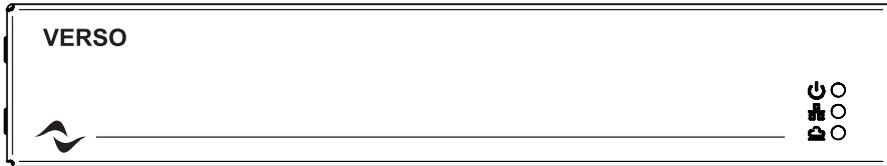




# VERSO

# USER GUIDE





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# Important Safety Instructions

## Common symbols and meanings

-  THE TRIANGLE WITH THE LIGHTNING BOLT IS USED TO ALERT THE USER TO THE RISK OF ELECTRIC SHOCK.
-  THE TRIANGLE WITH THE EXCLAMATION POINT IS USED TO ALERT THE USER TO IMPORTANT OPERATING OR MAINTENANCE INSTRUCTIONS.
-  THE CE-MARK INDICATES THE COMPLIANCE OF THE PRODUCT TO ALL THE APPLICABLE EUROPEAN DIRECTIVES
-  SYMBOL FOR EARTH/GROUND CONNECTION.
-  SYMBOL INDICATING THAT THE EQUIPMENT IS FOR INDOOR USE ONLY.
-  SYMBOL FOR CONFORMITY WITH DIRECTIVE 2012/19/EC OF THE EUROPEAN PARLIAMENT ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE).

## Safety Warnings

-  OPERATING TEMPERATURE RANGE: 0°C TO +50°C
-  STORAGE RELATIVE HUMIDITY RANGE: 10% TO 85% HUMIDITY (NON CONDENSING).
-  DO NOT USE THE UNIT AT ALTITUDES ABOVE 2000 M.
-  DO NOT USE THE UNIT IN TROPICAL ENVIRONMENT.
-  TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT ATTEMPT TO OPEN ANY PART OF THE UNIT. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
-  DO NOT SPILL WATER OR OTHER LIQUIDS INTO OR ON THE DEVICE.
-  VERIFY THAT YOUR MAINS CONNECTION IS CAPABLE OF SATISFYING THE POWER RATINGS OF THE DEVICE.
-  NO NAKED FLAME SOURCES SUCH AS LIGHTED CANDLES SHOULD BE PLACED ON THE DEVICE.
-  THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR DAMAGES CAUSED TO PERSONS, THINGS OR DATA DUE TO AN IMPROPER OR MISSING GROUND CONNECTION.
-  IT IS ABSOLUTELY NECESSARY TO VERIFY THESE FUNDAMENTAL REQUIREMENTS OF SAFETY AND, IN CASE OF DOUBT, REQUIRE AN ACCURATE CHECK BY QUALIFIED PERSONNEL.



Please read and keep all safety and use instructions.

This product is intended for installation by professional installers only! This document is intended to provide professional installers with basic installation and safety guidelines for this product in typical fixed-installation systems. Please read this document and all safety warnings before attempting installation.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this equipment near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## Warranty and Technical Service

This product is covered by a limited warranty.

 This Powersoft product contains no user-serviceable parts. All warranty repairs must be carried by a certified technician operating in a Powersoft Authorized Service Centre.

Contact The Authorized Service Center For Ordinary And Extraordinary Maintenance. To learn more about warranty terms and conditions, visit [powersoft.com/warranty](https://powersoft.com/warranty)

For any service related enquiry, please visit [powersoft.com/en/product-repair/](https://powersoft.com/en/product-repair/)

# EC Declaration Of Conformity

## Regulatory Compliance Statements

### Europe

If the time arises to dispose of your product, please recycle all possible component. This symbol indicates that when the end-user wishes to discard this product, it must be sent to separate collection facilities for recovery and recycling. By separating this product from other household-type waste, the volume of waste sent to incinerators or land-fills will be reduced and natural resources will thus be conserved.



