

# SIA-030

## Owner's Manual



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# on a personal note

## Certificate

Model: SIA-030

Product ID/Serial

---

Product Build Date

---

Signed

---

All product details, specifications and measurements are recorded for your SIA-030 and kept by Vitus Audio.



# from the creator

## Foreword

First of all, thank you for choosing the Vitus Audio SIA-030 integrated amplifier, we are sure you will enjoy it for many years to come.

When purchasing a Vitus Audio product, you are guaranteed a musical performance, which exceeds the current musical standards.

Vitus Audio is dedicated to musical performance rather than technical details and high performance measures. We believe that many manufactures are blinded by the current available theory, instead of looking for new answers.

At Vitus Audio everything works until proven not to. This way we always try to push the limits and explore the unexplored. As a result of this, many of the solutions we use today are considered to be "impossible to ever get working", however they have convinced many people and reviewers world wide of the opposite. Before any of our new topologies are implemented in our products, they are carefully reviewed by our dedicated listening panel. This way we can guarantee the correct level of musically performance and robustness.

Generally we're after super neutral, super detailed and super dynamic reproduction without "loosing" the nerve in the music which often is a drawback of many high end amplifiers. Our real strongholds are complete silence, unbelievable depth and width in the soundstage resulting in a far more open sound with higher resolution -you could say, closer to the artist. As a result of the above, our amps do not "focus" on any specific frequencies - i.e. no extension of top or bass, which of course results in high clarity of the midrange since it's "naturally present"!

Hans Ole Vitus



# introduction

## About this manual

This is your SIA-030 owner's manual. The following pages will describe, as clearly as possible, how to get your SIA-030 operating fast and simple. Although some operations are self-explanatory, we strongly suggest you read this manual to avoid any damage to the unit. The manual is designed to be helpful. If there are points you feel we could cover better, or that we have missed out – please tell us, by sending an email with your finding to:

[sales@avagroup.nu](mailto:sales@avagroup.nu)



Important information is presented like this. Ignoring this information may cause damage to you or the unit. Damage caused to the unit by ignoring this information might invalidate the warranty.

## Introduction to the Signature Series

The Vitus Audio Signature Series is a true high-end series of products, which build on our true dedication to neutral music reproduction. Every detail is carefully thought through, and all choices made during development, where based purely on listening, and hereafter measuring with the absolute top of the line testing equipment. Only the best available materials are used to ensure an overall quality which will last for many years, when treated right.



# introduction



This amplifier is VERY heavy – make sure to be at least two people to unpack the unit. You might damage both your back and the amplifier if extra care is not applied. Vitus Audio A/S can't be held responsible for any damage that is a consequence of uncareful handling of the unit.



# 1. getting started

## Unpacking the box

After you have removed the top, it is possible to remove the foam top and top foam corners. Now remove the white foam front and the wooden box sides. Two people can carefully lift the amplifier of the bottom foam corners and put it directly onto the floor. Store the empty box and protective foam for later use.

## What's in the box

SIA-030  
RC-010 Remote  
RC-010 Charger  
Power Cable  
USB with Manual & Brochure

Box Top  
Foam Top  
Top Foam Corners  
Front and back foam (not shown)  
Bottom Foam Corners  
Box Sides  
Box Bottom

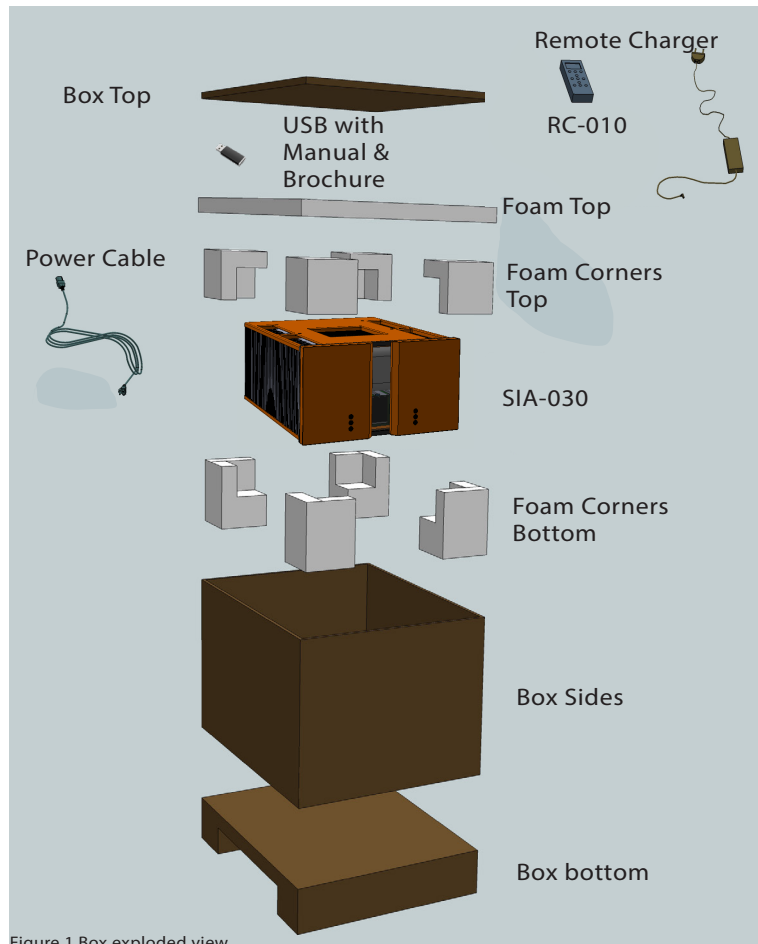


Figure 1 Box exploded view



# 1. getting started

## Device overview

The body of the SIA-030 is constructed of anodized and painted aluminium.

Material: anodized/painted aluminium.

Dimensions (H x W x D):  
270 x 435 x 525

Weight: 63 kg

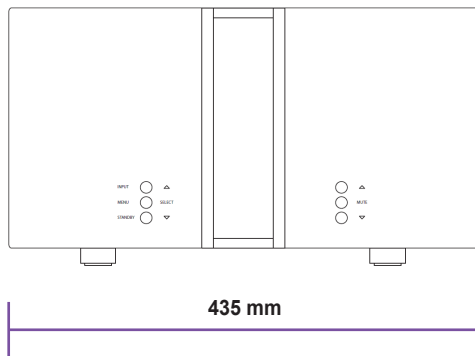
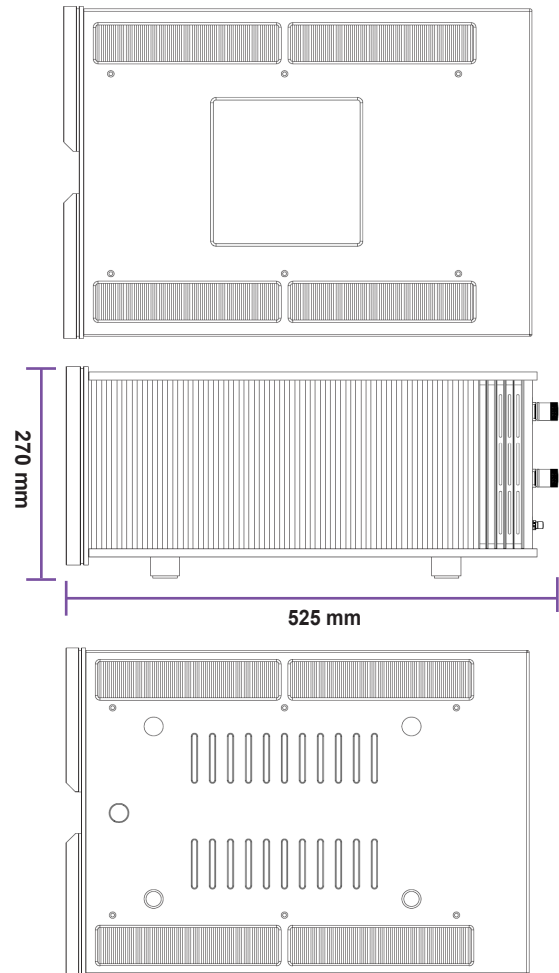


Figure 2 Device overview



# 1. getting started

## The topology of the volume control

The topology of the volume control used in the SIA-030 is very different compared to the "standard". The SIA-030 uses a series of fixed resistor networks to control the volume. Relays are used to switch between the resistor networks. Across all volume steps, a fixed resistor is in series with the signal path. This gives the best performance possible. When you change volume, a different number of shunt resistors are used.

To prevent pop in the output, we have chosen to first add the new shunt resistors, and then wait a short time, before removing the unused shunt resistors at the new volume step. This will give a minor fall in volume before settling at the new volume step. It takes very little time to get used to this type of operation of the volume, and it will give you superior sound quality over the traditional digital and analogue potentiometers.

The topology of the volume control, was updated early 2019, to be implemented in the Masterpiece Series Linestage (MP-L201). This offers a new resolution of 0.5dB for every volume step through out the volume control, ranging from -99dB to +18dB . Even though the space available inside the SIA-030 is extremely limited, we decided to integrate this new volume control anyway. This has only been made possible, due to our in-house PCB manufacturing, and resulting high level of integration we are able to achieve due to our control even on this level..



# 2. connecting

## Turning the SIA-030 on and off.

Always turn on the products beginning from the source:

Source ⇨ Integrated Amplifier.

Always turn off your products in reverse order:

Integrated Amplifier ⇨ Source.

Power button can be found under bottom at center front - see illustration on page 14. Press the power button and dimmed VA logo will appear. Push standby button on left front, making the front display light up together with the blue light around the power button.

To power off the SIA-030, simply use the standby button. If you wish to completely power off the SIA-030, use first the standby button, followed by the power on/off button .



Not following this procedure, may cause damage to any of your products/speakers. Damage caused to any of your products/speakers by not following this procedure will invalidate the warranty.

Please note!  
The main power on/off button is situated at the bottom, at the center of the front panel



# 2. connecting

## SIA-030 rear panel

### Outputs

Speaker Left  Speaker out

Speaker Right  Speaker out

Preout RCA  RCA out

### Inputs.

Input 1,2. RCA  RCA in

Input 3,4,5. XLR  XLR in


Power  Power in

## Connecting the SIA-030

Place the SIA-030.  
Connect all the sources to the inputs of the SIA-030, (labelled INPUT 1 to 5 on the rear panel.)

Connect the Speaker output of the SIA-030. Carefully connect the mains to the amplifier, after you have connected both inputs and outputs.

The pre-out connectors can be connected to a power amplifier for biamping or an active sub.

 This is a true balanced amplifier, DO NOT connect the “-“output (Figure 3) to any ground source, including chassis or signal ground, this will damage the amplifier and invalidate your warranty.

