

RI-100

Owner's Manual





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on a personal note

Certificate

Model: RI-100

Product ID/Serial

Product Build Date

Signed

All products details, specifications and measurements are recorded for your RI-100 and kept by Vitus Audio.



from the creator

Foreword

First of all, thank you for choosing the Vitus Audio RI-100 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 bas, 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 RI-100 owner's manual. The following pages will describe, as clearly as possible, how to get your RI-100 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.



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 Reference Series

The Vitus Audio Reference Series is a true high-end series of products, which is built 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 not measuring. 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 cannot 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 opened the top, it is possible to remove the top protective foam which gives you direct access to the amplifier. In the top you will find the remote, the power cord and brochures. Now remove the side protective foam, this will make it easier to grab hold of the RI-100. Two people carefully lift the amplifier out of the box, and put it directly onto the floor. Store the empty box and the protective foam for later use.

What's in the box

- Foam top 1
- Vitus Audio Brochure
- RI-100 Manual
- Mac Remote
- Power Cable
- Foam top 2
- Foam Sides 6 pieces
- RI-100
- Foam bottom
- Box

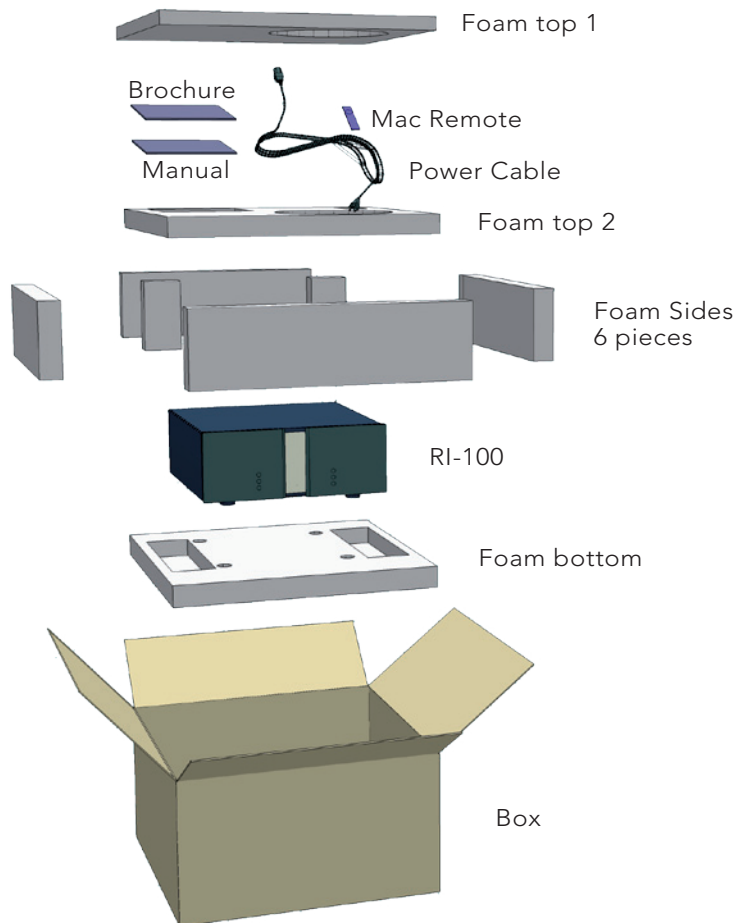


Figure 1 Box exploded view

1. getting started

Device overview

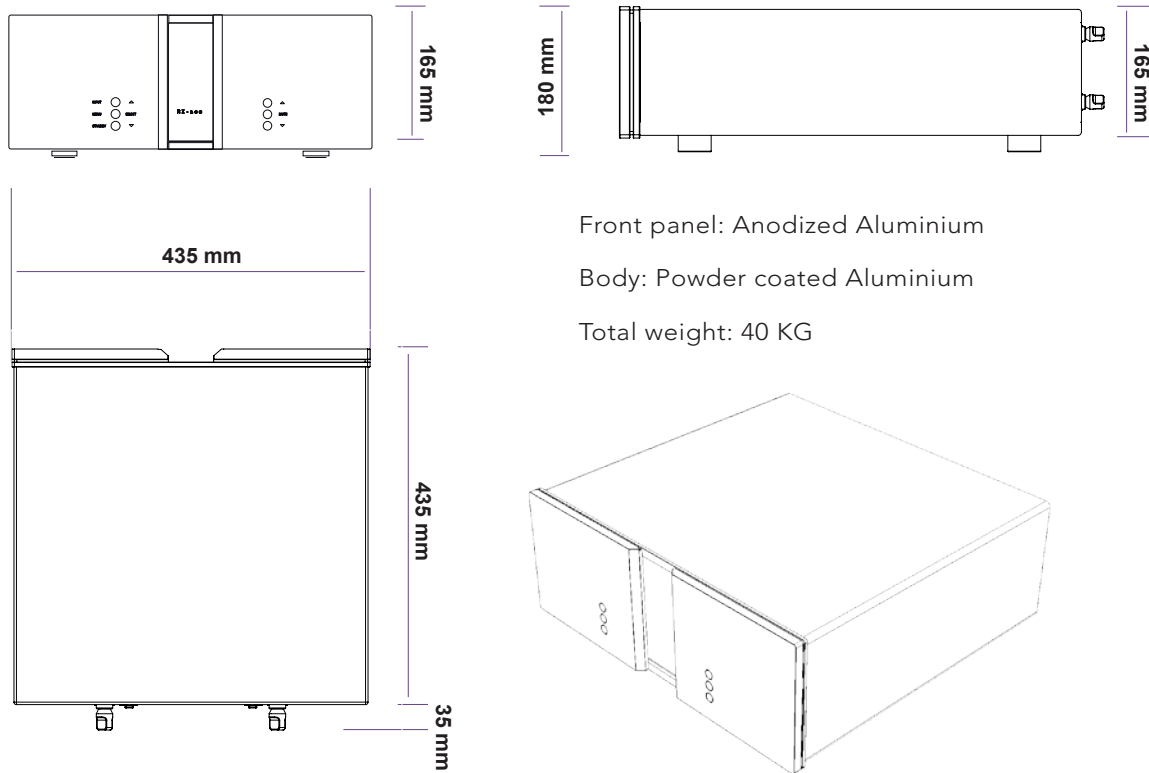


Figure 2 Device overview



1. getting started

The topology of the volume control.

The topology of the volume control used in the RI-100 is very different compared to the "standard". The RI-100 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 only 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.



2. connecting

Turning the RI-100 on and off.

Always turn on the products beginning from the source:

CD player ⇒ **pre-amplifier** ⇒ **power amplifier.**

Always turn off your products in reverse order:

Power amplifier ⇒ **pre-amplifier** ⇒ **CD player.**



Not following this procedure, may cause damage to any of your products/speakers.

