a letter containing your full name, shipping address, RMA number issued by our technical support team and a note with a short information about the technical issue.

Please use the original box if possible, because a worn out one will surely not protect your product sufficiently on its way to the Antelope Audio HQ. Additional cushioning materials in multiple layers between the unit and the box walls to prevent from shock, vibration and various tears and scratches.

Please remove any labels or old shipment markings it may have and ensure you add your shipping address inside the box in case the original shipment label becomes illegible during transportation.

The shipping costs are covered by the owner of the product. Antelope Audio will not cover any local customs charges.

We recommend using a courier service of your choice (e.g. DHL, UPS, FedEx). The package should be insured for its real value, marked as fragile and a tracking number should be provided. We do not recommend using standard mail delivery services.



Please, don't forget to add the RMA number, issued by the Antelope Audio technical support, on all shipping paperwork.

Antelope Audio cannot be held responsible for undelivered packages – lost or damaged on the way to the Antelope Audio HQ. For damage claims, please contact your shipping service provider of choice.

Antelope Audio cannot cover any repair costs for product damages due to poor packaging.

## **LIMITED WARRANTY POLICY**

This is a non-transferable voluntary Limited Product Warranty provided to end-customers who have purchased Antelope Audio-branded hardware product (hereinafter referred to as “Product”) from an authorized Antelope Audio re-seller.

For customers covered by consumer protection laws or regulations in their country of purchase or, if different, their country of residence, the benefits conferred by Antelope Audio's Limited Warranty are in addition to, and not instead of, rights and remedies convened by such consumer protection laws and regulations and it does not exclude, limit or suspend buyer's rights arising from consumer law. Consumers have the right to choose whether to claim service under the Antelope Audio Limited Warranty or under their consumer law rights.

All claims made under the Antelope Audio Limited Warranty will be governed by the terms set out in this warranty document.

### **Warranty Coverage**

Antelope Audio warrants that the Product will be free from defects in material and workmanship for the period of 1 (one) year commencing on the date of purchase of Product by end-customer from authorized Antelope Audio's re-seller.



Except where explicitly prohibited by applicable local law, this warranty is limited to the original purchaser and is non-transferable. This warranty provides you with specific legal rights, and you may have additional rights that vary under local laws.

In general, this warranty means your Antelope Audio hardware product will operate in accordance with published technical specifications, as specified by its data-sheet, and in the operating environment for which it was intended for the length of the warranty period.

This version of the warranty applies to products purchased on or after January 1, 2018. For prior versions of the Antelope Audio limited warranty, please contact customer service.

### **Limited Factory Refurbished (B-stock) Warranty**

Antelope Audio warrants products sold as “B-stock, Factory Refurbished or Open Box” to be free from defects in materials (unless otherwise stated in product description) and workmanship. Only products purchased from an authorized dealer or directly from Antelope Audio are covered by this Warranty.

The Limited Factory Refurbished (B-stock) Warranty is valid for the period of 6 (six) months, commencing on the date of purchase of Product, if local regulations do not require otherwise.

All warranty terms contained hereunder apply also to the B-stock Warranty, unless otherwise specified.

### **Remedies**

Antelope Audio’s entire liability and your exclusive remedy for any Antelope Audio Product that is not operating in accordance with its published technical specifications is at Antelope Audio’s discretion:

1) to repair the Product at Antelope Audio’s expense using new or equivalent-to new refurbished parts in good working condition; or



2) to replace the Product at Antelope Audio's expense with a product with equivalent functionality formed from new and/or equivalent-to new refurbished parts in good working condition, or

3) to refund the price paid. Should Antelope Audio decide to refund the price paid, it may deduct from the paid Product's price any damages caused to the Product; where, within fourteen (14) days of the expiration of the warranty period,(i) Antelope Audio has received written notice of any nonconformity;(ii) after Antelope Audio's written authorization, customer has returned the nonconforming product to the designated place; and (iii)Antelope Audio has determined that the Product is nonconforming and that such non conformity is not the result of any of the exclusions designated below.

These warranty obligations are conditioned upon the hardware being returned to the original place of purchase, or another place as directed by Antelope Audio, with the original sales receipt attached. You will be required to pay shipping and handling charges for returning the product. You may be required to pay any other applicable tariffs, duties, taxes, or other fees with regard to returning the products.

Any repaired or replacement Product will be warranted for the remainder of the original warranty period.

### **Obsolete or Discontinued Products**

An obsolete or discontinued product will be repaired or replaced with the same product if available. If Antelope Audio is unable to replace your obsolete or discontinued product with the same product, Antelope Audio will replace the obsolete or discontinued product, in its sole discretion, with a product having similar function and capacity.

### **Exclusions**

This warranty does not cover problems or damage resulting from, but not limited to, any of the following: (i)Wear and tear associated with normal use; (ii)Any modification, abuse, accident, disassembly, misapplication, misuse, negligence, acts of God, accident; (iii)Unauthorized repair or attempted repair by anyone other than Antelope Audio or someone authorized by Antelope Audio to do warranty work; any unauthorized repairs will





void this warranty (iv) Any improper operation, maintenance or installation, including any use not in accordance with any supplied product instructions; (v) Connection to any improper voltage supply; (vi) Use of consumables or spare parts not supplied by Antelope Audio, except where such restriction is prohibited by applicable local law; (vii) Any other cause which does not relate to a Product defect in materials or workmanship.

The warranty does not apply to any Products which have been subject to misuse, neglect, accident or modification or which have been soldered or altered such that they are not capable of being tested under normal test conditions.