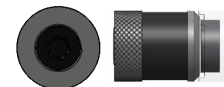


Figure 3 “–“output

# 2. connecting

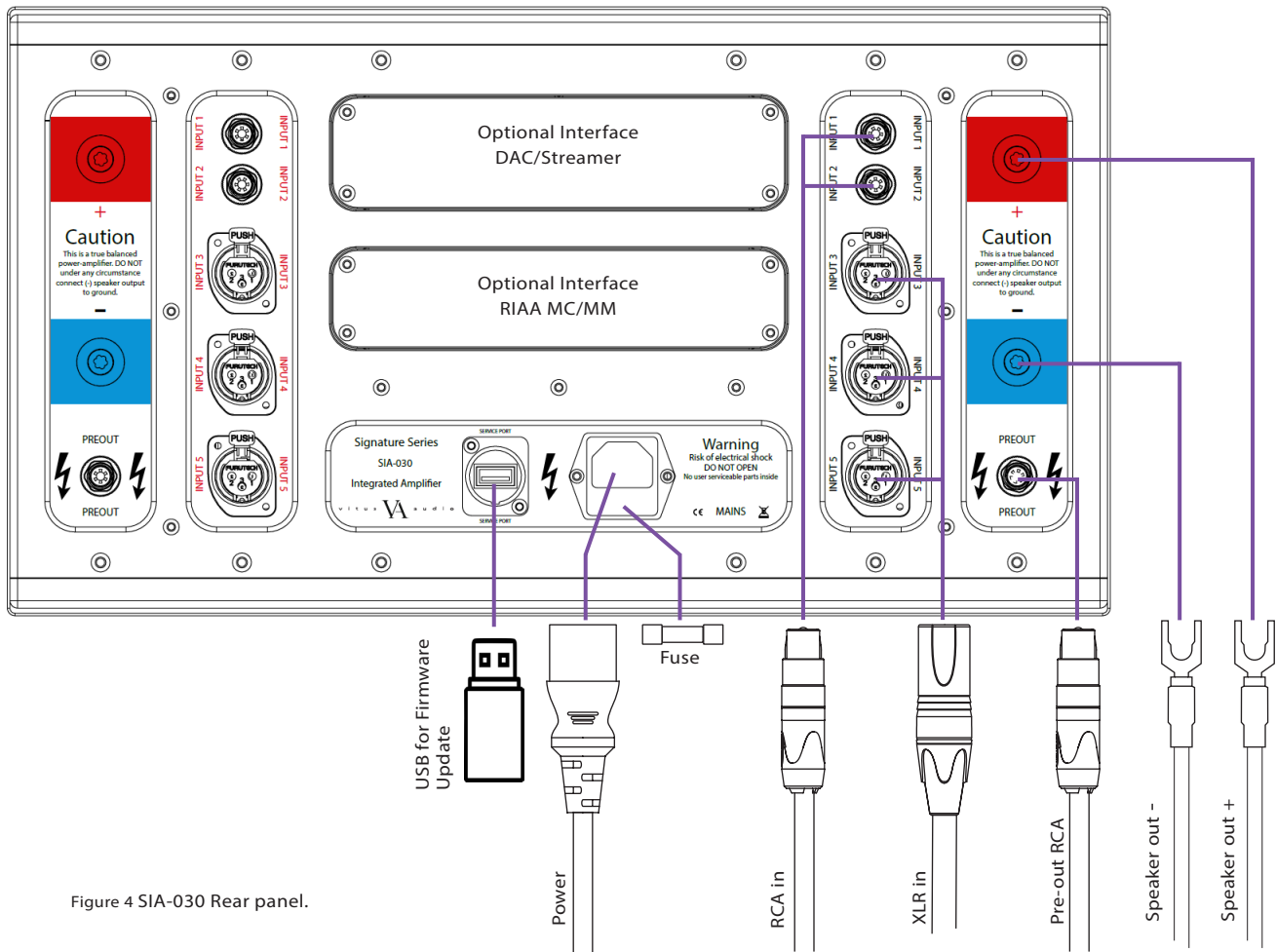


Figure 4 SIA-030 Rear panel.



# 3. operation

## Operation modes



Power on/off button is located at the bottom center of the front,

Figure 5 SIA-030 Front panel.

# 3. operation

## Operation modes

The SIA-030 has 3 operation modes

### 1. Normal mode.

This is the mode you use when listening to music.

### 2. Menu mode

In this mode you can alter the settings of the SIA-030.

### 3. Standby mode.

In this mode the controls of the SIA-030 are deactivated.



# 3. operation

## Functions – left front panel

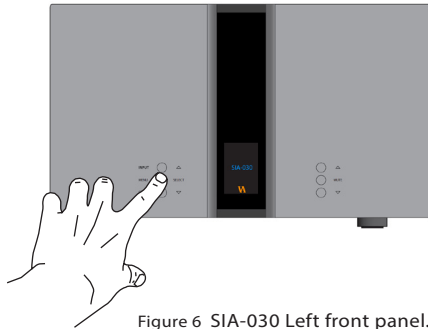


Figure 6 SIA-030 Left front panel.

### Normal mode

In normal mode there are 3 basic functions/buttons available on the left front.

1. INPUT Selects between the 5 inputs
2. MENU Switches to "Menu mode"
3. STANDBY Switches in and out of "Standby Mode"

### Menu mode

You enter menu mode, by pushing the "MENU" button once in Normal mode. In the Menu mode there are 3 basic functions/buttons.

1.  $\triangle$  Scroll Forward in the menu
2. MENU/ Enter & Exit  
SELECT submenus and select settings
3.  $\nabla$  Scroll Backward in the menu





# 3. operation

## Functions – right front panel

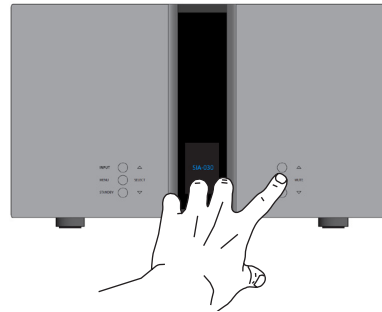




Figure 7 SIA-030 Right front panel.



### Normal mode

In normal mode there are 3 basic functions/buttons available on the right front.

1.  Turns volume UP.
2. MUTE Mutes the output.
3.  Turns volume DOWN.

### Menu mode

In the text-menu it is possible to change the name of the input. This is done by using the following buttons from the right front.

1.  Change selected character.
2. MUTE Go to the next character in the display.
3.  Change selected character.



# 3. operation

## SIA-030

### The elements in the menu.

In the menu, you can modify the settings of the SIA-030. You do this by entering the menu.

On page 21 you can find a graphical reproduction of the menu.

The sub-menus are indicated with colours.

**CLASS**, **MODE**, **COLOR**, **BALANCE**, **INPUTS**, **RESET**, **V.INIT**, **DATA** and **BRIGHT**.

In the examples (chapter 7) you can find various examples of how to change the settings of the SIA-030.

### SETUP

Change the settings of the SIA-030.

### CLASS

Select if the SIA-030 should operate as a Class A or Class AB amplifier.

### Mode

Select if the SIA-030 should operate in Classic or Rock mode.

### COLOR

Change the color of the text and logo in the display.

### BALANCE

Change the Left / Right balance to any step between +12 dB Left and +12 dB Right.

### DATA

Shows information about this SIA-030.

### RESET

Restore the settings of the SIA-030 to its default settings.

### V.INIT

Change settings for the initial volume step of the SIA-030.

### VOL.STEP

The SIA-030 has a default volume step of -50 dB. You can set the volume step to a step, between -99 dB to +18 dB. This step will be the new default volume step. Even after the power cord has been disconnected the SIA-030 still starts up in the new volume step.

### REMEMBER

Set the SIA-030 to remember the current volume step. The SIA-030 will start up in this volume step when it leaves standby. This volume step however is not remembered when the power cord is removed. Then the SIA-030 will initiate in the volume step as it is defined in the VOL.STEP sub-menu.

### BRIGHT

Change the brightness of the display to 0, 1, 2 or 3.



# 3. operation

## INPUTS

Change settings for each input.

## INPUT X

The SIA-030 has 5 inputs. The settings of each individual input can be adjusted in the menu. The input selection is saved automatically every 10 minutes. Each time you initialize the SIA-030, the last saved setting is restored. You can manually save a setting by pressing the MENU button down for 2-3 seconds. When "SAVE" is shown in the display, the setting is saved.

## TEXT

By default the inputs are named input 1, input 2, etc. In the text-menu you can find a list of predefined input names. If the name of your device is not on the list, you can choose to make your own device name.

## FIXED

Lock and unlock the volume by switching between FIX ON/FIX OFF.

## SET FIX

Set the volume of input X to a fixed dB step. Input X is now locked to a dB step and can't be adjusted with the volume control.

## ADJUST

Adjust the fixed dB step to any step between -99 dB and +18 dB. This function is only available when FIX ON is selected.

## OFFSET

Offset gain setting. Different sources often have different output voltages. This has a direct influence on the typical volume level that is needed for a specific sound level, hence changing between sources can result in a high sound level difference. To accommodate easy operation, we have included an offset gain in our amplifiers - it simply offsets the volume starting point at a specific volume to match the source. The offset-value can be set from -12 dB to +12 dB.

## SENS

Devices can have differences in output level. You can adjust the sensitivity of each input between  $\leq 2 \text{ Vrms}$ ,  $\leq 4 \text{ Vrms}$ ,  $\leq 8 \text{ Vrms}$  to minimize these differences and to prevent clipping of the input. The sensitivity level needs to be higher than the input level.

## USED

If you only use some of the inputs, it is possible to disable the inputs that are not used. Using the "Input" button, the system skips the disabled inputs, and jumps to the next used input.