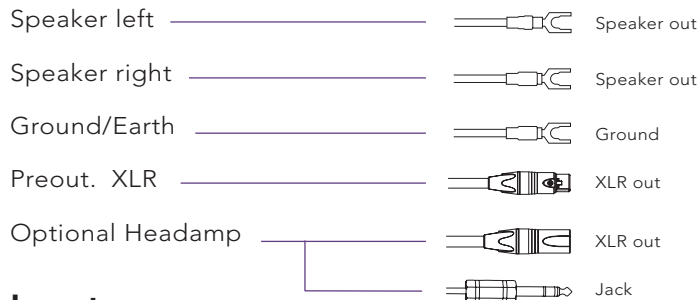
Damage caused to any of your products/speakers by not following this procedure will invalidate the warranty.



2. connecting

RI-100 rear panel

Outputs



Inputs.

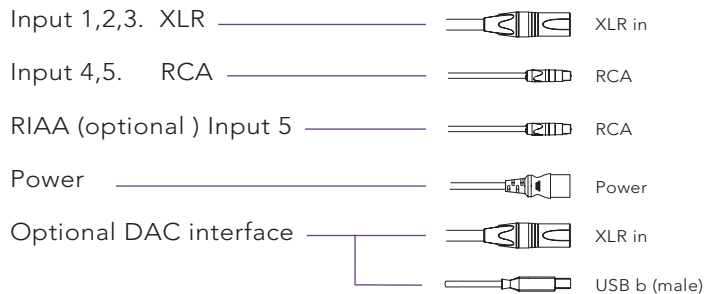


Figure 4 Plugs

Connecting the RI-100

Place the RI-100 on its shelf. Connect all the sources to the inputs of the RI-100, (labelled INPUT 1 to 5 on the rear panel.)

Connect the Speaker output of the RI-100. Carefully connect the mains to the amplifier, after you have connected both inputs and outputs.

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.

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



Figure 3 “-” output

2. connecting

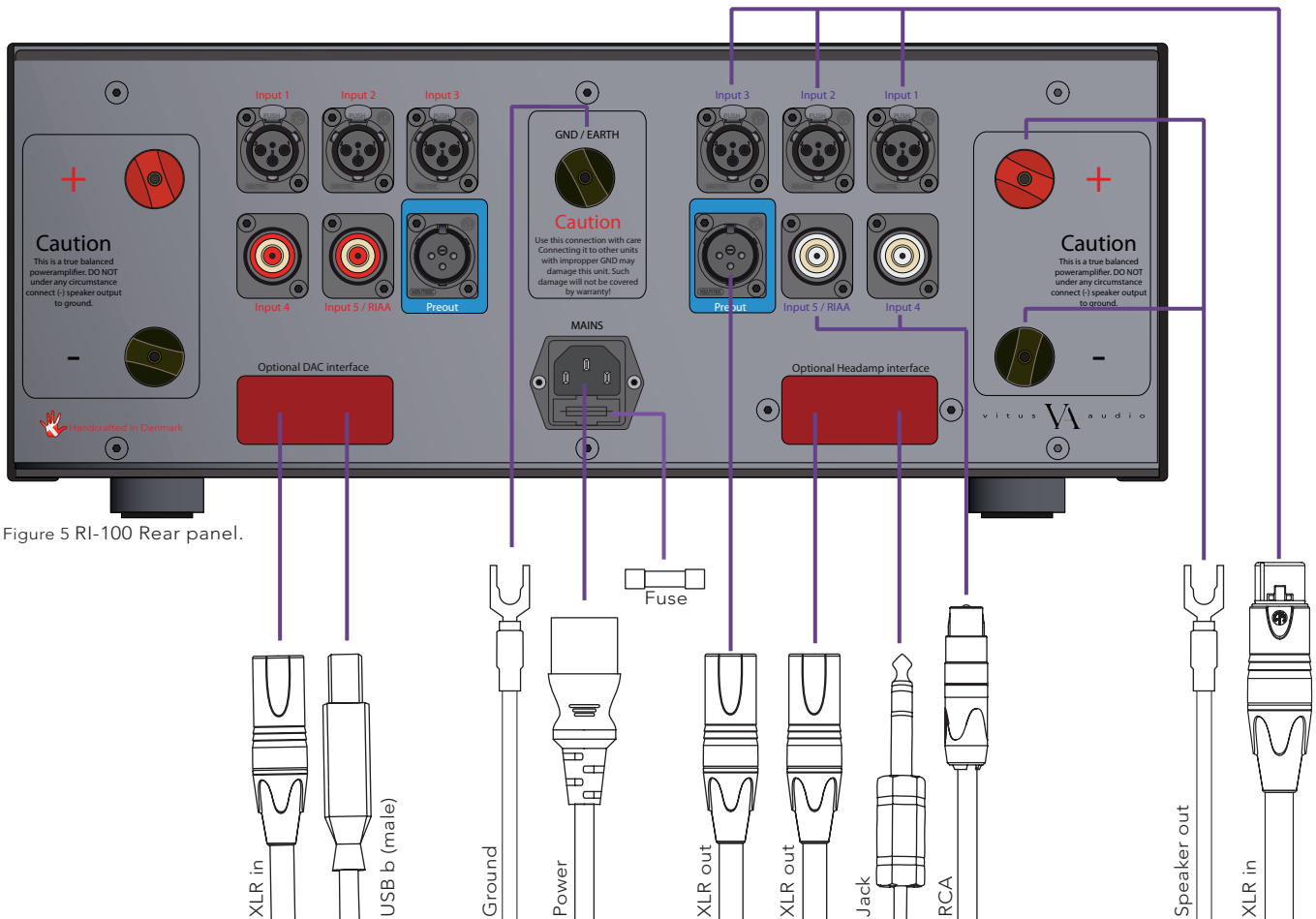


Figure 5 RI-100 Rear panel.

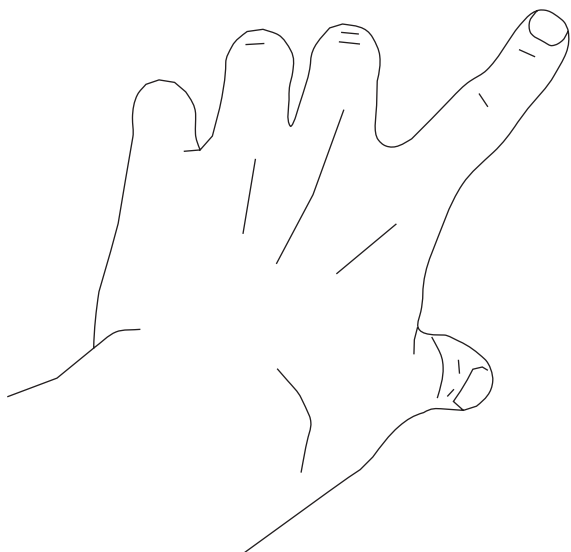


3. operation

Operation modes



Figure 6 RI-100 Front panel.