This warranty does not cover (i) any counterfeit products, i.e. Products that Antelope Audio, at its sole discretion, determines were not manufactured by Antelope Audio or any of its authorized manufacturing partners; (ii) Products purchased from a person or entity which is not an authorized dealer or re-seller of Antelope Audio; (iii) Product sold “as is” or “with all faults”, to the extent permitted by local law.

This warranty is not valid in case any manufacturer label(s), serial numbers, date stamp(s) or warranty sticker(s) has been altered or removed from the Product.

### **Limitation of Liability**

ANTELOPE AUDIO SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, REVENUE, OR DATA (WHETHER DIRECT OR INDIRECT) OR COMMERCIAL LOSS FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON YOUR PRODUCT EVEN IF Antelope Audio HAS BEEN ADVISED PREVIOUSLY OF THE POSSIBILITY OF SUCH DAMAGES. Some local laws do not allow the exclusion or limitation of special, indirect, incidental or consequential damages, so this limitation or exclusion may not apply in your jurisdiction.

ANTELOPE AUDIO WILL NOT ASSUME OR AUTHORIZE ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH ITS PRODUCTS.

### **Data Recovery**

In the event of data loss using Antelope Audio storage devices, Antelope Audio is not responsible for backing up or recovering any data that you may have lost.



## **No Other Warranties**

No Antelope Audio employee, dealer, re-seller, or other agent is authorized to make any modification, extension, or addition to this warranty.

## **How to Make a Warranty Claim**

Valid warranty claims should be processed through your point of purchase. Please also verify the return policy directly with the retailer where you purchased your product. Any warranty claims that cannot be reprocessed through your original point of purchase should be addressed directly to Antelope Audio. Our customer service contact information can be found on the web or in the documentation included with your Product.

## **Returning Your Product**

In the event that you need to return your Antelope Audio products for repair or replacement, Antelope Audio will provide you with a Return Merchandise Authorization Number (RMA#) as well as return instructions. Do not return your product without prior approval from Antelope Audio. Any product returned without a valid unique RMA# will be refused and returned to the sender at the sender's expense. To avoid problems at the time of receipt, clearly write your RMA# on the outside of the package and include a copy of your RMA confirmation-mail within the package.

In certain situations, for in-warranty units, we may (entirely at our opinion) offer you a temporary replacement unit, provided that we have such on stock in your state. To request a temporary replacement unit, a valid credit card must be provided to secure the new replacement unit for shipping prior to Antelope Audio receiving the defective one.

## **Request a Return Material Authorization Number (RMA#)**

Please follow these steps to obtain an RMA number:

(I) For end user customers, submit a claim online at: [support.antelopeaudio.com](https://support.antelopeaudio.com). For business to business (B2B) / Direct customers of Antelope Audio please email us at [techsupport@antelopeaudio.com](mailto:techsupport@antelopeaudio.com)



(ii) A valid proof of purchase is required for RMA processing (i.e. receipt, invoice, etc). Antelope Audio will provide you with the RMA number within 2 working days as of the claim submission date.

## **RMA Return Addresses**

We have multiple RMA receiving locations worldwide. Your RMA confirmation will specify the specific return address you must use when sending your RMA package. Any packages received at an unauthorized location may be refused and returned to the sender at the sender's expense.

## **Products Lost or Damaged During Transit**

The original packaging material should be used to pack the product for return; if the original packaging is not available, you should use such materials that provide the same or greater protection to the product. All packages that arrive with any external damage or appear inadequately packed will be refused and returned to the sender at the sender's expense. We are not responsible for damage incurred during shipping to our RMA receiving locations or for lost or stolen products.

## **Company information**

**Antelope Audio** is the trade name, under which the company Elektrosfera Ltd., registered under the legislation of the Republic of Bulgaria with UIN: 131052590, is doing business and is worldwide known. Elsewhere in this document where the trade name **Antelope Audio** is used shall refer to Elektrosfera Ltd., with address of management: Tsarigradsko Shose Blvd., 7th km, Building of BIC IZOT, floor 6, Mladost region, Sofia, Bulgaria.

If any term hereunder is held to be illegal or unenforceable, it shall be severed from this warranty and the legality or enforce ability of the remaining terms shall not be affected.



## 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.
- 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 instead.
- 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.
- This unit is connected via its power cord to the mains safety earth.
- Never operate the unit without this earth connection.
- DC power supply cable should be routed so that it is not likely to be walked on or squeezed by items placed upon or against it.
- To completely turn off the device, unplug the power cable first from the outlet and then from the rear panel of the unit.
- Both occasional and continued exposure to high sound pressure levels can cause permanent ear damage via headphones and monitors.
- Your unit should always be un-racked when traveling 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.

## TECHNICAL SPECIFICATIONS

### Satori

#### ✓ ✓ Analog Inputs

4 x Stereo Pair 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 Pair 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

127dB

#### ✓ ✓ Operating temperature

0-50° C / 32-122° F

#### ✓ ✓ Weight

~2kg / 4,4lb approx.

#### ✓ ✓ Dimensions

Width: 483 mm / 19" /Rack/  
Height: 44 mm(1U) / 1,75"  
Depth: 220 mm / 8,66"

#### ✓ ✓ Power Supply

AC Universal input ~95-245 V

#### ✓ ✓ Power Consumption

25 Watts Max.

### R4S

**USB:** USB 2.0 Full-Speed interface on USB Type B connector

**Operating Temperature:** 0-50°C, 32-122° F

**Weight (unit):** 0.71 kg, 1.57 lb

**Dimensions (unit):** 220 mm(W) x 55 mm(H) x 85 mm(D), 8.66"(W) x 2.22 "(H) x 3.31"(D)