# 3. operation



# 3. operation

SIA-030 The menu structure

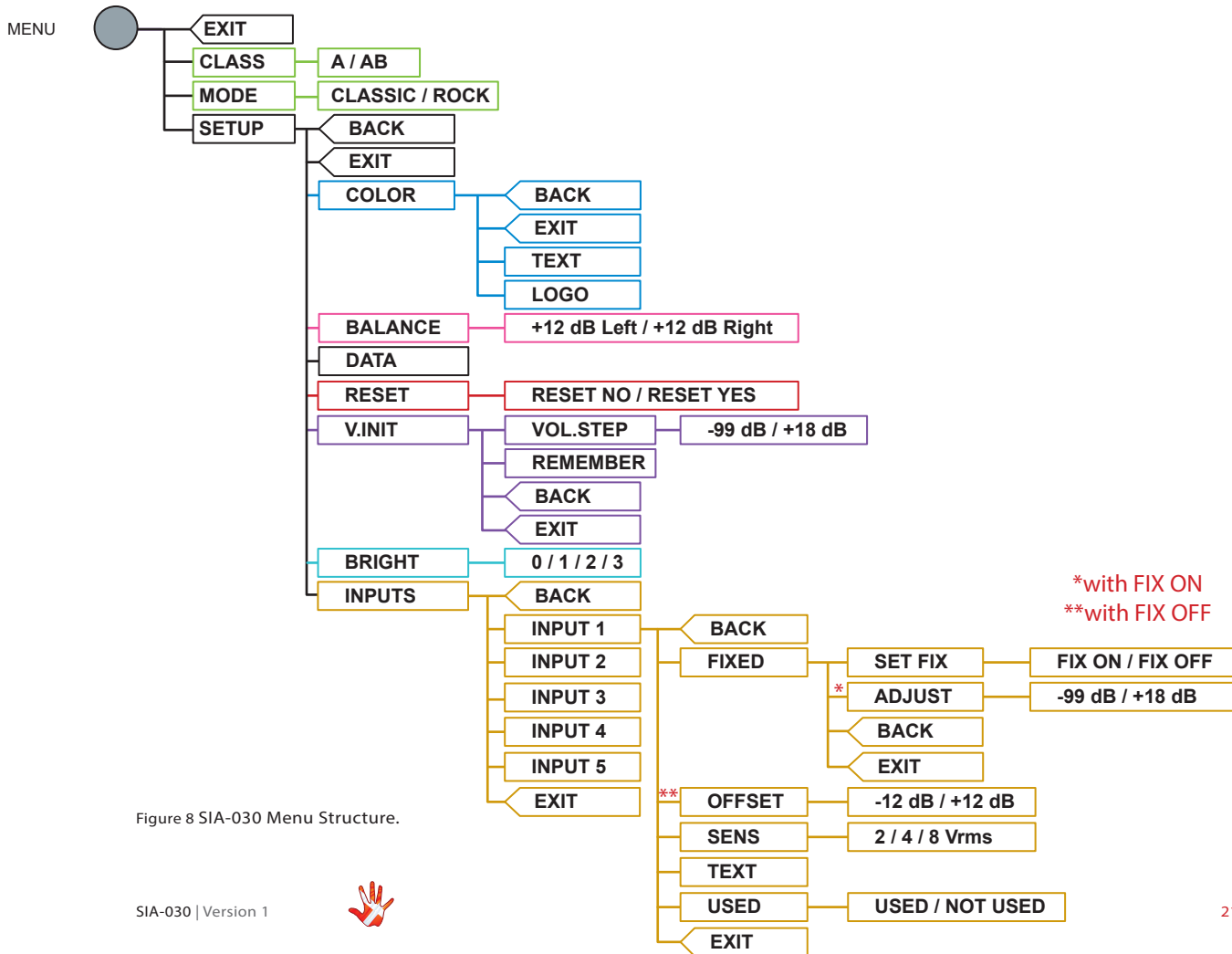


Figure 8 SIA-030 Menu Structure.



# 4. operation & service

## Safety notice



The Vitus Audio SIA-030 contains no user serviceable parts except from the mains fuse. Do not attempt to open the case. There are potentially dangerous voltages present inside. Should your SIA-030 show signs of malfunction, then please contact your dealer or Vitus Audio.

## Maintenance

Vitus Audio products are designed to run for many years without the need for regular maintenance. Our products contain no user serviceable parts except from the mains fuse. Should your SIA-030 show signs of malfunction, please contact your dealer or Vitus Audio.

## Mains supply voltage

Any unit may be set for operation in 100V, 115V or 230V/240V AC. Units are shipped set for the mains supply voltage according to the destination. The voltage setting can be updated later by your dealer, if necessary.



# 4. operation & service

## Mains fuse

The mains fuse is accessible from the outside of the amplifier. You will find the mains fuse, just below the power inlet. If the fuse blows, then you can easily replace it. The fuse only blows on the occurrence of power surges or if there is a fault in the unit. Normally power surges cause no other damage other than blowing the fuse. When the fuse blows repeatedly on replacement, then the unit most likely has a malfunction. In case of malfunction the unit must be returned to Vitus Audio for repair.

## Fuse type:



20x5mm 6,3A T(230V) /  
10A T(115V) / 12A T(100V)  
HRC fuse

Replacing the fuse with a fuse of a type and rating different from the original fuse, might result in damage to the unit and injury to you (the user). Damage to the unit as a result of wrongly replacing the mains fuse, will invalidate the warranty.

For an explanation of how to replace the fuse see chapter 4 "replacing a blown fuse".



# 4. operation & service

## Replacing a blown fuse



REMOVE THE POWER CABLE

In the following 7 steps we will show you how to replace a blown fuse.



1

The fuse carrier is placed on the back under the power connector.



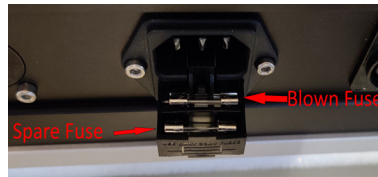
2

Put two fingers around the fuse carrier.



3

Pull the fuse carrier out.



4

There is a spare fuse available in the fuse carrier.



5

Flip the fuse out using a pointy object (a pen or screwdriver).

Take the blown fuse out of the fuse carrier.

Figure 9 Replacing a blown fuse





# 4. operation & service

## Replacing a blown fuse



6

Use the blown fuse to flip the spare fuse out of the fuse carrier.

Take the spare fuse out of the fuse carrier and throw away the blown fuse.



7

Place the spare fuse in the fuse carrier.

Click the fuse in place. Push the fuse carrier back into the unit.



# 5. warranty

## Warranty

Warranty Statement  
(modified to fit Vitus Audio)

### 1. TERMS AND CONDITIONS LIMITED WARRANTY

Vitus Audio warrants the product designated herein to be free of manufacturing defects in material and workmanship, subject to the conditions hereinafter set forth, for a period of three (3) years from the date of purchase by the original purchaser or no later than five (5) years from the date of shipment to the authorized Vitus Audio cooperating partner, whichever comes first, excepting any cosmetic damage to chassis parts. (See 6)

### 2. CONDITIONS

This Warranty is subject to the following conditions and limitations. The Warranty is void and inapplicable if the product has been used or handled other than in accordance with the instructions in the owner's manual, abused, or misused,

damaged by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than Vitus Audio or authorized Vitus Audio repair center. The product must be packed in its original box and returned to Vitus Audio or an authorized repair center by the customer at his or her sole expense. Vitus Audio will pay return freight of its choice.

### IMPORTANT!

A returned product **MUST** be accompanied by a written description of the defect and a photocopy of the original purchase receipt. This receipt must clearly list model and serial number, date of purchase, the name and address of the purchaser and authorized dealer and the price paid by the purchaser. Vitus Audio reserves the right to modify the design of any product without obligation to purchasers of previously manufactured products and to change the prices or specifications of any product

without notice or obligation to any person.

### 3. LIMITED TO ORIGINAL PURCHASER

This Warranty is for the sole benefit of the original purchaser of the covered product and shall not be transferred to a subsequent purchaser of the product.

### 4. DURATION OF WARRANTY

This Warranty expires on the third (3rd) year anniversary of the date of purchase or no later than the fifth (5th) anniversary of the date of shipment to the authorized Vitus Audio cooperating partner, whichever comes first.

### 5. CHASSIS

Damage or cosmetic defects are not warranted.



# 5. warranty

## 6. DEMONSTRATION EQUIPMENT

Equipment used by an authorized cooperating partner for demonstration purposes is warranted to be free of manufacturing defects in materials and workmanship for a period of three (3) years from the date of shipment to the authorized cooperating partner. After the first year, demo equipment needing warranty service must be packed in its original box and returned to Vitus Audio by the cooperating partner at his or hers sole expense. Vitus Audio will pay return freight of its choice. A returned product must be accompanied by a written description of the defect on a VITUS AUDIO RETURNED GOODS AUTHORIZATION form. Dealer-owned demonstration equipment sold at retail within three (3) years of date from shipment to the dealer is warranted to the first retail customer to be free of manufacturing defects in materials and workmanship for the duration of the three (3) Year Limited Warranty remaining (as measured from the date of shipment of the equipment to the Vitus Audio partner. In the event warranty service is needed under these conditions, the owner of the equipment

must provide a copy of his purchase receipt, fulfilling the requirements described under "2. Conditions" above. The product must be packed in its original box, and returned to Vitus Audio or an authorized Vitus Audio repair center by the customer at his or her sole expense. Vitus Audio will pay return freight of its choice.

## 7. MISCELLANEOUS

Any implied warranties relating to the above product shall be limited to the duration of this warranty. The warranty does not extend to any incidental or consequential costs or damages to the purchaser. Some countries do not allow limitation on how long an implied warranty lasts or exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from country to country.

## 8. WARRANTOR

Inquiries regarding the above Limited Warranty may be sent to the following address:

AVA Group A/S  
Hammershusvej 3H  
DK7400 Herning  
Denmark  
Att.: Customer Service

Before sending any products to the above address, a RMA case number has to be issues. This can be obtained after initial dialog with our service department by emailing the following information to:

[service@avagroup nu](mailto:service@avagroup nu)

Information required:  
Copy of original purchase invoice  
Serialnumber  
Detailed description of problem



# 5. warranty

## 9. WARRENTY OUTSIDE DANMARK

Vitus Audio has authorized distribution in many countries in the world. In each country, the authorized importing retailer or distributor has accepted the responsibility for warranty of products sold by that retailer or distributor. Warranty service should normally be obtained from the importing retailer or distributor from whom purchased your product. In the unlikely event of service required beyond the capabilities of the importer, Vitus Audio will fulfill the conditions of the warranty. Such products must be returned at the owner's expense to the Vitus Audio factory, together with a photocopy of the bill of sale for that product, a detailed description of the problem, and any other information necessary return shipment. In many cases the retailer your purchased the product from, will handle this for you.

## 10. FURTHER INFORMATION

Should you have any further questions related to our warranty – please contact us at the following email: [service@avagroup.nu](mailto:service@avagroup.nu)



# 6. specifications

## SIA-030 Specifications

Rated Output Power.....	2 x 30W Class A / 2 x 200W Class AB
Frequency Response.....	DC to +800KHz
Signal to Noise Ratio.....	> 120dB
THD+ Noise.....	Better than 0,01%
Input Sensitivity.....	2, 4 or 8 V RMS
Input Impedance.....	RCA = 10K $\Omega$ / XLR = 10K $\Omega$
Slew Rate.....	> 35V/ $\mu$ s
Power Consumption (RMS):	
Standby.....	< 2,5W
Class AB.....	~100W
Class A.....	~175W
Dimensions (H x W x D).....	270 x 435 x 525mm
Weight.....	~63kg



# 7. examples operation

## Example 1

### Setting the SIA-030 to operate as a class A amplifier

Press the "MENU" button to enter Menu Mode. Navigate to the CLASS submenu, using the function buttons on the left front

1.  $\triangle$  Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3.  $\nabla$  Scroll Backward in the menu.

Enter the CLASS submenu. The display now shows CLASS AB. Press the  $\nabla$  button. The display now shows CLASS A. Press the SELECT button. The SIA-030 is now operating as a class A amplifier.