3. operation

3 Operation modes

The RI-100 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 RI-100.

3. Standby mode.

In this mode the controls of the RI-100 are deactivated.

The RI-100 does not shut down in Standby Mode in order to maintain an optimal working temperature



3. operation

Functions – left front panel



Figure 7 RI-100 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. Δ Scroll forward in the menu.
2. **MENU/SELECT** Enter & Exit submenus and select settings.
3. ∇ Scroll backward in the menu.

3. operation

Functions – right front panel

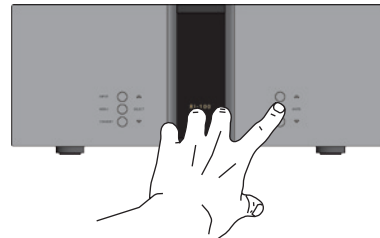


Figure 8 RI-100 Right front panel.

Normal mode

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

1. \triangle 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. \triangle Change selected character.
2. **MUTE** Go to the next character in the display.
3. ∇ Change selected character.



3. operation

The menu structure

You can modify the settings of the RI-100. You do this by entering the menu. On page 23 you can find a graphical reproduction of the menu. The sub-menus are indicated with a colour. **OUTPUT** **RESET** **REMOTE**, **V.INIT** and **INPUTS** In the Appendix (chapter 7 of the manual) you can find various examples of how to change the settings of the RI-100.

Selecting output

This option is only available when you have the optional headamp interface module installed in the RI-100. Here you can switch output from **SPEAKERS** to **HEADPHONES**.

Reset

Restore the settings of the RI-100 to its default settings.

Input settings

The RI-100 comes with 5 inputs. The settings for each individual input can be adjusted in the menu. The input selection is saved automatically every 10 minutes. Each time you initialize the RI-100, the last saved setting is restored. You can manually save a setting by pressing the **MENU** button down 2-3 sec. When "SAVE" is shown in the display, the setting has been saved.

Input name settings

As a standard, 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 in the list, you can choose to make your own device name.

Input gain settings

Offset gain setting / Sensitivity 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 high sound level differences. To accommodate easy operation, we have included a gain (or as some prefer to call it – sensitivity setting) in our amplifiers – it simply sets the volume starting point at a specific volume – to match the source. The offset-value can be set from - 12 dB to +12 dB.

Disabling inputs

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 input.



3. operation

Remote settings

The RI-100 is standard shipped with a Apple Remote.

The Apple remote that comes with the RI-100 can be used on all Reference devices. If you own two (or more) reference devices than it is recommended that you pair the remote(s) with their devices.

Volume settings

The RI-100 starts up in the same volume step on initialization. You can select in which volume step, the RI-100 should initialize. You can set the initial volume step in the menu, to a step between -99.0dB and +6dB.

You can also set the initial volume-step to "REMEMBER". When you set the RI-100 to "REMEMBER", then it remembers the volume step from when it was put to standby. Next time the RI-100 leaves standby, it will start in this volume step.



3. operation

Discription of the elements in the menu.

OUTPUT

Change between speaker and headphone output.

SETUP

Change the settings of the RI-100.

DATA

Shows information about this RI-100.

RESET

Restore the settings of the RI-100 to its default settings.

REMOTE

Change the settings of the Apple Remote.

REMOTE ID

Show the ID of the remote.

NO PAIR

Un-pair the remote and the RI-100 by removing the REMOTE ID

V.INIT

Change the initial dB step of the volume in the RI-100 to any step between -99 and 12 dB

VOL.STEP

The RI-100 has a standard volume step of -42 dB. You can set the volume step to a step, between -99.0 dB to +6dB. This step will be the new volume step. Even when after the power cord has been disconnected the RI-100 still starts up in the new volume step.

REMEMBER

Set the RI-100 to remember the current volume step. The RI-100 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 RI-100 will initiate in the volume step as it is defined in the V.INIT sub-menu.

BRIGHT

Change the brightness of the display any step between 0 and 3.

INPUTS

Change settings for each input.

INPUT X

Change the settings of input X.

USED

Select whether input X has to be USED or not NOT USED. When you select NOT USED input X will not be shown in the list of inputs.

TEXT

Choose a name for input X.

OFFSET

Select an offset- gain, between -12 and 12 dB, for input X.