The Waste Electrical and Electronic Equipment Directive (WEEE Directive) aims to minimise the impact of electrical and electronic goods on the environment. Powersoft S.p.A. comply with the Directive 2012/19/EU of the European Parliament on waste electrical and electronic equipment (WEEE) in order to reduce the amount of WEEE that is being disposed of in land-fill site. All of our products are marked with the WEEE symbol; this indicates that this product must NOT be disposed of with other waste. Instead it is the user's responsibility to dispose of their waste electrical and electronic equipment by handing it over to an approved reprocessor, or by returning it to Powersoft S.p.A. for reprocessing. For more information about where you can send your waste equipment for recycling, please contact Powersoft S.p.A. or one of your local distributors.

### USA

#### FCC Supplier's Declaration of Conformity

Responsible Party:  
Powersoft S.p.A.  
Via Enrico Conti, 5  
50018 Scandicci (FI) – Italy  
Phone: +39 055 735 0230  
Fax: +39 055 735 6235

#### FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit
- Different from that to which the receiver is connected.

### Canada

#### Canadian Caution

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- 1) This device may not cause interference.
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

#### ICES-003 Class B Notice

This Class B digital apparatus complies with Canadian ICES-003.

#### Radiation Exposure Statement

This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Manufacturer:  
Powersoft S.p.A.  
via E. Conti 5  
50018 Scandicci (Fi)  
Italy



We declare that under our sole responsibility the products:

Model Names:

VERSO

Intended use: Gateway

Are in conformity with the provisions of the following EC Directives, including all amendments, and with national legislation implementing these directives:

|            |   |
|------------|---|
| 2014/35/EU | Low Voltage Directive                   |
| 2014/30/EU | Electromagnetic Compatibility Directive |
| 2011/65/EU | RoHS Directive                          |

The following harmonized standards are applied:

EN 55032:2015,  
EN 55032:2015/A11:2020  
EN 55035:2017,  
EN 55035:2017/A11:2020  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 61000-3-11:2000  
EN 62368-1:2014  
EN 62368-1:2014/AC:2015

Scandicci,  
March 2024

Marco Cati  
Quality & After Sales Manager

For compliance questions only: [compliance@powersoft.it](mailto:compliance@powersoft.it)

# INTRODUCTION

## Welcome

We appreciate your choice of choosing Verso, a functional addition to our professional audio solutions. This device plays a pivotal role in enhancing the capabilities of your audio system by enabling seamless integration of noncloud- native amplifiers, including popular series like Ottocanali, Quattrocanali, Duecanali, Mezzo, T, and X, with Powersoft's MyUniverso cloud platform. Verso stands out for its ability to bring advanced control, monitoring, and efficiency to traditionally standalone audio systems. Bringing these amplifiers to the cloud opens up new possibilities for remote management and diagnostics, making your audio system management more streamlined and effective.

In the following sections of this manual, we will delve into the key features that make Verso an essential component in modern audio setups. We will also provide a comprehensive overview of its hardware, including descriptions of its front and back panels, to help you understand and use this device to its fullest potential.

The EUT model VERSO also allows customers to collect data analytics from their own installations. These data can be used for maintenance/service purposes and allows more informed system management.

This gateway features 1/2 RU design that to install into a rack and can be used as a Dynamic Music Distribution system View Host.

The Verso gateway supports industry standard, secure data communications, and features dual Gigabit Ethernet ports for isolating AV device traffic from the facility or corporate network.

A redundant power supply helps preventing downtime in mission-critical applications, ensuring continuity of service and data logging even during mains' power outages.

