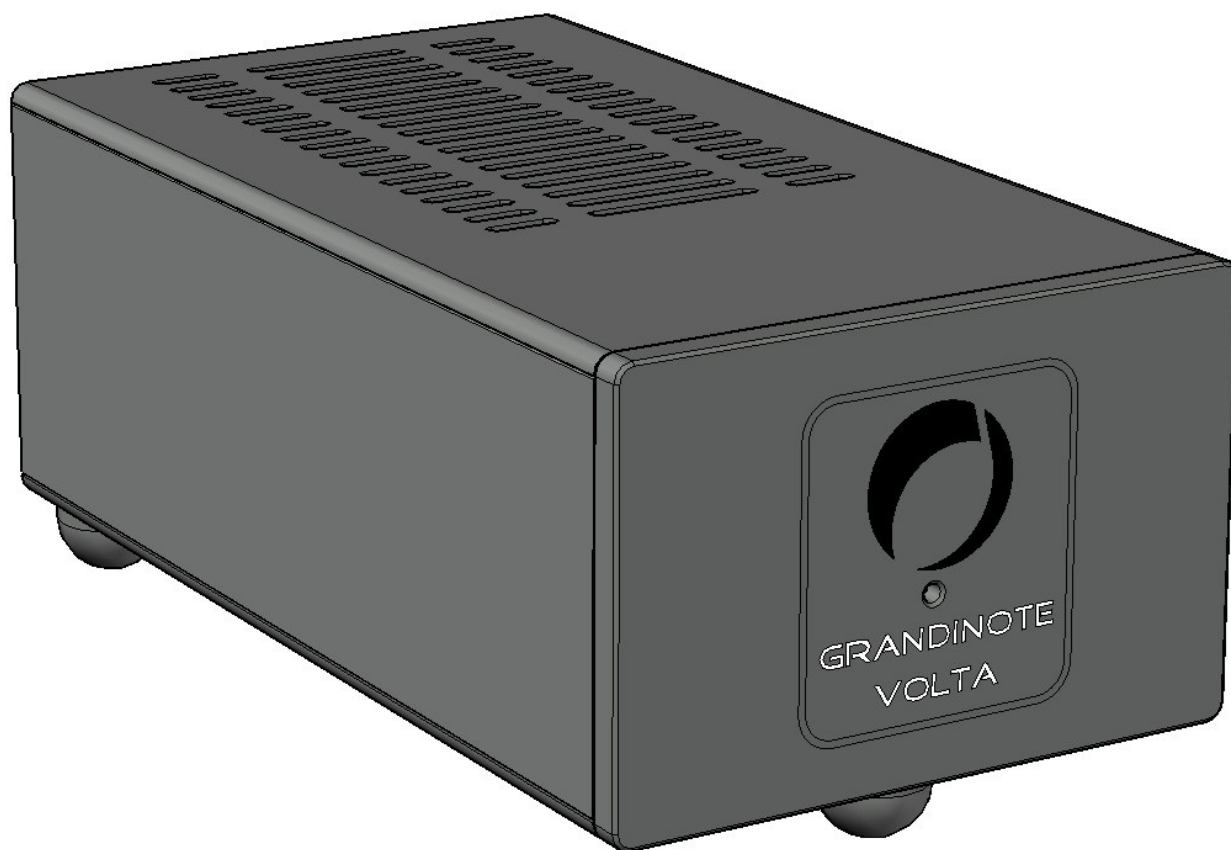


# GRANDINOTE

MAGNETOSOLID® AMPLIFIERS



# GRANDINOTE VOLTA

## USER MANUAL



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## INTRODUCTION

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**GRANDINOTE** congratulates with you for the excellent choice done, buying this exclusive devices, masterpiece of style and technology.

## PRODUCT DESCRIPTION

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**GRANDINOTE VOLTA** is a full Class A streamer-DAC.



## SPECIFICATIONS

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- Two unbalanced outputs RCA
- Two balanced outputs XLR (full-balanced)
- 2 USB 2
- 2 USB 3
- Ethernet connection
- Wi-Fi connection
- Class "A"
- Direct coupling stages: without capacitors between stages
- No feedback
- Weight 9 kg
- W=180 x H=146 x L=325 [mm]
- Voltage power supply 96-264 VAC
- Absorption 30 W

## NOTE:

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These specifications will can change without the obligation to report, by Grandinote.



## WARNINGS

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For the correct and sure use of this product, Grandinote recommends the study and the application of this warning list.

- Don't open the device.
- Don't turn off and turn on quickly the device.
- Before connecting/disconnecting cables, turn off the device and wait one minute.
- In case of malfunction, contact Grandinote's assistance.
- Don't close the vents of cooling of the device.
- Don't put objects or liquids in the vents of cooling of the device.
- Keep clean the aluminium dissipators with compressed air, or contact Grandinote's Assistance.
- Have care the device is supported by correct stand, in function of the weight of the device specified in this user manual.
- Don't strike and don't shake the device.
- Temperature range from 0°C to 35°C.
- Don't approach the device to water, acid, or dangerous substances.
- Don't put every object on the device.
- Clean only with a dry cloth, or slightly damp with water and neutral soap.
- Be sure the power supply net is correct with the device's specifications.
- Be sure the electrical load, on the output connectors, has the correct specifications for the device.
- Don't be short circuit between the connectors with other connectors, ground, the device's body or other potentials.
- Connect the inputs audio, only to appropriate and properly functioning audio sources.
- Don't put potentials or currents not appropriate in the device's inputs, only "LINE" signals.
- Handle the device with care, for don't damage it, or other things or persons.
- Use the device only for audio amplification and not for other applications.
- Keep the device away from pets, child or other people, who with an inappropriate use can cause damage.