SET FIX

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

FIXED

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

ADJUST

Adjust the fixed dB step to any step between -99 and +12 dB



3. operation

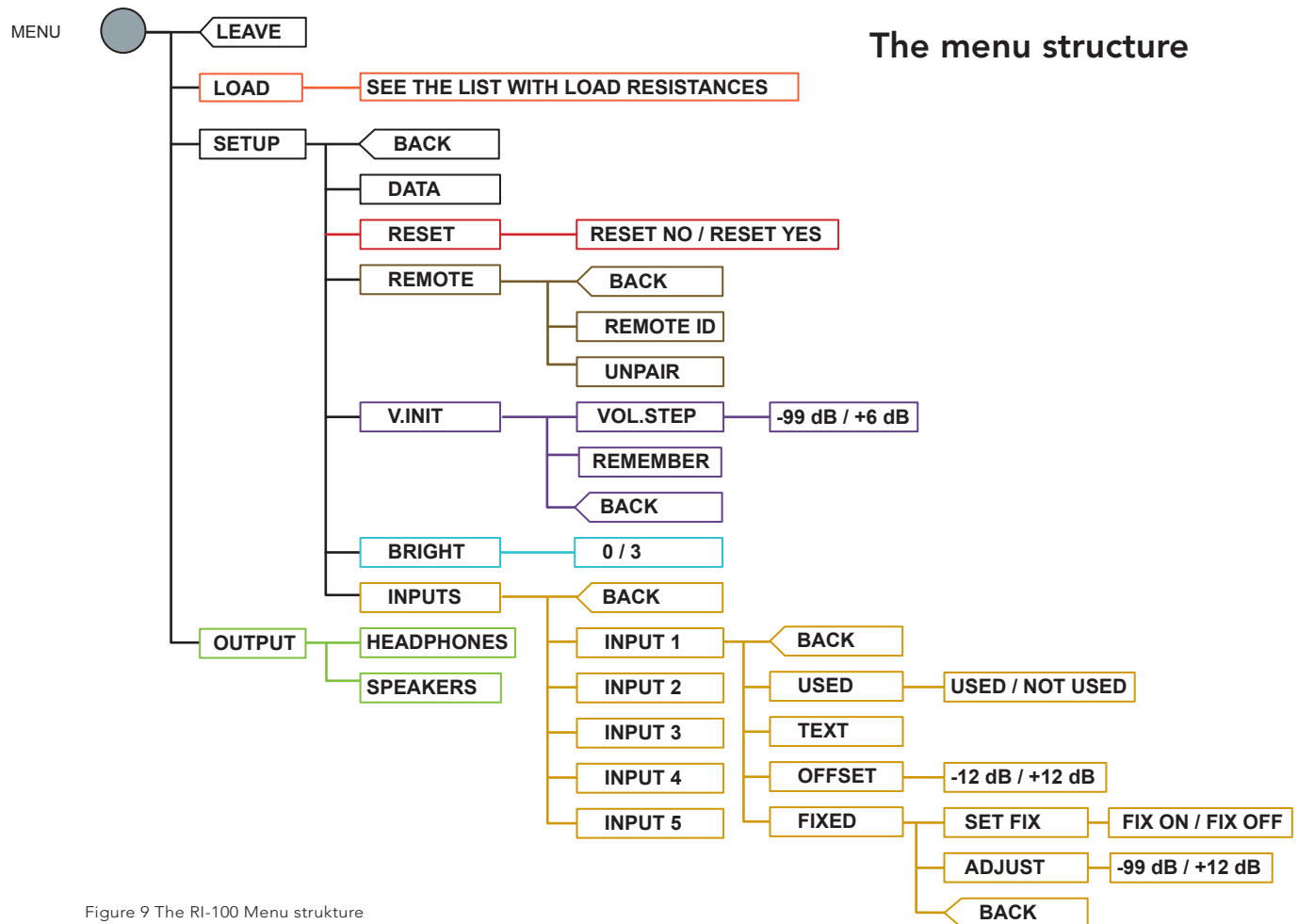


Figure 9 The RI-100 Menu structure



4. operation & service

Safety notice

The Vitus Audio RI-100 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 RI-100 show signs of malfunction, then please contact your dealer or Vitus Audio.

Mains supply voltage

Any unit may be set for operation in 100V, 115V or 230V A.C. 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.

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 RI-100 show signs of malfunction, please contact your dealer or Vitus Audio.



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 guarantee.

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 steps we will show you how to replace a blown fuse.



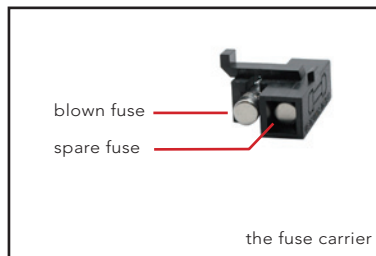
1 The fuse carrier is placed on the back under the power connector



2 Loosen the fuse carrier. Using a flat object for example a flat screwdriver.



3 Pull the fuse carrier out.



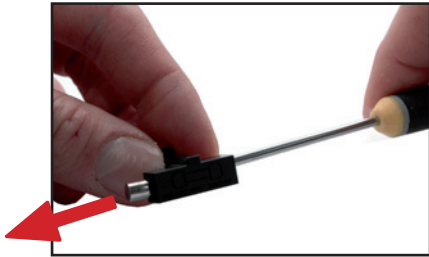
4 There is a spare fuse available in the fuse carrier.



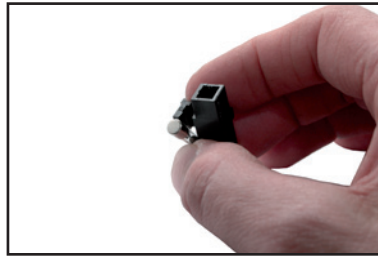
5 Take the blown fuse out of the fuse carrier and throw it away.

Figure 10 Replacing a blown fuse

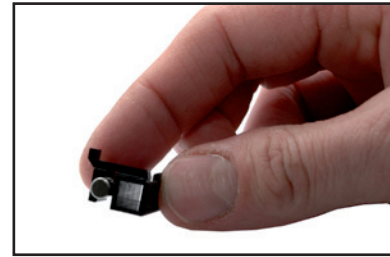
4. operation & service



6 Flip the spare fuse out using a pointy object..



7 Place the spare fuse in the fuse carrier and click the fuse in place.



9 Push the fuse carrier back into the machine.



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. REMEDY

In the event the above product fails to meet the above Warranty and the above conditions have been met, the purchaser's sole remedy under this Limited Warranty shall be to return the product to Vitus Audio or an authorized Vitus Audio repair center where the defect will be rectified without charge for parts and labor, except chassis parts. (See 6)

4. 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.

5. 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



5. warranty

partner, whichever comes first.

6. CHASSIS

Damage or cosmetic defects are not warranted.

7. 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.

8. 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.

9. WARRANTOR

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

AVA Group A/S
Sandgaardsvej 31, Birk
DK7400 Herning
Denmark
Att.: Customer Service



5. warranty

10. 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.

11. FURTHER INFORMATION

Should you have any further questions related to our warranty – please contact us at the following email:
info@vitusaudio.com



6. specifications

RI-100 Specifications

Rated Output Power.....	2 x 300Wrms in 8 ohm Class AB
Frequency Respon.....	DC to +500KHz
Signal to Noise Ratio.....	> 100dB
THD+ Noise.....	Better than 0,01%
Input Sensitivity.....	with volume set @ 0dB / RCA = 2, 6 / XLR 5,2V RMS
Input Impedance.....	RCA = 22K Ω / XLR = 22K Ω
Slew Rate.....	> 35V/ μ s
Power Consumption (RMS):	
Standby.....	< 3W
Class AB (no load).....	~ 90W
Dimensions (W x H x D).....	435x195x435 mm
Weight.....	~40Kg



Load values of the RIAA Module.

The RIAA module in the RI-100 is designed for pickup cartridges with an output of ca $800 \mu V_{rms}$ and a load value between 105Ω and $47 \text{ k}\Omega$.

We recommend you to use the RIAA module in the RI-100 with cartridges that have an output value higher than $500 \mu V_{rms}$.

Load values
105Ω
110Ω
120Ω
125Ω
150Ω
160Ω
175Ω
190Ω
240Ω
272Ω
310Ω
370Ω
655Ω
980Ω
$1.92 \text{ K}\Omega$
$47.0 \text{ K}\Omega$



7. examples operation

Example 1 Setting the load impedance.

The RI-100 is standard set to a load impedance of 110 Ω

In the example we will change the settings of the RP-101 to match the Cadenza Blue from Ortofon. This is a MM pickup with a load impedance of 50-200 Ω .

Press the "MENU" button to enter Menu Mode. Navigate to the LOAD submenu, using the function buttons on the left front. Set the load to 125 Ω

1. Δ Scroll forward in the menu.
2. **MENU/ SELECT** Enter & Exit submenus and select settings.
3. ∇ Scroll backward in the menu.