## Key Features

The Powersoft Verso is designed with a set of distinctive features that cater to the needs of modern audio systems, enhancing both functionality and user experience. Here are the key features that set Verso apart:

- 1. Cloud Integration with MyUniverso:** Verso enables non-cloud-native Powersoft amplifiers to connect with the MyUniverso cloud platform. This integration facilitates remote management and monitoring, providing users with real-time access to system performance, diagnostics, and controls.
- 2. Enhanced Security:** By serving as a central point of cloud exposure, Verso Gateway significantly improves network security. This centralized approach reduces the risk of unauthorized access and makes the entire system more secure.
- 3. Dual Ethernet Ports:** The device features two Ethernet ports, each with a specific function. One port is dedicated to local amplifier network connections for system control, while the other port provides internet and cloud connectivity, streamlining network setup and reducing cable complexity.
- 4. Power over Ethernet (PoE) Support:** The local Ethernet port supports PoE, allowing both data transfer and power supply through a single cable. This not only simplifies installation but also serves as a redundant power source, enhancing the reliability of the system.
- 5. Onboard Storage Capacity:** With 12GB of onboard storage, Verso Gateway ensures that system logging and important data are securely stored, even in the event of network instability. This feature is crucial for maintaining data integrity and system reliability.
- 6. DMD System Server Capability:** Verso can act as a server for Dynamic Music Distribution systems, allowing for the exposure of DMD views on two separate subnets. This capability is especially useful in environments where users need access to the SysControl app while keeping the amplifiers isolated.

**7. Compact and Efficient Design:** Occupying only half the space of a standard 1U rack unit, Verso Gateway is designed for efficiency and ease of integration into existing audio racks, making it a space-saving yet powerful solution.

**8. LED Indicators for Easy Diagnostics:** The front panel includes three RGB LED indicators, providing immediate visual feedback about the operational state of the device. This feature aids in quick diagnostics and troubleshooting.

**9. USB Type-C and Type-A Ports:** The inclusion of a USB Type-C port for redundant power and a USB Type-A port for the Easy Swap feature adds to Verso's versatility and power redundancy. The Easy Swap functionality enables quick device replacement, minimizing downtime in critical situations.

**10. SNMP Support:** Verso supports SNMP (Simple Network Management Protocol), allowing it to be integrated into broader network management systems for enhanced monitoring and control.

# HARDWARE OVERVIEW

## Front Panel

### RGB LED Indicators:

**1. Operational Status LED:** Indicates the overall status of Verso Gateway. Different colors and blinking patterns provide information about power status, network connectivity, and operational alerts.

**2. LAN Status LED:** Shows the status of the local network connection. This LED helps in diagnosing network connectivity issues at a glance.

**3. Internet Status LED:** Indicates the status of the internet connection, crucial for cloud connectivity and remote management.

Visit the section [Verso Statuses and LED Indicators](#) for more details about LED behaviours and the device statuses.

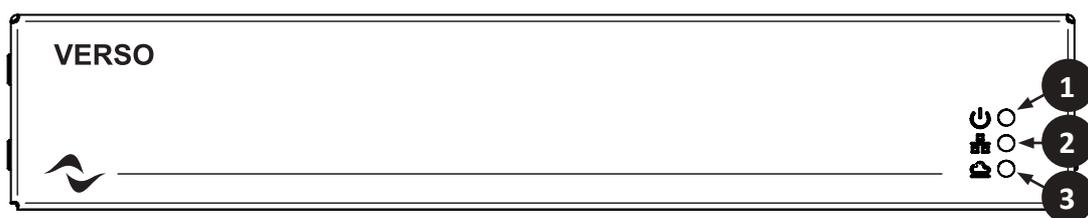


Image 1 - Verso front panel

# Rear Panel

## 1. Ethernet Ports:

1.1. Ethernet Port 1 (ETH 1 – LAN): Designed for connecting to the local amplifier network. This port facilitates system control and is the primary supply power via PoE (Power over Ethernet), always use 48V standard injectors or switches. This port can be interfaced to the Internet as well, in case you audio system is already exposed to it.

1.2. Ethernet Port 2 (ETH 2 - Internet): Dedicated for internet access and connecting to the Universo cloud platform. It plays a crucial role in enabling remote management and monitoring capabilities.

2. USB Type-A Port: Facilitates the Easy Swap feature, allowing for quick and efficient device replacement. This port can also be used for expanding the onboard storage or for other maintenance tasks.