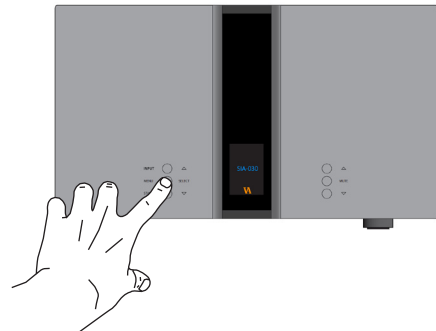


Figure 6 SIA-030 Left front panel.

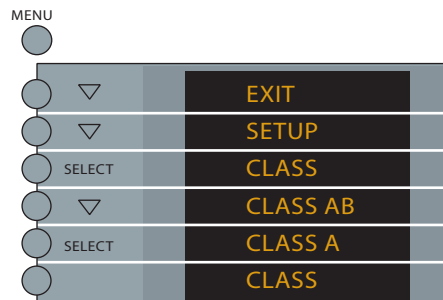


Figure 10 Example 1 Changing from Class AB to Class A

# 7. examples operation



## Example 2 Disabling inputs

If you only use some of the inputs, then it is possible to disable the inputs that you are not using. The system will skip the disabled inputs, and jump to the next input.

The following example illustrates how to disable Input 4.

Press the “MENU” button to enter Menu Mode.

Navigate to the INPUT sub-menu, using the function buttons on the left front

1.  Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3.  Scroll Backward in the menu.










MENU		
		EXIT
SELECT		SETUP
		BACK
SELECT		INPUTS
		BACK
		INPUT 1
		INPUT 2
		INPUT 3
SELECT		INPUT 4
		BACK
		EXIT
SELECT		USED
		USED
SELECT		NOT USED
		USED

Figure 11 Example 2 Disabling inputs



Figure 6 SIA-030 Left front panel.



# 7. examples operation

## Example 3

### Set the volume of input 1 to a fixed volume step of 0.0 dB

You can set the volume of an input to a fixed dB step. The input is then locked to this dB step and can not be adjusted with the volume control.

The following example illustrates how to fix the volume step of Input 1 to 0 dB.

Press the "MENU" button to enter Menu Mode.

Navigate to the INPUT sub-menu, using the function buttons on the left front

1.  $\triangle$  Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3.  $\nabla$  Scroll Backward in the menu.

MENU		
$\triangle$		EXIT
SELECT		SETUP
$\triangle$		BACK
SELECT		INPUTS
$\nabla$		BACK
SELECT		INPUT 1
$\nabla$		BACK
SELECT		FIXED
SELECT		SET FIX
$\nabla$		FIX OFF
SELECT		FIX ON
$\nabla$		SET FIX
SELECT		ADJUST
$\triangle$		-40.0
SELECT		0.0
		ADJUST

Figure 12 Example 3 Fix volume step

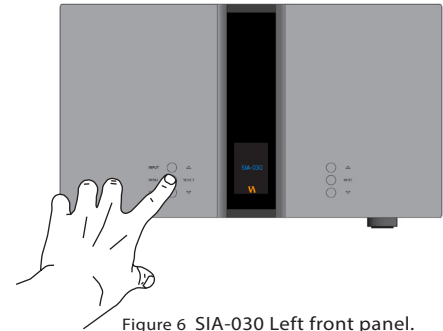


Figure 6 SIA-030 Left front panel.

Adjust the volume step to 0.0 dB and press the SELECT button. The display now shows SET FIX.

Input 1 is now locked to the chosen dB step and can not be adjusted with the volume control.

If you want to set FIX OFF, then repeat the sequence of the example and select FIX OFF.



# 7. examples operation

## Example 4 Changing the offset-gain of the inputs

You can set different offset-values for the different inputs. You actually adjust the gain of the individual inputs. This reduces the differences in output volume, when you switch from one input to another. The offset-value can be set from -12 dB to +12 dB.

You cannot change the offset gain with FIX ON selected.

The following example illustrates how to change the offset-values: The signal on the source using input 2 is 3 dB higher than the signal on the source using input 1.

We will reduce the differences in volume between input 1 and input 2 by lowering the offset gain of input 2 with 3 dB.

Press the "MENU" button to enter Menu Mode. Navigate to the INPUT sub-menu, using the function buttons on the left front.

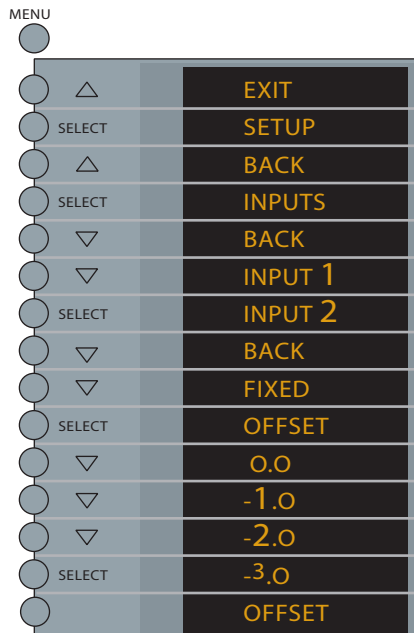


Figure 13 Example 4 Changing offset-gain of inputs

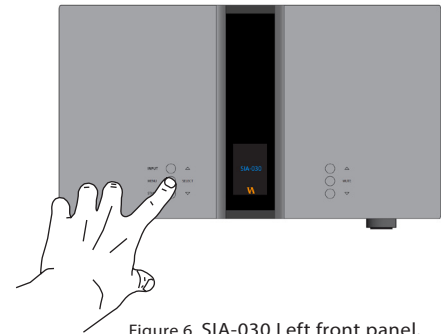


Figure 6 SIA-030 Left front panel.

1. △ Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3. ▽ Scroll Backward in the menu.

The amplifier now automatically turns the volume up or down when you change between inputs.



# 7. examples operation

## Example 5

### Changing the sensitivity of input 1 from 4V rms to 8V rms

The sensitivity is set to 4V rms by default.

In this example we will change the sensitivity of input 1 from 2V rms to 8V rms.

Press the "MENU" button to enter Menu Mode. Navigate to the SENS submenu, using the function buttons on the left front

1.  $\Delta$  Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3.  $\nabla$  Scroll Backward in the menu.

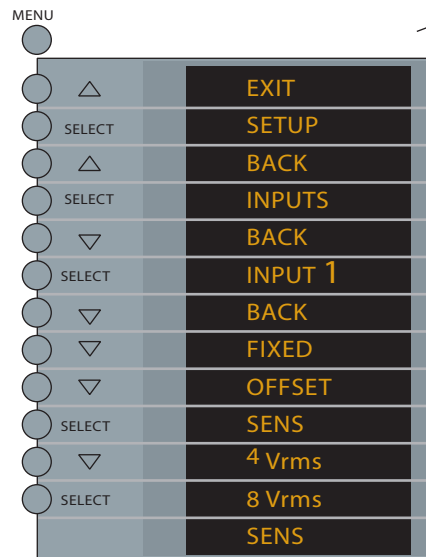


Figure 14 Example 5 Changing the sensitivity



Figure 6 SIA-030 Left front panel.

In the SENS submenu you can adjust the sensitivity using the  $\Delta$  and the  $\nabla$  buttons. When you adjusted the sensitivity press SELECT. The new sensitivity is now saved.

# 7. examples operation

## Example 6

### Changing the name of INPUT 1 to SCD-025

Press the "MENU" button to enter Menu Mode. Navigate to the TEXT submenu, using the function buttons on the left front

1.  $\Delta$  Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3.  $\nabla$  Scroll Backward in the menu.

In the TEXT submenu you will find a list of predefined names, that you can choose from.

Scroll through the list using the  $\Delta$  and the  $\nabla$  buttons.

Select the name SCD-025 using the SELECT button.

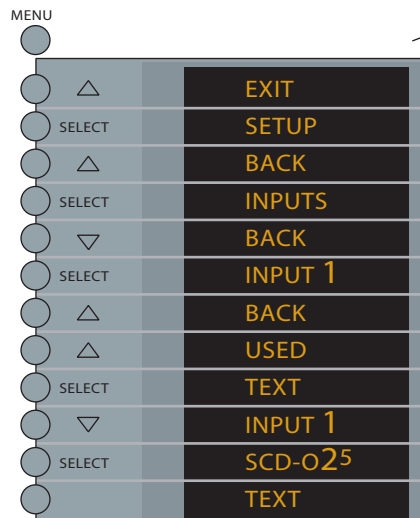


Figure 15 Example 6 Changing the input name.



Figure 6 SIA-030 Left front panel.

The name of INPUT 1 has now been changed from INPUT 1 to SCD-025.

Leave the TEXT submenu.

When you leave the Menu Mode the display will show SCD-025.



# 7. examples operation

## Example 7

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# 7. examples operation

## Example 8

### Restoring the settings of the SIA-030

Press the "MENU" button to enter Menu Mode. Navigate to the "RESET" submenu, using the function buttons on the left front

1.  $\triangle$  Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3.  $\nabla$  Scroll Backward in the menu.

Enter the RESET submenu. The display now shows RESET NO. Press the  $\nabla$  button. The display now shows RESET YES. Press the SELECT button. The settings of the SIA-030 have now been reset to default. The SIA-030 now automatically enters standby mode.



Figure 6 SIA-030 Left front panel.

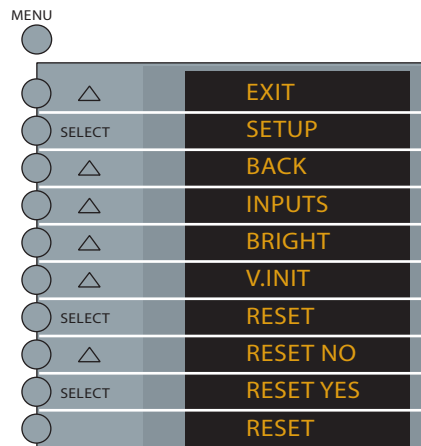


Figure 17 Example 8 Restoring settings



# 7. examples operation

## Example 9 Setting the initial volume step

Press the "MENU" button to enter Menu Mode. Navigate to the V.INIT submenu, using the function buttons on the left front

1.  $\triangle$  Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3.  $\nabla$  Scroll Backward in the menu.

In the V.INIT submenu you can adjust the initial volume step. This is the volume step the SIA-030 start up in when it leaves standby mode. The initial volume step is as a default set to -50 dB.

Set the volume step to -40 dB using the  $\triangle$  and the  $\nabla$  buttons. Press SELECT and leave the menu.