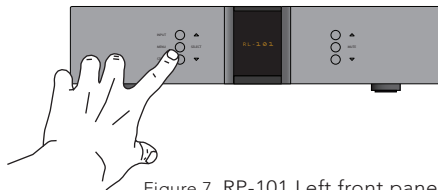
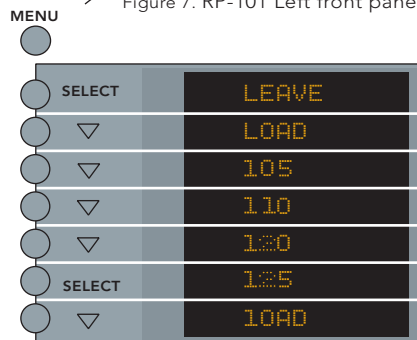


Figure 7. RP-101 Left front panel.



You can eventually adjust the load impedance by setting the load impedance to 105 110, or 120 150 160 175 or 190 Ω (all within the range of the pickup cartridge).



7. examples operation

Example 2 Changing output from speakers to headphone.

Only applies when the optional headamp module is installed in your RI-100.

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

1. Δ Scroll forward in the menu.
2. **MENU/SELECT** Enter & Exit submenus and select settings.
3. ∇ Scroll backward in the menu.

Enter the "MENU" submenu and scroll down using the ∇ button. The display now shows Output. Press the "SELECT" button. The display now shows HEADPHONES. Press "SELECT" the output of the RI-100 is now changed from SPEAKERS to HEADPHONES

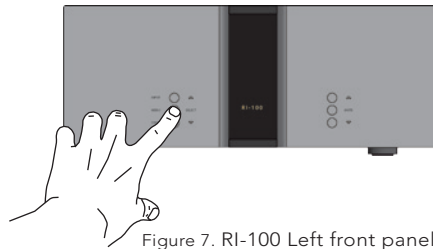


Figure 7. RI-100 Left front panel.

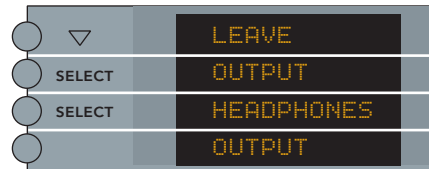


Figure 11 Example 1 Changing output

7. examples operation

Example 3 Restoring the settings of the RI-100

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

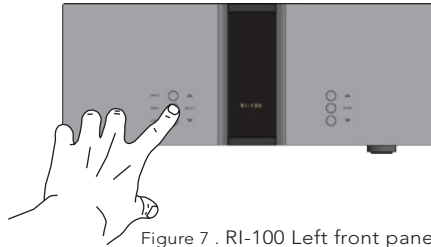





Figure 7 . RI-100 Left front panel.

1.  Scroll forward in the menu.
2. **MENU/SELECT** Enter & Exit submenus and select settings.
3.  Scroll backward in the menu.

Enter the RESET submenu. The display now shows RESET NO. Press the  button. The display now shows RESET YES. Press the SELECT button. The settings of the RI-100 have now been restored.

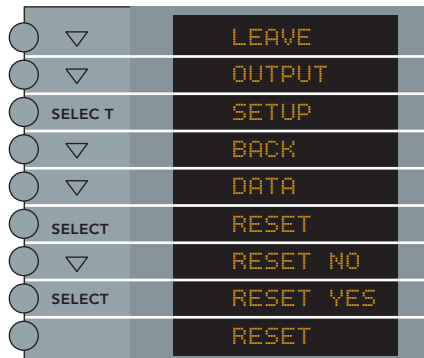


Figure 12 Example 2 Restoring settings



7. examples operation

Example 4 Changing remote settings

The remote is (fresh from the box) not paired to the RI-100. When you go into the menu to see the remote ID, the display will show NO PAIR.

You first have to pair the remote and the RI-100 to get a remote ID. Pairing of the remote and the RI-100 is explained on page 33.

Un-pairing of the remote.

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

1. Δ Scroll forward in the menu.
2. **MENU/ SELECT** Enter & Exit submenus and select settings.
3. ∇ Scroll backward in the menu.

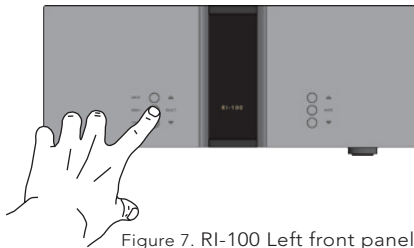


Figure 7. RI-100 Left front panel.

Enter the "MENU" submenu and scroll down using the ∇ button. The display now shows "UNPAIR". Press the "SELECT" button. The display now shows NO PAIR. This means that the remote and the RI-100 are now unpaired.

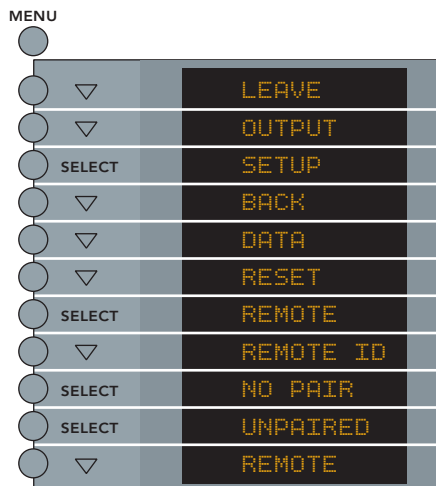


Figure 13 Example 3 Changing settings of the remote

7. examples operation

Example 5 Pairing the remote and the RI-100

Follow these steps

1. Press and hold the Standby button.
2. Press and hold the Next Input button.
3. Hold these buttons down for 5 seconds. The display shows the Remote I.D (for example 155).

Changing the Re- mote ID.

When two devices have the same Remote ID. Then you can change the remote id of one of the devices

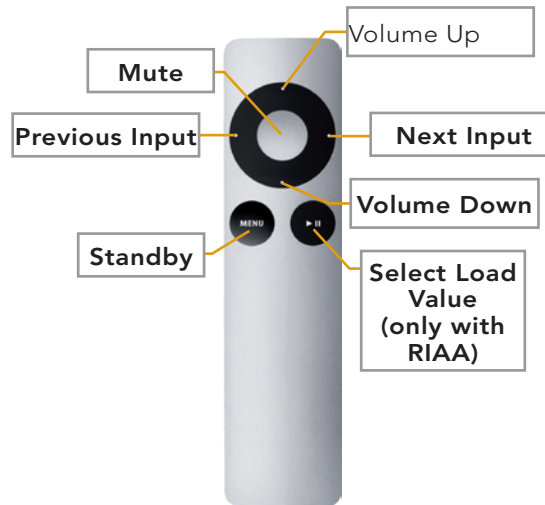


Figure 14 Mac-remote functions.

Follow these steps

1. Press and hold the standby button.
2. Press and hold the Mute button.
3. Hold these buttons down for 5 seconds. The display now shows the new Remote ID (old ID + 1, fx 156)

Unpairing the remote and the RI-100.