3. **USB Type-C Connector:** Serves as the redundant power source for Verso. Its inclusion ensures compatibility with modern power delivery standards (Output current: 3 Amperes; Power Output: 15 Watts)

4. **Reset Button:** A small, recessed button used to reset the device to factory settings or to Easy Swap it.

5. **Status LED:** This is a redundant Operational Status LED on the back panel, it behaves exactly as the Operational Status LED.

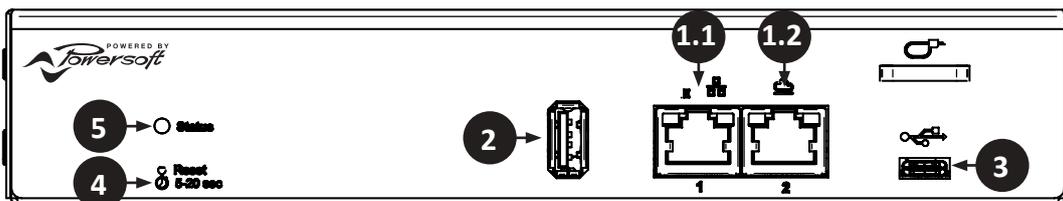


Image 2 - Verso rear panel

# CONFIGURATION

## Cabling and powering the Device

Properly cabling Verso is crucial for its safe and effective operation.

Follow these instructions and precautions to ensure that Verso is cabled and powered up correctly:

### Connecting to your Network:

**WARNING: Do not ever connect the two ports to the same subnet, always check that you are connecting each port to a different subnet.**

If you have two different subnets, one for the audio system and one for internet connection:

- Connect an Ethernet cable from your audio system switch to Verso's Ethernet Port 1 (ETH 1 – LAN) for system control.
- Internet connectivity is required to communicate with MyUniverso platform, connect an Ethernet cable from your Internet network router or switch to Verso's Ethernet Port 2 (ETH 2 - Internet).

If your audio system subnet is already exposed to the Internet:

- Connect an Ethernet cable from your Internet network router or switch, where your audio system is already connected, to Verso's Ethernet Port 1 (ETH 1 – LAN).

### Choose the Power Source:

Verso Gateway can be powered using either the Power over Ethernet (PoE) featured on the Ethernet Port 1 (ETH 1 -LAN) or the USB Type-C connector). Determine the most suitable power source for your setup.

#### Using Power over Ethernet (PoE):

If you are using an injector or a network switch that supports PoE (Standard 48V), you can power Verso through the Ethernet Port 1 (ETH 1 – LAN):

##### Using an Injector

- Connect an Ethernet cable from your network switch to the injector (always use a Standard 48V PoE switch or injector), then connect the PoE port of the Injector to the Ethernet Port 1 (ETH 1 – LAN) of Verso. Make sure the injector is powered properly with its power adapter.

##### Using a PoE Switch

- Connect an Ethernet cable from the PoE-enabled port on your network switch (standard 48V) to the Ethernet Port 1 (ETH 1 – LAN) on Verso.

#### Using USB Type-C Power:

- Connect the USB Type-C cable to Verso Gateway's USB Type-C port.
- Plug the other end of the cable into an appropriate USB power supply or adapter (3A, max consumption 15 Watt).

### **Power Redundancy:**

- For added reliability, you can use both USB Type-C and PoE simultaneously. This redundancy ensures that if one power source fails, the other can maintain the operation of the device. It is possible to be warned if one power source is missing by enabling the corresponding option in ArmoníaPlus or MyUniverso. Follow the steps presented in the section “Setting up Network Configuration in ArmoníaPlus” to reach the device settings page in ArmoníaPlus, inside the Power Supplies widget you can turn on or off the warning, everytime one of the two sources is missing a warning event is triggered. You can edit the same setting in MyUniverso by searching Verso in the Devices page, click on the three dots menu and access its device info.

### **Initial Power Up:**

- Once all connections are secure, turn on the power source. If using PoE, this may simply involve enabling the PoE function on your network switch or injector if it is not already enabled.
- Observe the front panel LEDs on Verso Gateway. The Operational Status LED should be Blue Solid, indicating that the device is receiving power and beginning its booting process.