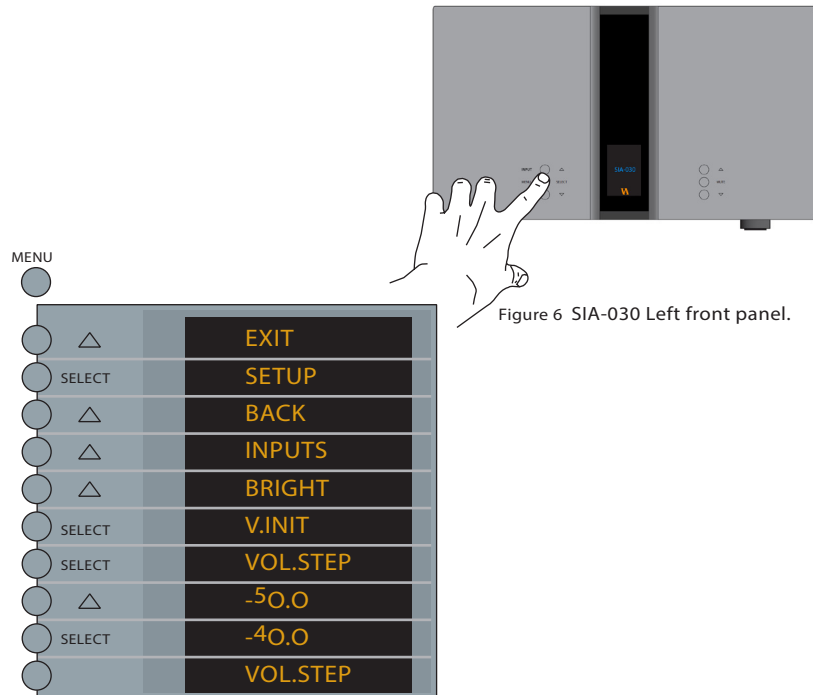


Figure 6 SIA-030 Left front panel.

Figure 18 Example 9 Setting initial volume step

Next time you turn on the SIA-030, it will initialize in volume step -40 dB.

# 7. examples operation

## Example 10

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# 7. examples operation

## Example 11 Changing brightness from 1 to 2

The default setting for brightness is 1.

In this example we will show you how to set the brightness to 2.

Press the MENU button to enter Menu Mode. Navigate to the BRIGHT submenu, using the function buttons on the left front

1.  $\Delta$  Scroll Forward in the menu.
2. MENU/ SELECT Enter & Exit submenus and select settings.
3.  $\nabla$  Scroll Backward in the menu.

Enter the BRIGHT submenu  
The display now shows 1.  
Press the  $\Delta$  button.  
The brightness is now set to 2.  
Press "SELECT" to leave the BRIGHT submenu.  
The new brightness level is now saved.

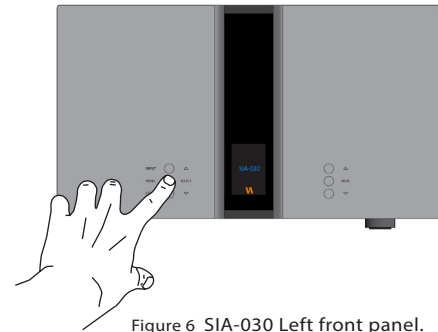


Figure 6 SIA-030 Left front panel.

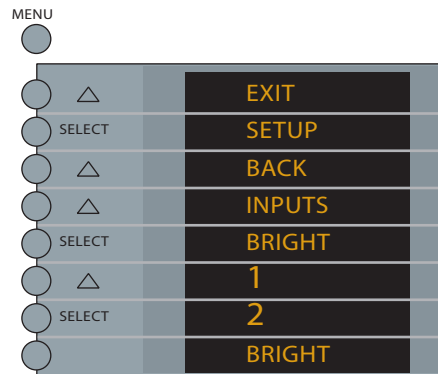


Figure 20 Example 11 changing brightness

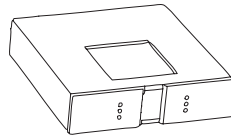


# 7. examples connecting devices

## Connecting devices

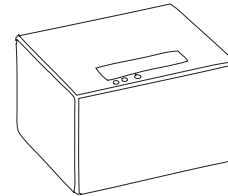
In our examples we used the following devices

### Vitus Audio Products Signature Series

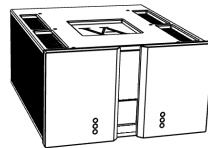


SCD-025

### 3rd Party Products



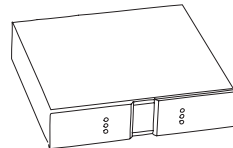
Media Center



SIA-030 Integrated Amplifier



Turntable



SP-103 Phonostage

Figure 21 Devices used



# 7. examples connecting devices

## Connecting devices 1

The Media Center is connected to the SCD-025.  
The SCD-025 is used as a DAC.

The Turntable is connected to the SP-103.

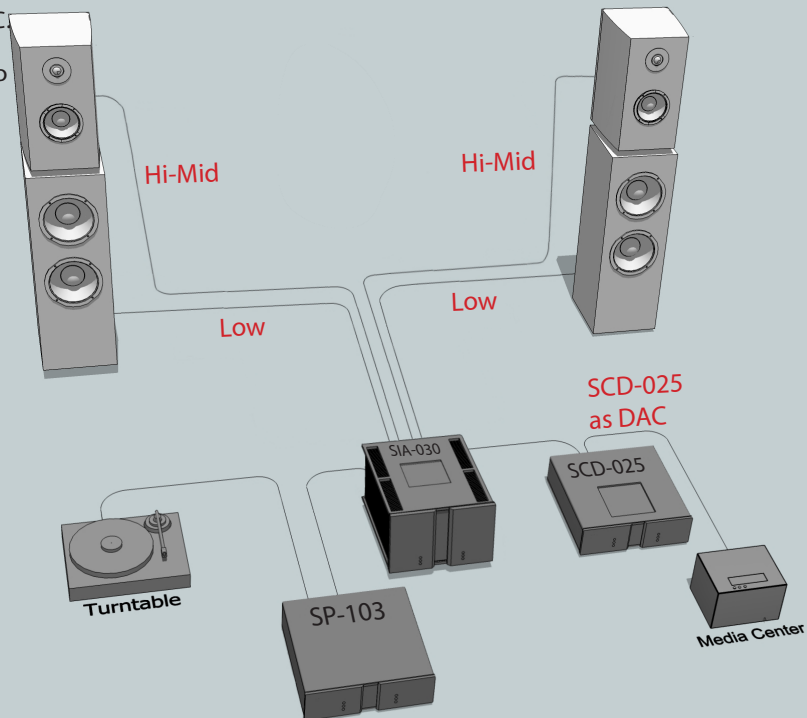
The SIA-030 is powering the hi-mid- and low tones.

Units

Speakers

SIA-030  
SP-103  
SCD-025

Turntable  
Media Center



# 7. examples connecting devices

## Connecting devices 2

When you have the SIA-030 DAC/Streamer and RIAA extensions, it is possible to directly connect a Media Center and Turntable.

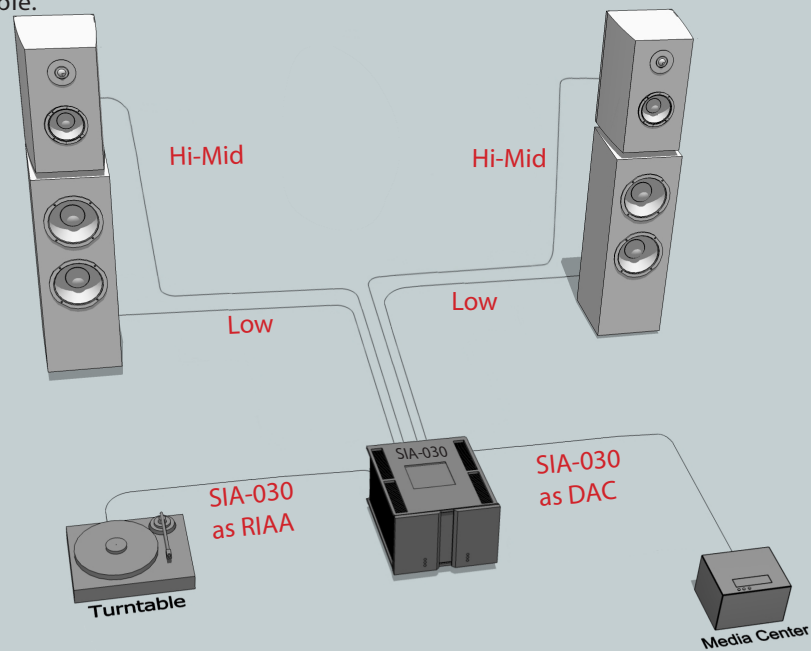
Units

SIA-030

Speakers

Turntable

Media Center



# 7. examples connecting devices

## Connecting devices 3

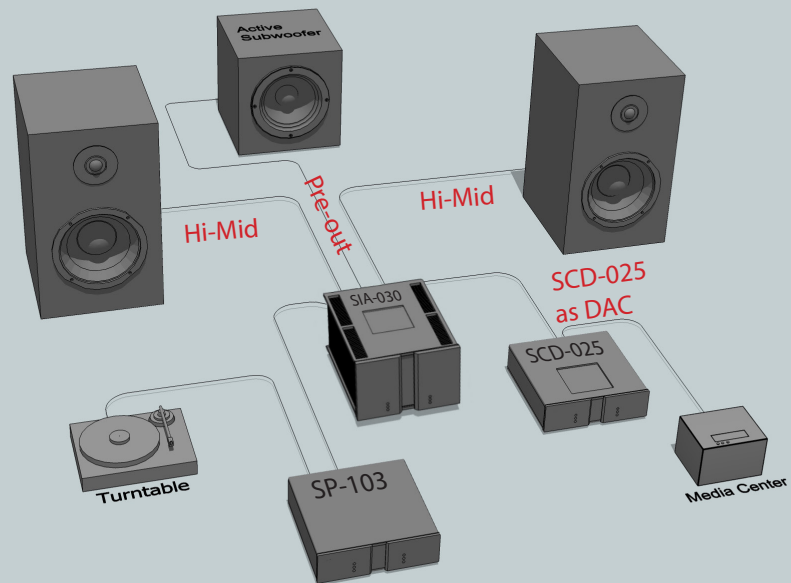
It is possible to connect an active subwoofer to the Pre-out.

Units

SIA-030  
SCD-025  
SP-103

Speakers  
Active Subwoofer

Media Center  
Turntable



# 8. RC-010 system remote

## RC-010 System Remote

This is the RC-010. The RC-010 is the Vitus Audio System Remote that comes with the SIA-030.

The RC-010 uses an infrared sensor that communicates with the products using the RC5-protocol. It comes with pre-installed functions for communication with Vitus Audio products. With the RC-010 you can control all Vitus Audio products in the Signature and Masterpiece series. The RC-010 has an internal battery, that can be recharged with the charger that is included. The RC-010 has an automatic standby function. This is to ensure that the battery lasts as long as possible on one charge

The RC-010 has two hotkeys, buttons 1 and 3. With these hotkeys you can jump to another product without scrolling through the list of products. The remote automatically Forwards volume up and volume down commands to the product under hotkey 2.