## NETWORK CONNECTION

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Volta is an "headless" device: to control it, Volta must be connected to a network. In this way Volta will be controlled by smartphone, tablet, computer and all device with a web-browser.

When Volta is offline, it is set up in access point mode.

In this condition, the Volta can be found in the list of wi-fi networks of our devices, with the name of:

<<Grandinote Volta>>.

The password to access this network is:

<<grandinote>>.

If we enter inside the wifi network available from the Volta in access point mode, we have the possibility to enter into the Volta configurations page that we will see in the next paragraph.

In this condition, the Volta will not have access to the internet, so it will not be possible to access streaming services, but it will still be possible to play our music, available on the USB ports.

Let's call this mode: "**Volta-access-point**".

A much simpler way to connect the Volta to a network is to use its LAN port.

With an ethernet cable it will be possible to connect it to a network.

By connecting the Volta to the network via an ethernet cable the Volta will be online, so the "access point" mode just described will not be available.

Let's call this mode: "**Volta-over-network**".



## ACCESS THE CONFIGURATIONS PAGE

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To enter into configurations page,  
we need to distinguish how we are connected to the Volta:

- 1) if you are in "**Volta-access-point**";
- 2) if you are in "**Volta-over-network**".

### 1) **Volta-access-point:**

in this modality, we are connected to the Volta, as if the Volta were a router.

The address to reach the Volta configuration page, when we are connected to it as if it were a router is:

192.168.124.1:30030

By typing this address into the web browser of a device connected to the Volta, we access its configuration page.

### 2) **Volta-over-network:**

if Volta is connected to our router by LAN, the previous address 192.168.124.1:30030 will not be available.

The Volta will be connected to our router, which will have assigned a specific IP address to our Volta.

If we know the Volta IP address, we can enter into his configurations page, writing the Volta IP address, followed by :30030, into our web-browser.

EXAMPLE:

If the Volta IP address is 192.168.1.23

his configuration page is 192.168.1.23:30030

Alternatively, we can write the following address:

grandinotevolta.local:30030

Or:

http://grandinotevolta.local:30030



## USE ON THE CONFIGURATIONS PAGE

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Into the configurations page we can manage:

- 1) the credentials to access a Wi-Fi network;
- 2) the operating mode of the Volta.

### 1) Wi-Fi setting

You can select the wifi network where to link Volta and to edit this wifi password.

If we got to this page through "**Volta-access-point**", as soon as the Volta connects to a Wi-Fi network, the access point mode will collapse and the <<192.168.124.1:30030>> address will be unavailable.

Our router will assign to the Volta a new IP address and to enter again into this configurations page, we have to follow the instructions:

point 2 "**Volta-over-network**" at the paragrapher "**Access the configurations page**".

### 2) Music Server/LMS ROON Slave

In the "**Music Server**" modality, our player is MPD and we control our Volta by all MPD applications.

In the "**LMS ROON Slave**" modality our player is LMS: Lyrion Music Server.

In this modality we can use our Volta by Roon. We will see this modality in the next paragrapher: "**Play by ROON**".

About the LMS modality, we find a lot of informations to his official page <https://lyrion.org>.

We find a lot of APP for LMS, or **Squeezebox** (another name for LMS), for both Apple and Android, but his web interface works very, very well.

To arrive to LMS web interface:

write into your browser the Volta IP address, followed by ":9000".

Or:

grandinotevolta.local:9000

Or:

http://grandinotevolta.local:9000

NOTE:

the suffix is the difference between the LMS page and the Configurations page.

- for LMS the suffix is ":9000"

- for the configuration page is ":30030".

See the paragrapher: "**Access the configurations page**".



## PLAY BY ROON

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From the precedent paragrapher: **“Use on the configurations page”**, we saw that to use ROON with Volta, we need to set it into the **“LMS ROON Slave”** modality.

This setting is the first step.

The second step is into aour ROON configurations:

We need to enter into the ROON configuration settings and to include the use of the **Squeezebox** devices.

In this way, Volta will be present in your ROON list devices under the name Squeezebox.



## CONNECTION CONSIDERATIONS

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Volta can use a Wi-Fi connection or a LAN connection.

We must consider that, through the network, the Volta receives light data, such as remote control, but also heavy data, such as streaming audio flows.

If we are connected to a Wi-Fi channel, not overloaded with traffic, everything will be fine. This will be demonstrated by the fact that the streaming playback will be fluid, without interruptions.

If the Wi-Fi channel will not be able to support the fluid playback of streaming music, it is recommended to connect the Volta via an Ethernet cable.

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