### **Verify Network Connection:**

- Check the LED statuses on Verso to confirm network connectivity:
  - **ETH 1 - LAN:**
    - Green Blinking: Acquiring address. Green Solid: Address acquired.
    - Off: Disconnected.
  - **ETH 2 - INTERNET:**
    - Green Blinking: Acquiring address.
    - Red or Yellow Solid: Cloud Offline.
    - Green Solid: Cloud Online.
    - Off: Disconnected.

# NETWORK CONFIGURATION IN ARMONÍAPLUS

Proper network configuration of Verso is essential for its optimal performance and security.

Here's how to configure the network settings effectively:

## Access the Device settings in ArmoníaPlus:

### 1. Open or Create a Project in ArmoníaPlus:

- Launch ArmoníaPlus on your computer, verify that you are using the latest version of the software.
- Open an existing project where you wish to add Verso, or create a new one.

### 2. Discover Verso on the Network:

- In ArmoníaPlus, navigate to the 'Design' tab, then select 'Match'.
- Use the 'Discover Devices' feature to find Verso on your network. It should appear in the list of devices available for integration.
- The device can be reached even from a different subnet, thanks to its Easy IP capability.

### 3. Add Verso to Your Workspace:

- Drag and drop Verso from the device list into your project workspace. This action integrates Verso with your ArmoníaPlus project.

### 4. Enable Other Supported Devices for MyUniverso:

- With Verso, other supported devices can be managed via the MyUniverso site. There is no need for additional registration or configuration for these devices.

### 5. Save Project and Enable MyUniverso Integration:

- Save your project to the cloud using the upper left menu.
- Enable the MyUniverso functionality within the same menu to ensure that your project, including Verso and other supported devices, is synchronized and accessible through the MyUniverso platform.

### 6. Access network settings

- In the 'Workspace' view select the 'Cursor Icon' from the bottom left menu and then double click on Verso device. The "Networking" widget shows the status and the IP addresses acquired by the ports.
- Click on 'Settings' to enter the page, where it is possible to edit each port settings

## Configure IP Settings:

- For static IP, input the IP address, subnet mask, gateway, and DNS server details. Ensure these do not conflict with other devices on your network.
- For DHCP, set Verso Gateway to automatically obtain an IP address and confirm your DHCP server is operational.
- ETH 2 - Internet port has additional configurable network settings:
  - Primary DNS Server
  - Secondary DNS Server
  - NTP Server