Follow these steps

1. Press and hold the standby button.
2. Press and hold the Previous Input button.
3. Hold these buttons down for 5 seconds. The display shows NO PAIR



7. examples operation

Example 6 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. Δ Scroll forward in the menu.
2. **MENU/** Enter & Exit submenus and select settings.
SELECT
3. ∇ Scroll backward in the menu.

In the V.INIT submenu you can adjust the initial volume step. This is the volume step the RI-100 start up in when he leaves standby mode. The initial volume step is as a standard set to -42.

Set the volume step to -30 using the Δ and the ∇ buttons. Press SELECT and leave the menu. Next time you initialize the RI-100, the volume step will be -30.

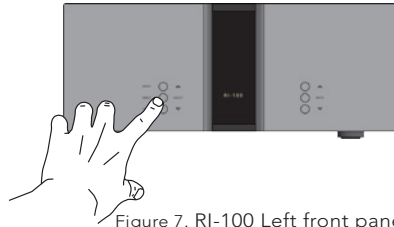


Figure 7. RI-100 Left front panel.

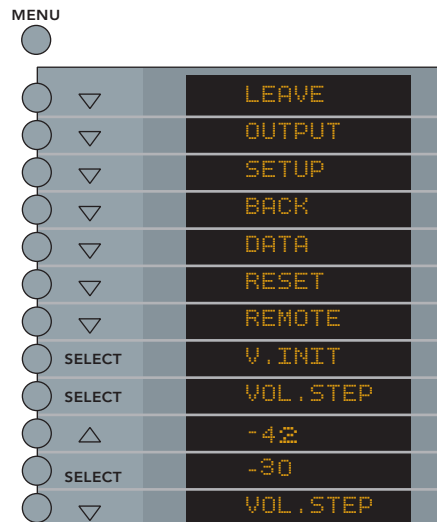


Figure 15 Example 5 Setting initial volume step

7. examples operation

Example 7 Setting the RI-100 to remember the current 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. Δ Scroll forward in the menu.
2. **MENU/SELECT** Enter & Exit submenus and select settings.
3. ∇ Scroll backward in the menu.

In the V.INIT submenu you can set the RI-100 to remember the current volume step. The RI-100 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 RI-100 will initiate in the volume step as it is defined in the V.INIT sub-menu (example 5).

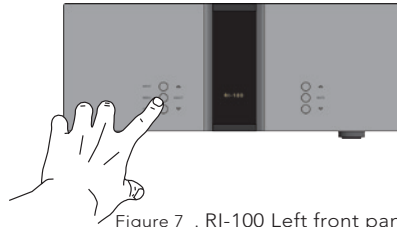


Figure 7 . RI-100 Left front panel.

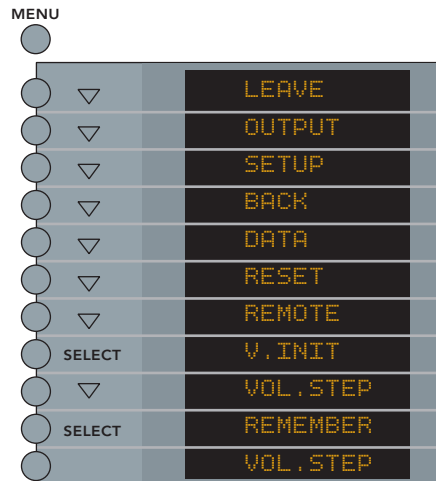


Figure 16 Example 6 Remember volume step

Go to REMEMBER press SELECT. The display now shows VOL.STEP. The RI-100 will now start up in the current volume step when it leaves standby.



7. examples operation

Example 8 Changing brightness from 0 to 1.

You can adjust the brightness of the display.

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

1. Δ Scroll forward in the menu.
2. **MENU/SELECT** Enter & Exit submenus and select settings.
3. ∇ Scroll backward in the menu.

Enter the "BRIGHTNESS" submenu. The display now shows "0". Press the " Δ " button. The brightness is now set to 1. Press "SELECT" to leave the. "BRIGHTNESS" submenu. The new brightness level is now saved.

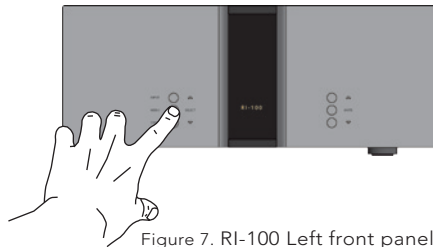


Figure 7. RI-100 Left front panel.

MENU	
∇	LEAVE
∇	OUTPUT
SELECT	SETUP
∇	BACK
∇	DATA
∇	RESET
∇	REMOTE
∇	V. INIT
SELECT	BRIGHT
Δ	0
SELECT	1
∇	Bright

Figure 17 Example 7 changing brightness

7. examples operation

Example 9

Set the volume of input 1 to a fixed volume step of -30 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.

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

1. Δ Scroll forward in the menu.
2. **MENU/ SELECT** Enter & Exit submenus and select settings.
3. ∇ Scroll backward in the menu.

Navigate to the FIX sub-menu. Select SET FIX and then select FIX ON. The display now shows -0.42.

MENU		
	∇	LEAVE
	∇	OUTPUT
	SELECT	SETUP
	∇	BACK
	∇	DATA
	∇	RESET
	∇	REMOTE
	∇	V. INIT
	∇	BRIGHT
	SELECT	INPUTS
	∇	BACK
	SELECT	INPUT ¹
	∇	BACK
	∇	USED
	∇	TEXT
	∇	OFFSET
	SELECT	FIXED
	SELECT	SET FIX
	∇	FIX ON
	SELECT	FIXED
	Δ	SET FIX
	SELECT	ADJUST
		-42.0
		-30.0
		ADJUST

Figure 18 Example 8 Fix volume step

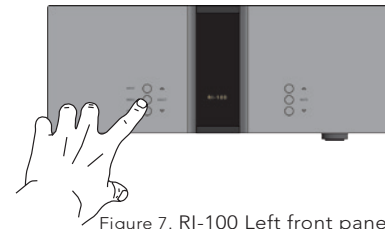


Figure 7. RI-100 Left front panel.

This is the volume step in which the RI-100 initialises as a standard. Adjust the volume step to -30 dB and press the SELECT button. The display now shows SET FIX.

Input X 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 10 Changing the offset-gain of the inputs.

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

You can not change the offset gain when you selected FIX ON.