The RC-010 is put into shipping mode before transport. This means that the motion sensor is disabled. Shipping mode is disabled by pushing any button.

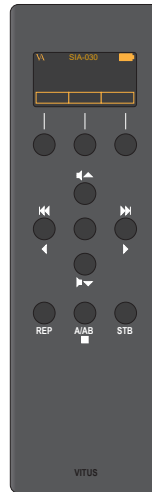
You can put the RC-010 into shipping mode by pressing the following button combination. Button (9+10)+(2+3). Press and hold all 4 buttons. The screen now shows Ship mode and thereafter LEAVE MENU. Press button 6 (select). The RC-010 is now in shipping mode.



# 8. RC-010 getting started

## What's included

RC-010 System Remote  
RC-010 Charger  
RC-010 Charger - powercord



RC-010 System Remote

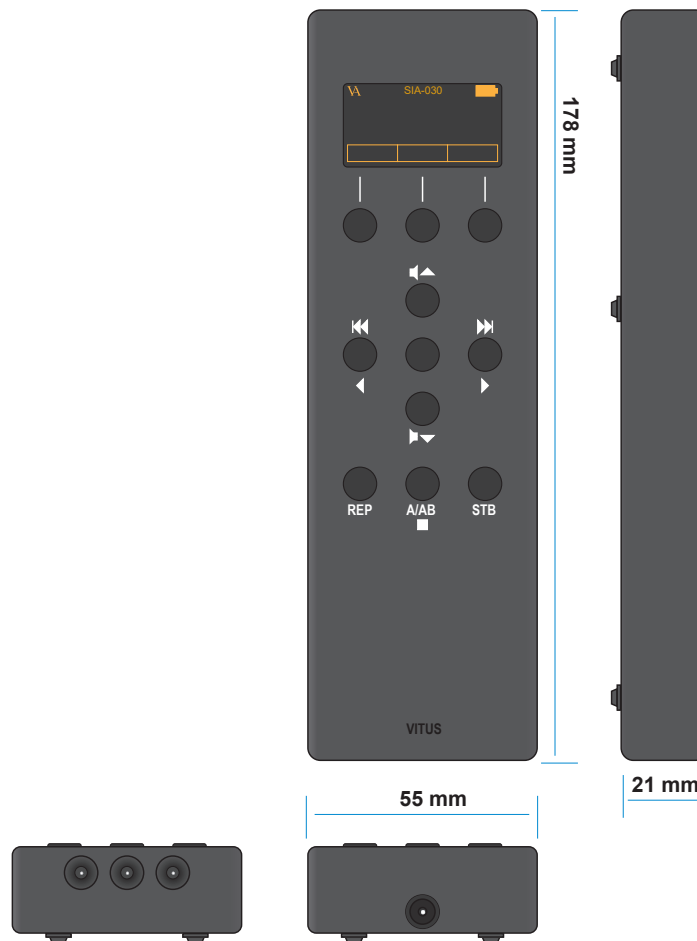


RC-010 Charger

# 8. RC-010 getting started

## RC-010 System Remote Device overview

Material: Anodized Aluminium  
Weight :287 gr.



# 8. RC-010 operation

## RC-010 System Remote operation modes

The RC-010 has 4  
operation modes

### 1. Normal mode.

This is the mode you use when listening to music.

### 2. Menu mode

In this mode you can alter the settings of the RC-010.

### 3. Standby mode.

In this mode the controls of the RC-010 are deactivated.

### 4. Shipping mode

In this mode the controls of the RC-010 are deactivated to extend battery life. The motion sensor is deactivated so the RC-010 cannot be woken up by movement. Exit flight mode by pressing any button.

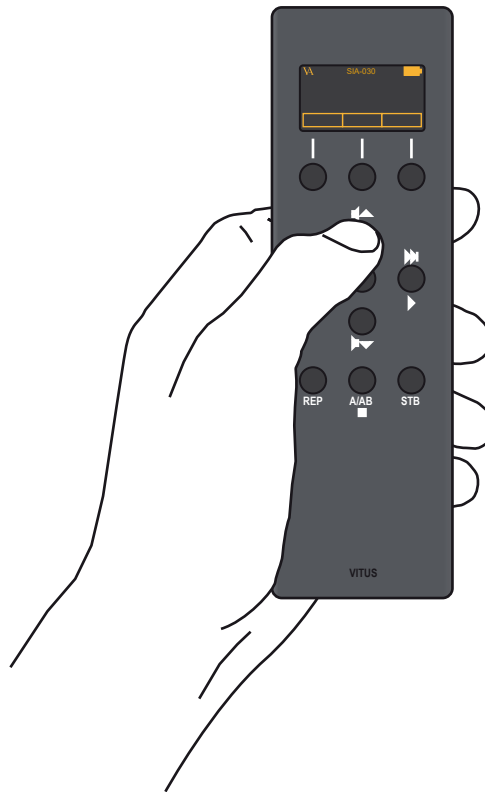


Figure 22 RC-010 Front panel.



# 8. RC-010 operation

## Normal mode

### Buttons

In normal mode there are 11 basic functions/buttons available on the left front.

1. Hotkey\*
2. Switch between products.  
Enter menu mode.
3. Hotkey.\*
4. Volume up
5. Previous input
6. Mute
7. Next input
8. Volume down
9. -
10. Change class
11. Standby

\*A hotkey is a button that can be programmed by the user.



## Normal mode

### Display

In normal mode the display has 6 information fields.

- A. VA logo
- B. The device that the RC-010 is controlling now.
- C. Battery status
- D. Hotkey is set to be a shortcut to the SCD-025 by default.
- E. Change the device that the RC-010 has to control.
- F. Hotkey is set to be a shortcut to INPUT2 by default.



# 8. RC-010 operation

## Menu mode

### Buttons

You enter menu mode, by holding button 2 down for three seconds.

In menu mode there are 8 basic functions/buttons available on the left front.

1. Edit hotkey \*
2. Select between products
3. Edit hotkey \*
4. Next/Up
5. Previous/Down
6. Select
7. Next/Up
8. Previous/Down
9. -
10. -
11. -

\*only available in the EDIT PRODUCT sub-menu.



## Menu mode

### Display

In the menu mode the screen has 2 different layouts and information fields.

There are 6 sub-menus.

1. LEAVE MENU
2. FABRIC
3. ADD PRODUCT\*
4. DISPLAY
5. EDIT PRODUCT
6. PROGRAM KEY\*\*

\*You can add 2 more products to the predefined product list. When you added 2 products to this list, the sub-menu item ADD PRODUCT will not be available.

\*\*This sub-menu item is only available for the 2 added products.



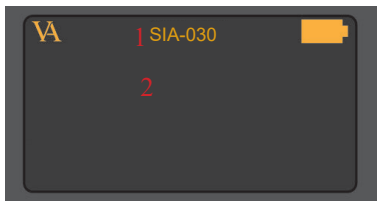
# 8. RC-010 operation

## Menu mode

### Display

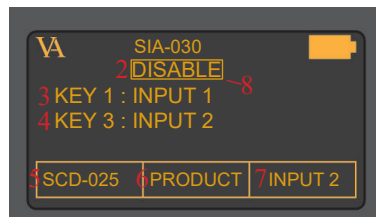
1. LEAVE MENU
2. FABRIK
3. ADD PRODUCT
4. DISPLAY
5. EDIT PRODUCT
6. PROGRAM KEY

The screen layout for the sub-menus: LEAVE MENU, FABRIK, ADD PRODUCT and DISPLAY.



1. The device that you are editing now.
2. The sub-menu item that you can enter by pressing button 6.

The screen layout for the sub-menu: EDIT PRODUCT.



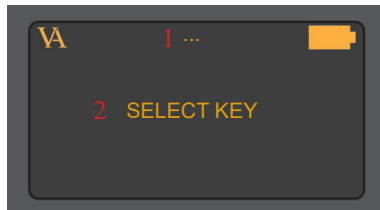
1. The device that you are editing now.
2. Disable or enable the product. When you disable a product it will not be available when you scroll through the list of devices with button 2, item 1 on the screen
3. Set the input in the predefined list under button 1, item 5, to the right number.
4. Set the input in the predefined list under button 3, item 7, to the right number.

5. Set hotkey 1 (button 1) to a product that you can choose from in the predefined list. Scroll through this list with button 1.
6. Change the product that you want to edit. Scroll through the list of products with button 2.
7. Set hotkey 2 (button 3) to a product that you can choose from in the predefined list. Scroll through this list with button 3.
8. Selection indicator. Indicates which item on the display you have selected.



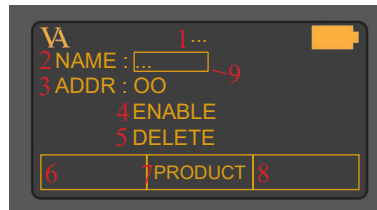
# 8. RC-010 operation

The display layout for the sub-menu: PROGRAM KEY.



1. The name of the product that you added in sub-menu item ADD PRODUCT.
2. Select a key/button that you want to program.

The display layout for the sub-menu: SELECT KEY.



1. The name of the product that you added in sub-menu item ADD PRODUCT.
2. Select a name for the button that you selected. This name will appear in the screen every time you push this button.
3. Enter the RC 5 code that the remote has to send when this button is pressed.
4. Enable / disable this button.

5. Delete the settings for this button. Now you can reinstall this button.
6. Hotkey 1. Enter this item by pressing button 1. Scroll through the list of predefined products with button 1. Select a product from the list with button 1.
7. Change the product that you want to edit. Scroll through the list of products with button 2.
8. Hotkey 2. Enter this item by pressing button 3. Scroll through the list of predefined products with button 3. Select a product from the list with button 3.
9. Selection indicator. Indicates which item on the display you have selected.



# 8. RC-010 operation

## The menu structure

You can modify the settings of the RC-010 by entering the menu. On page 55 you can find a graphical reproduction of the menu.

The sub-menus are indicated with a colour. **FABRIC**, **ADD PRODUCT**, **DISPLAY**, **EDIT PRODUCT** and **PROGRAM KEY**.

### **FABRIC**

Restore the settings of the RC-010 to factory settings.

### **ADD PRODUCT**

The RC-010 is installed with 12 predefined VA products. There is room for 14 products on this list. This means that it is possible to add 2 more products.

### **DISPLAY**

The remote contains a motion sensor. The RC-010 enters a power down mode when the motion sensor has not registered movement for some time. You can awake the RC-010 with movement, or by pressing a key. In this sub-menu, you can change the power down time delay, the time it takes before the RC-010 enters power down mode.

It is possible to set the delay to: OFF, 1,2,3,4,5 and 10 seconds.

When you select OFF, the remote shuts down as soon as you stop pressing a button. With OFF selected the motion sensor is deactivated and movement will not activate the RC-010.

### **EDIT PRODUCT**

The products in the list of predefined products are fully programmed. You can disable the products in the list or you can change the settings for buttons 1 and 3 (the hotkeys). When you add a product to the list then you have to program the buttons.