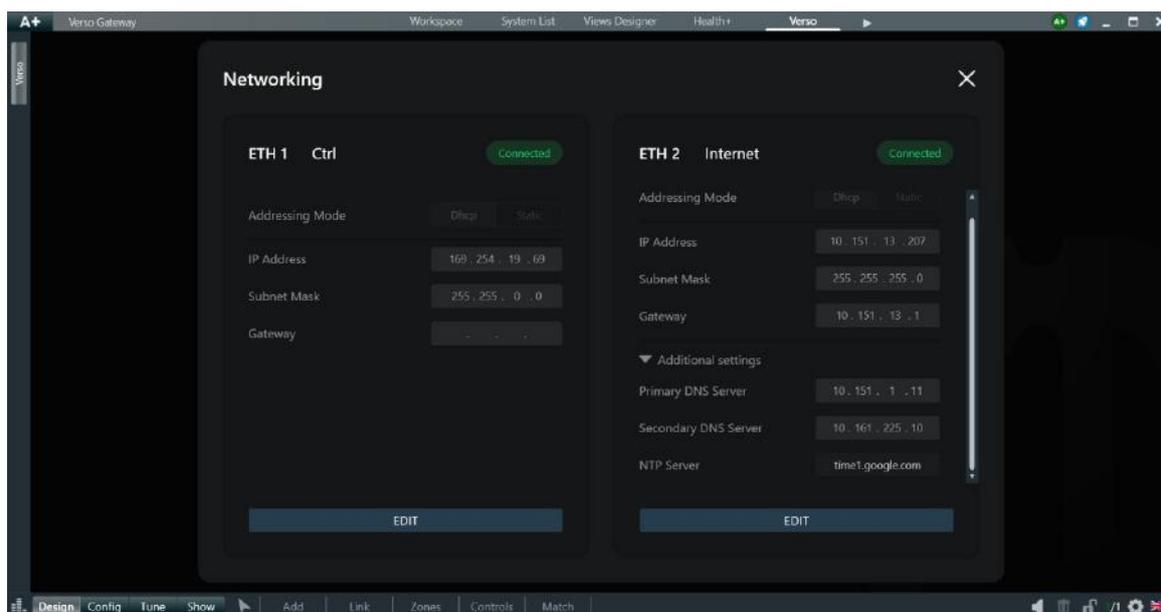


Image 3 - Networking Panel

## Configure SNMP (Optional):

- If SNMP monitoring is needed, set up SNMP settings as per your network monitoring requirements. Refer to section [Monitoring Verso via SNMP](#) for further details

# USING VERSO AS A DMD VIEWS HOST

Dynamic Music Distribution (DMD) is an innovative solution offered by Powersoft, designed to optimize audio distribution in various environments. Integrating seamlessly with Verso, DMD offers a flexible way to manage and distribute audio across multiple zones and sources. It is particularly advantageous in settings where varying audio content needs to be routed to different areas, such as in commercial spaces, hospitality venues, or multi-room environments.

In DMD systems, a Views Host is a software service or platform that hosts and manages user interfaces for system control. Multiple Views Host can coexist in order to provide redundancy for the system control, in case one of the hosts is down. Verso joins the Wall Mount Touch and the PC Views Host as a demanded device for this service.

By default, in a DMD system, Verso is prioritized as the preferred Views Host. However, users can edit these priority settings either by right-clicking on Verso in the 'Workspace' view (Image 4) or by the dedicated page under the 'More' option in the upper left menu of ArmoniaPlus (Image 5).



Image 4 - Verso Views Host priority settings (Workspace)

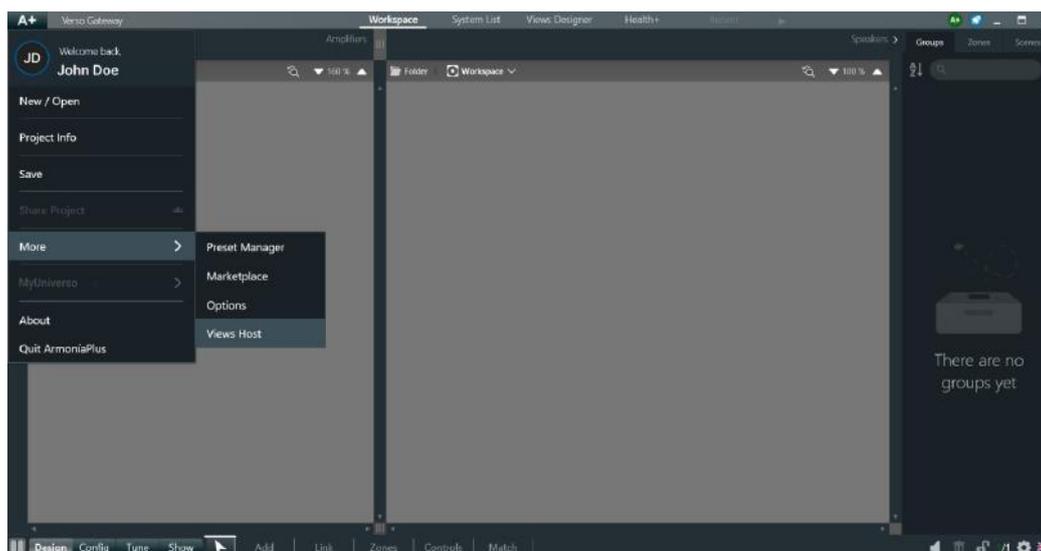


Image 5 - Verso Views Host priority settings (A+ Menu)

Using Verso as a DMD ViewsHost offers a significant benefit in terms of network security, particularly in the context of isolating the subnet used by DMD Apps and Web Views from the subnet that the amplifiers operate on. For more details on how to deploy a DMD system you can watch [this video playlist](#).