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

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

MENU	
▽	LEAVE
▽	OUTPUT
SELECT	SETUP
▽	BACK
▽	DATA
▽	RESET
▽	REMOTE
▽	V. INIT
▽	BRIGHT
SELECT	INPUTS
▽	BACK
SELECT	INPUT1
▽	BACK
▽	USED
▽	TEXT
SELECT	OFFSET
▽	0.0
▽	-1.0
▽	-2.0
SELECT	-3.0
▽	OFFSET

Figure 19 Example 9 Changing the offset-gain of inputs

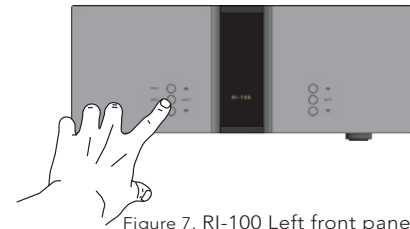


Figure 7. RI-100 Left front panel.

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.

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

7. examples operation

Example 11 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. Δ Scroll forward in the menu.
2. **MENU/SELECT** Enter & Exit submenus and select settings.
3. ∇ Scroll backward in the menu.

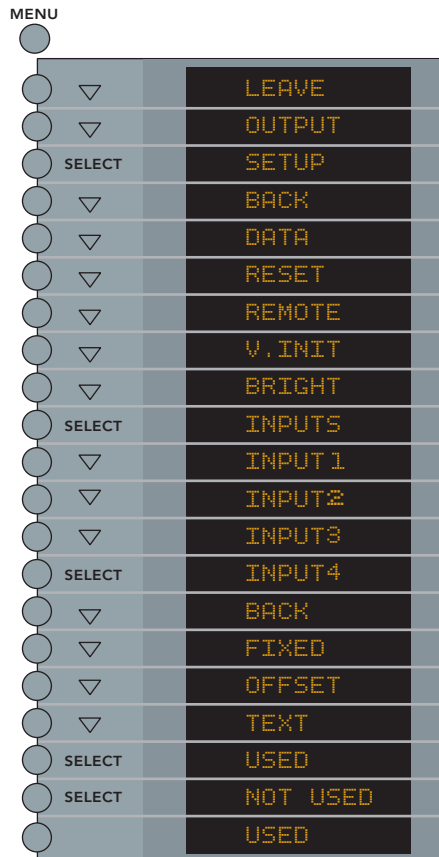


Figure 20 Example 10 Disabling inputs

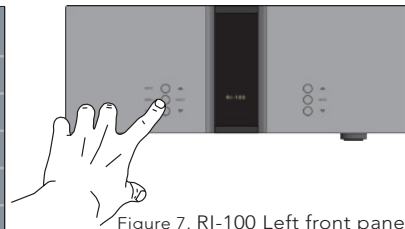


Figure 7. RI-100 Left front panel.



7. examples operation

Example 12 Changing the name of INPUT 1 to SCD-010.

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

1. Δ Scroll forward in the menu.
2. **MENU/ SELECT** Enter & Exit submenus and select settings.
3. ∇ 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 Δ and the ∇ buttons.

Select the name SCD-010 using the SELECT button.

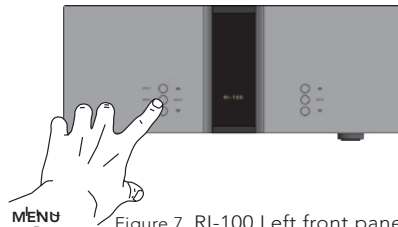


Figure 7. RI-100 Left front panel.

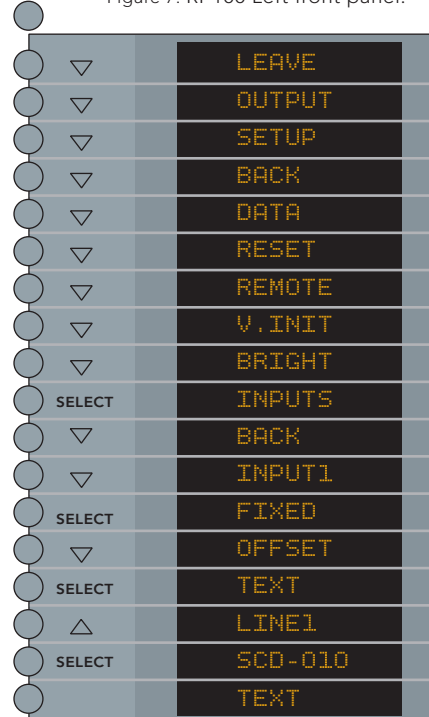


Figure 21 Example 11 Changing the input name.

7. examples operation

Example 13 Changing the name of INPUT 1 to PICKUP

If you want to use an input-name that is not in the predefined list, then it is possible to manually add a name to the list.

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

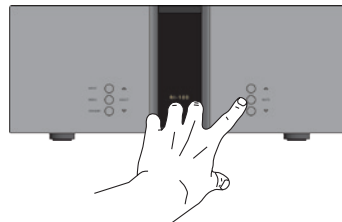


Figure 8. RI-100 Right front panel.

	MENU
LINE1	<input type="radio"/> MUTE
.INE1	<input type="radio"/> ∇
PINE1	<input type="radio"/> MUTE
P.NE1	<input type="radio"/> MUTE
PI.E1	<input type="radio"/> ∇
PICE1	<input type="radio"/> MUTE
PIC.1	<input type="radio"/> Δ
PICK1	<input type="radio"/> MUTE
PICK.	<input type="radio"/> Δ
PICKU	<input type="radio"/> MUTE
PICKU.	<input type="radio"/> Δ
PICKUP	<input type="radio"/> MUTE
TEXT	<input type="radio"/> Δ

Figure 22 Example 12 Changing the input name.

We will now change the input-name "Line 1" to PICKUP (Not in the predefined list) .

We continue from the "TEXT" sub-menu in the previous example.

The display is showing LINE 1

Press MUTE
(The first character in the display starts blinking)

Press Δ or ∇ until the first character has the value you want. Press MUTE (The second character in the display starts blinking)

Press MUTE when the last character in the display is blinking. The new device name is now saved, and then you can leave the TEXT sub-menu.

When you are editing the Input name, then you can save the changes at any time. You do this by pressing the SELECT button



7. examples connecting devices

Connecting devices

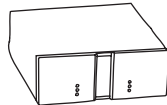
On examples 1, 2 and 3 we show you how the RI-100 can be connected to other devices.

In our examples we used the following devices

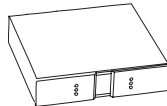
Vitus Audio Products Reference Series



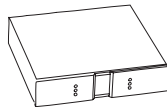
RCD-100



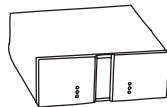
RI-100 Integrated Amplifier



RL-101 Linestage



RP-101 Phonostage

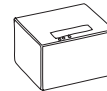


RS-100 Stereo Amplifier

3rd Party Products



Headphones



Media Center



Turntable

Figure 23 Devices used

7. examples connecting devices

Connecting devices 1

Optional Modules.

The RI-100 has
3 upgrade
possibilities.