### **PROGRAM KEY**

This sub-menu only becomes available when you add a product to the predefined product list. In this sub-menu you can enter the buttons RC5 code and give the button a name. You can give each button 2 functions. One function for pressing (release), and one function for press-and-hold (press).



# 8. RC-010 operation

## RC-010 Discription of the elements in the menu.

### LEAVE MENU

Go back to normal mode.

### FABRIC

Restore the settings of the RC-010 to default settings.

### ADD PRODUCT

Add a product to the list of predefined products.

### NAME

Give a name to the new product.

### DISPLAY

Set the delay of the display.

### EDIT PRODUCT

Change settings of the selected product.

### DISABLE

Disable the selected product

### ENABLE

Enable the selected product.

### KEY (1 and 3)

Change the settings of the hotkeys (keys/buttons 1 and 3).

### INPUT

Choose the input.

### PROGRAM KEY

Program the different keys/buttons.

### PRESS/RELEASE

Program the button for press, and program the button for release.

### CODE

Enter the RC 5 code belonging to the button.

### TEXT

Give a discription to the button. This description will be shown on the screen when the button is pressed.

### PRODUCT

Switch between products.



# 8. RC-010 operation

## RC-010 The menu structure

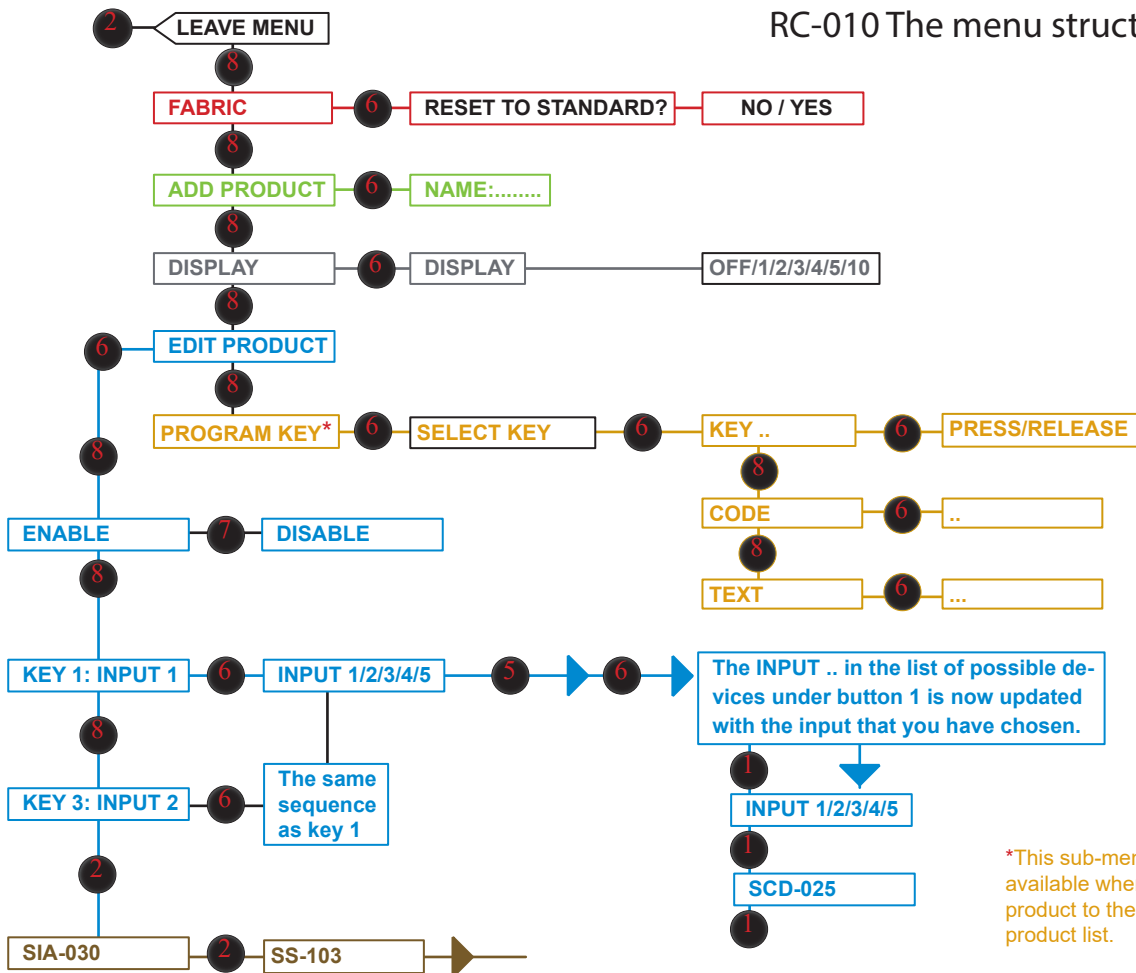


Figure 23 The RC-010 Menu structure

\*This sub-menu becomes available when you add a product to the predefined product list.



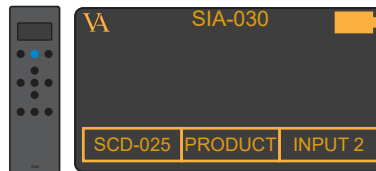
# 8. RC-010 examples

## Example 1

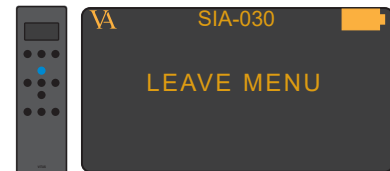
### Disabling products

In our example we have a SCD-025 and a SP-103 connected to a SIA-030.

We will show you how to disable all the other products. Then the remote only displays the products that you are using when you switch between products.



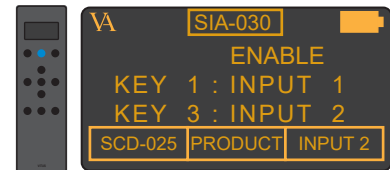
1. Press and hold button 2 for 3 seconds to enter menu mode.



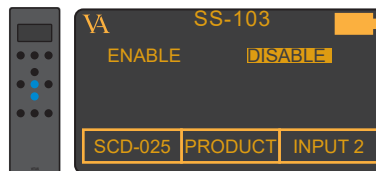
2. Navigate to the edit product sub-menu



3. Enter the edit product sub-menu



4. Switch to the product you want to disable.



5. Disable the product.

Continue doing this until you have disabled all the products not being used.





# 8. RC-010 examples

## Example 2

In example 2.1, 2.2 and 2.3 we have a SCD-025 and a SP-103 connected to a SIA-030.

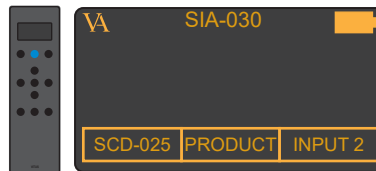
It is convenient to set the hotkeys so that you can easily switch between products.

The remote will automatically send the volume command to the product under hotkey 2. When you are in SCD-025 or SP-103 and you change the volume, then the remote sends the volume command to the SIA-030. We will show you how to set the hotkeys for all the products

## Example 2.1

### Setting the hotkeys

In the following 6 steps we will show how you can set hotkey 2 to be SP-103.



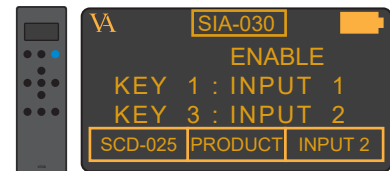
1. Press and hold button 2 for 3 seconds to enter menu mode.



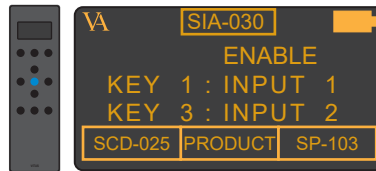
2. Navigate to the edit product sub-menu



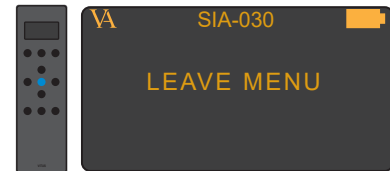
3. Enter the edit product sub-menu



4. Scroll to SP-103 in the list under hotkey 2



5. Press select



6. Leave the menu.



# 8. RC-010 examples

## Example 2.2

### Setting the hotkeys of the SCD-025

In the following 8 steps we will show how you can set hotkey 1 to be SP-103 and hotkey 2 to be SIA-030.



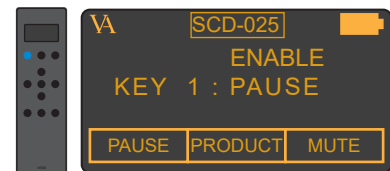
1. Press and hold button 2 for 3 seconds to enter menu mode.



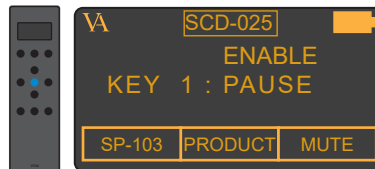
2. Navigate to the edit product sub-menu



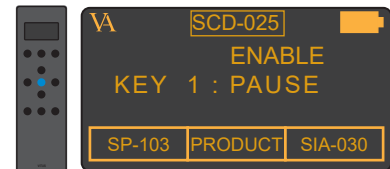
3. Enter the edit product sub-menu



4. Under hotkey 1 scroll to SP-103.



5. Under hotkey 2 scroll to SIA-030.



6. Press select



7. Leave the menu.



8. Hotkey 1 is now set to SP-103 hotkey 2 is now set to SIA-030.

# 8. RC-010 examples

## Example 2.3

### Setting the hotkeys of the SP-103

In the following 8 steps we will show how you can set hotkey 1 to be SCD-025 and hotkey 2 to be SIA-030



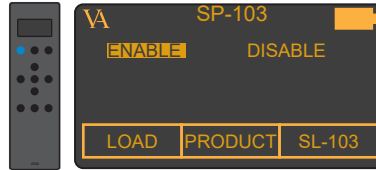
1. Press and hold button 2 for 3 seconds to enter menu mode.



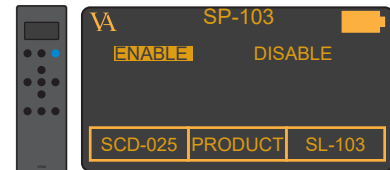
2. Navigate to the edit product sub-menu



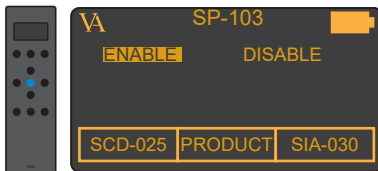
3. Enter the edit product sub-menu



4. Scroll to SCD-025 in the list under hotkey 1.



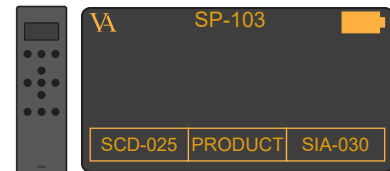
5. Scroll to SIA-030 in the list under hotkey 2



6. Press Select.



7. Leave the menu.



8. Hotkey 1 is now set to SCD-025, and hotkey 2 is set to SIA-030

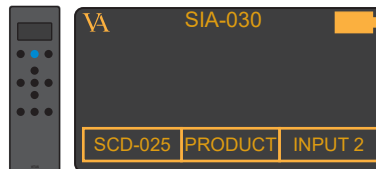


# 8. RC-010 examples

## Example 3

### Adding a product

In the following 7 steps we will show how you can add a product to the list of predefined products.