# OPERATIONS

## Verso Statuses and LED indicators

Verso array of statuses serves as a resource for managing and maintaining the system. These statuses provide essential information regarding the device's network status, system integrity, operational efficiency, and more. The front panel of Verso features three RGB LED indicators, each designed to convey specific information about the device's operation:

1. Operational Status LED (Status)
2. LAN Status LED (ETH 1)
3. Internet Status LED (ETH 2)

The table below reports all the statuses that the device can assume, their description, and the corresponding LED indication.

| Status Name              | Description   | LED Behaviour   |
|--------------------------|---|---|
| Cloud Offline            | When the cloud connectivity is enabled but not established.   | ETH 2: Yellow Solid or<br>ETH 2: Red Solid (when the device is part of a MyUniverso Site) |
| Cloud Online             | The NIC is connected and has a valid IP Address.  | ETH 2: Green Solid  |
| Hardware Fault (Global)  | Any non output-channel related fault or condition preventing normal operation.                      | Status: Red Blinking  |
| Booting                  | The device is booting   | Status: Blue Solid  |
| ETH 1 Address acquired   | The Network Interface Card (NIC) is connected and has a valid IP Address.                           | ETH 1: Green Solid  |
| ETH 1 Acquiring address  | Connected, negotiating IP with DHCP server or static IP not set yet.                                | ETH 1: Green Blinking   |
| ETH 2 Acquiring address  | Connected, negotiating IP with DHCP server or static IP not set yet.                                | ETH 2: Green Blinking   |
| ETH 1 Disconnected       | No cable connected or device at the other end is not active.  | Status: Green Blinking ETH 1: Off   |
| ETH 2 Disconnected       | No cable connected or device at the other end is not active.  | Status: Green Blinking ETH 2: Off   |
| Blinking                 | The device is being identified from a client interface.   | Status: White Blinking ETH 1: White Blinking<br>ETH 2: White Blinking                     |
| Easy Swap ready          | A user is performing the Factory Reset gesture, Factory Reset is about to be initiated.             | Status: Blue Solid ETH 1: Blue Solid<br>ETH 2: Blue Solid                                 |
| Easy Swap available      | A restorable backup has been detected on the external memory and the device is ready to be restored | Status: Blue Blinking   |
| Factory Reset Ready      | A user is performing the Factory Reset gesture, Factory Reset is about to be initiated              | Status: White Solid ETH 1: White Solid<br>ETH 2: White Solid                              |
| Updating Firmware        | The Firmware update procedure is in progress.   | Status: Green Blinking  |
| Ready                    | The device is operating normally.   | Status: Green Solid   |
| High Temperature         | When the device temperature is close to the operating limit.  | Status: Yellow Solid  |
| Power Redundancy Warning | When one of the power sources is missing and the other is operating.                                | Status: Yellow Blinking   |
| Easy Swap Backup Failed  | The backup on the USB failed, USB key could be corrupted or disconnected.                           | Status: Yellow Blinking   |

# MyUniverso Events

In the MyUniverso platform, a range of events are generated to provide insights into the operational status of the device. These events serve as indicators of various conditions and issues, enabling users to remotely monitor and manage their audio systems.