RIAA module
DAC interface
Headamp interface

Units

Passive Speakers
RI-100
Turntable
Media Center
Headphones

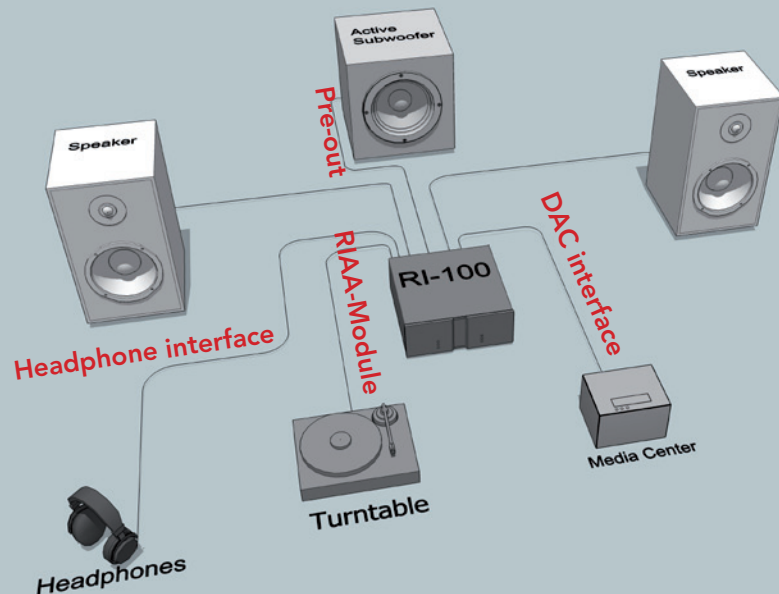


Figure 24 Optional Modules



7. examples connecting devices

Connecting devices 2

Active Subwoofer.

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

Units

Passive Speakers
Active Subwoofer
RI-100
Turntable
RCD-100

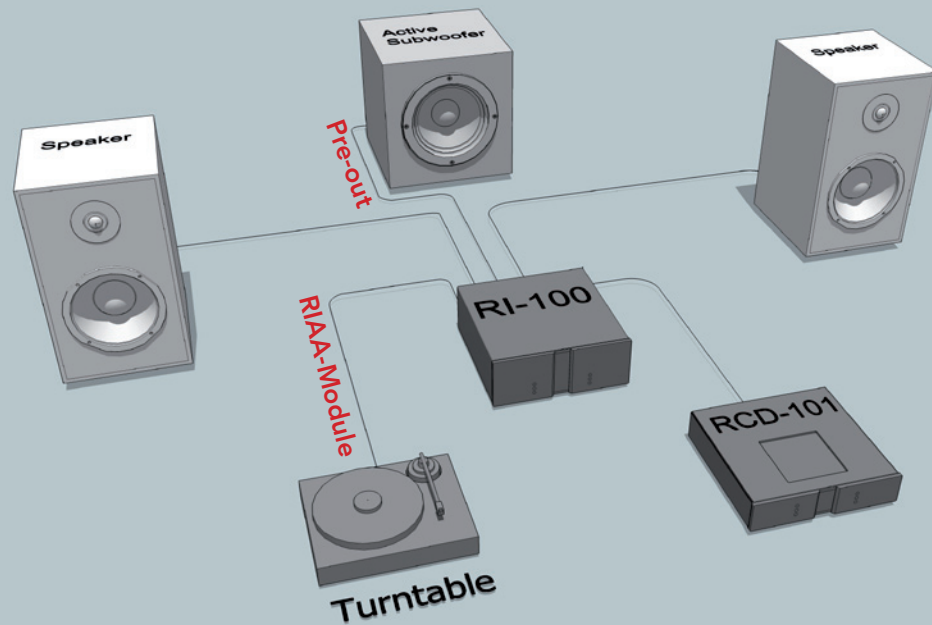


Figure 25 Active Subwoofer

7. examples connecting devices

Connecting devices 3

RCD-100 as DAC

The Media Center is connected to the RCD-100. The RCD-100 is used as a DAC. The RI-100 is powering the hi- and mid-tones. The RS-100 is connected to the PRE-OUT of the RI-100. The RS-100 is powering the bass

Units

Speakers (Hi-Mid)
Speakers (Low)
RI-100
RS-100
RP-101
RCD-100
Media Center
Turntable
Headphones

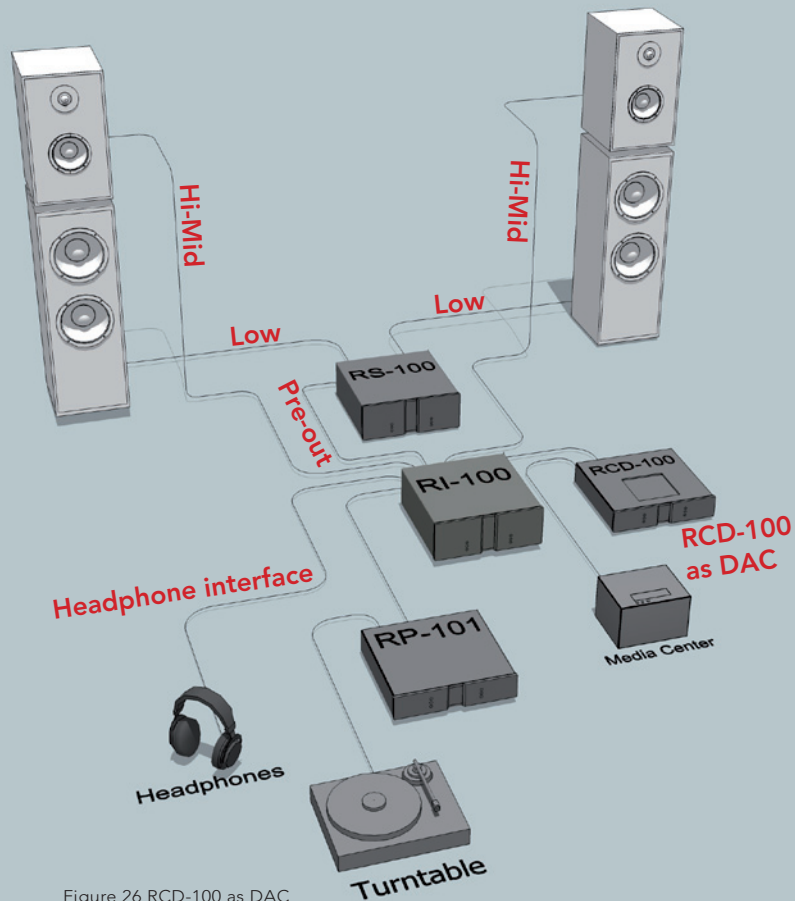


Figure 26 RCD-100 as DAC



8. pictures

RI-100 Inside view



Picture 1 RI-100 Inside view

8. pictures

RI-100 Front



Picture 2 RI-100 Front



Handcrafted in Denmark

v i t u s **VA** a u d i o

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