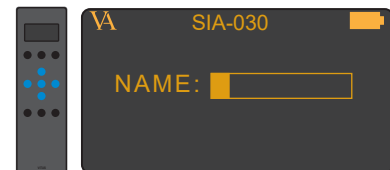
1. Press and hold button 2 for 3 seconds to enter menu mode.



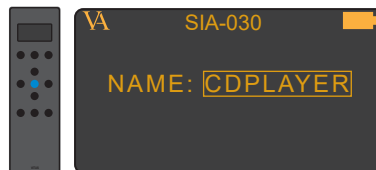
2. Navigate to the add product sub-menu



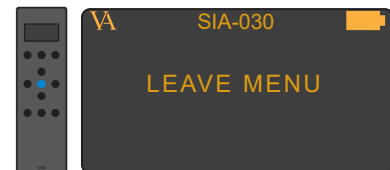
3. Enter the add product sub-menu



4. Enter the name of the new product, for example CDPLAYER



5. Press select



6. Leave the menu.



7. Now you can find the new product CDPLAYER in the list of products, when you switch between products.

The buttons of the new product CDPLAYER are not programmed.

In the next example we will show you how to program the buttons of the new product CDPLAYER.



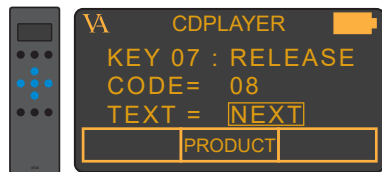
# 8. RC-010 examples

## Example 4

### Programming the buttons of a new product

You added a new product to the list of products in the RC-010. Now you want to program the buttons of the RC-010 to be able to operate the new product. In the following 9 steps we will show you how to program the buttons of the remote.

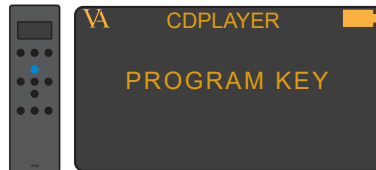
Important: you need the RC5 codes of the new product.



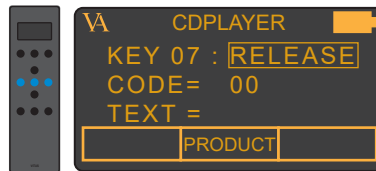
7. Give a name to the action that button 7 performs when you press it. We give it the name NEXT.



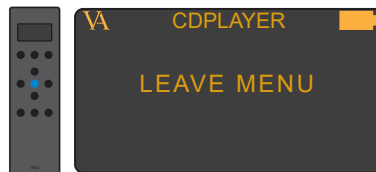
1. Press and hold button 2 for 3 seconds to enter menu mode.



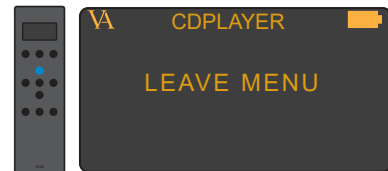
3. Enter the program key sub-menu.



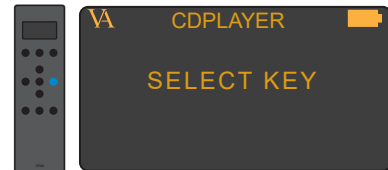
5. Select if the button has to perform its action when you press the button RELEASE or when you press and hold PRESS. We select RELEASE.



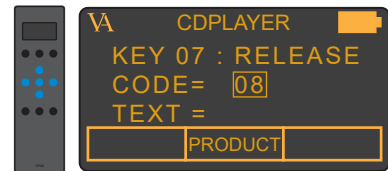
8. Leave the menu by moving the selection square to the RELEASE and pressing select.



2. Navigate to the program key sub-menu



4. Select the button that you want to program. We take button 7.



6. Fill in the RC5 code that belongs to the action that button 7 performs when you press it. We fill in 08.



9. Now the display shows NEXT when you press button 7.

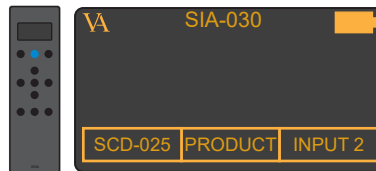
# 8. RC-010 examples

## Example 5

### Setting hotkey 1 to INPUT 3

By default, hotkey 1 (button1) is set to SCD-025.

In the following 8 steps we will show how you can change hotkey 1 from SCD-025 to INPUT 3.



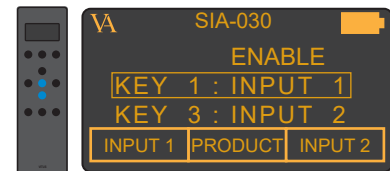
1. Press and hold button 2 for 3 seconds to enter menu mode.



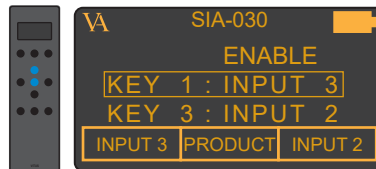
2. Navigate to the edit product sub-menu



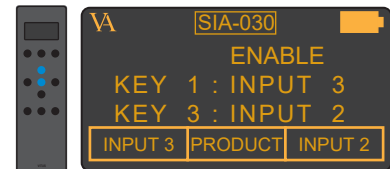
3. Enter the edit product sub-menu



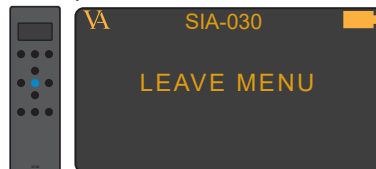
4. Select KEY 1.



5. Set KEY 1 to INPUT 3. The item under hotkey 1 has now automatically been updated to INPUT 3



6. Scroll to SIA-030 and press select.



7. Leave the menu



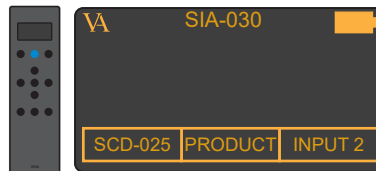
8. The item under hotkey 1 is now INPUT 3.

# 8. RC-010 examples

## Example 6

### Resetting the RC-010

You can restore the settings of the RC-010. In the following 5 steps we will show you how to do this.



1. Press and hold button 2 for 3 seconds to enter menu mode.



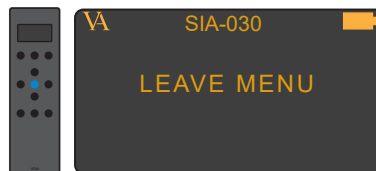
2. Navigate to the FABRIC sub-menu



3. Enter the FABRIC sub-menu



4. Restore the settings of the RC-010



5. Leave the menu

The settings of the RC-010 are now restored to default.

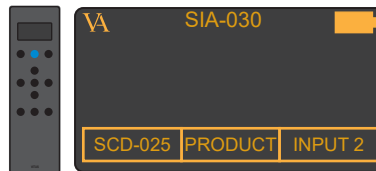


# 8. RC-010 examples

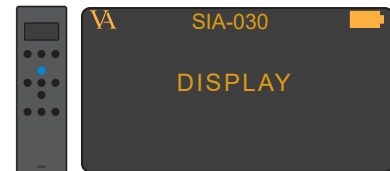
## Example 7

### Changing the delay from 5 to 10 seconds

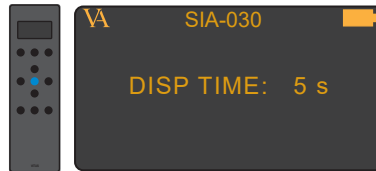
The delay of the display is set to 5 seconds by default. In the next 5 steps we will show how to set the delay to 10 seconds.



1. Press and hold button 2 for 3 seconds to enter menu mode.



2. Navigate to the DISPLAY sub-menu



3. Enter the DISPLAY sub-menu



4. Set the delay to 10 seconds.



5. Leave the menu

The RC-010 will now power down after 10 seconds.



# 8. RC-010 specifications

## Specifications

### Remote

Data communication protocol.....RC5

Battery .....Lithium Ion 1000 mAh

### Charger

Type.....FW74010/05 Switchmode

Input.....100 - 240 V~/ 50-60 Hz / 310 mA

Output.....5V / 2A



# 8. RC-010 controls



The functions of the buttons for the different products.

	SCD-025	SIA-030	SL-103	SP-103	SS-103
Button 1:	Pause	SCD-025	SCD-025	SL-103	SCD-025
Button 2:	Product	Product	Product	Product	Product
Button 3:	Mute	Input 2	SP-103	Output	
Button 4:	Volume up	Volume up	Volume up	Sens up	Volume up
Button 5 release:	Previous Track	Previous input	Previous input	Input	Previous input
Button 5 press:	Fast Backward				
Button 6:	Play	Mute	Mute	Mute	Mute
Button 7 release:	Next Track	Next input	Next input	Input	Next input
Button 7 press:	Fast Forward				
Button 8:	Volume down	Volume down	Volume down	Sens down	Volume down
Button 9 release:	Repeat				
Button 9 press:	Repeat Track				
Button 10:	Stop		Change Class	Output	
Button 11:	Standby	Standby	Standby	Standb	Standby



# 8. RC-010 controls

The functions of the buttons for the different products.

	SM-011	SS-103	SM-103	MP-L201	MP-P201
Button 1:	SCD-025	SCD-025	SCD-025	SCD-025	Load
Button 2	Product	Product	Product	Product	Product
Button 3:	SL-103		SL-103	MP-P201	
Button 4:	Volume up	Volume up	Volume up	Volume up	Sens up
Button 5 release:		XLR	Input	Previous input	Input
Button 5 press:					
Button 6:		Mute		Mute	Mute
Button 7 release:		RCA	Input	Next input	Input
Button 7 press:					
Button 8:	Volume down	Volume down	Volume down	Volume down	Sens down
Button 9 release:					
Button 9 press:					
Button 10:	Change Class	Change Class	Change Class	Power	Power
Button 11:	Standby	Standby	Standby	Standby	Standb



# 9. pictures SIA-030

SIA-030 Inside view



Picture 1 SIA-030 Inside view

# 9. pictures SIA-030

SIA-030 Front



Picture 2 SIA-030 Front



# 9. pictures RC-010

RC-010 Picture - PLEASE NOTE - ONLY BLACK FINISH IS AVAILABLE



Picture 1 RC-010 Picture

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