The table below outlines MyUniverso events regarding Verso, along with their respective priority levels and descriptions:

| Event Name                                | Priority | Description  |
|---|----------|--|
| Device Offline                            | High     | Triggered when Verso is not connected to Universo, indicating a possible network issue or device power-off.  |
| Hardware Fault (Global)                   | High     | Triggered when Verso reports the hardware fault globally. This is a critical alert requiring immediate attention.                                  |
| Easy Swap's backup failed                 | Low      | When the backup operation fails systematically during the Easy Swap process, indicating potential issues with the USB drive or the backup process. |
| High Temperature                          | Low      | Triggered when Verso reports high temperature, suggesting environmental concerns or potential overheating.   |
| Power redundancy fault                    | Low      | When the user is warned about a missing power source in a redundancy setup, indicating a risk to continuous operation.                             |
| Easy Swap's restore failed                | Low      | When the Easy Swap procedure fails after the start of the restoration process.   |
| Firmware update failed                    | Low      | Occurs whenever a firmware update doesn't complete.  |
| ETH X Disconnected                        | Info     | Triggered each time the relative port is disconnected or reconnected.  |
| Device Online                             | Info     | Triggered when Verso connects to Universo.   |
| Easy Swap successful                      | Info     | When an amplifier used to replace another amplifier successfully completes the Easy Swap process.  |
| Firmware Updated                          | Info     | An event is triggered and shown in the Events page of Universo each time a firmware update is successfully executed.                               |
| Temperature back to normal                | Info     | Triggered when Verso exits the overtemperature condition.  |
| Device has been reset to factory settings | Info     | Triggered each time the factory reset operation is executed.   |
| Hardware Fault (Global) resolved          | Info     | When Verso is no longer in hardware fault status and resumes normal operation.   |
| Power redundancy fault resolved           | Info     | Triggered when the second power source is detected as active.  |

# Monitoring Verso via SNMP

Verso features a network security page that can be reached by typing the address "<https://device IP/security>" in a browser (a.g. <https://192.168.100.3/security> ). The page allows user to turn on and off ArmoníaPlus and SNMP protocols, as well as selecting the version of the SNMP.

By turning on the SNMP protocol Verso will be able to connect to an SNMP manager in order to consult its status telemetries.

The MIB objects that can be read via SNMP are:

- System Uptime
- Sysname (ArmoníaPlus name formatted as hostname)
- ETH 1 Connection Status (Not connected; Connected)
- ETH 2 Connection Status (Not connected; Connected)
- Firmware Version
- Hardware Fault (Not in Fault; Fault)
- Cloud Connection Status (Not connected; Connected)
- Power Status (Not powered; USB-C powered; PoE powered; USB-C & PoE powered)
- Temperature Status (Normal Temperature; High Temperature)

# MAINTENANCE

## Easy Swap Feature for Device Replacement

The Easy Swap feature on Verso is an innovative tool designed to significantly streamline the process of hardware replacement. This feature is essential for maintaining continuous system operation by enabling quick and effortless swapping of devices. It ensures that your system's settings and configurations are seamlessly preserved and transferred to the new unit.

### Guide for Easy Swap

#### 1. Preparation: Replace hardware units and swap USB keys

- Remove all wires from the Verso unit
- Wire the new Verso unit to the system and plug the former unit's USB key in it

#### 2. Identifying Easy Swap Readiness

- When a USB key with a valid backup is connected, the new Verso unit assumes the "Easy Swap Available" status (operational status LED blinks blue)
- If a valid backup can't be found or the USB key is faulty, the device status led blinks yellow and the "Easy Swap's backup failed" event is triggered in ArmoníaPlus and Universo.

#### 3. Initiating Easy Swap

- Press and hold the reset button for at least 1 second, after that all LEDs turn off:
- Release the button before 5 (or after 20) seconds to abort the process, all LEDs return then to their original state.
- After 5 (and before 20) seconds all LEDs turn solid blue, release the button during this time frame to engage the Easy Swap process, the release makes all LEDs blink blue for three times as a confirmation of the operation. The device will start the rebooting process after the third blink, the status led will then turn blue solid.
- Successful Easy Swap generates the "Easy Swap successful" event in MyUniverso and ArmoníaPlus, the USB storage device is then initialized for backing up the new amplifier.
- Unsuccessfull Easy Swap generates the "Easy Swap's restore failed" event in MyUniverso and ArmoníaPlus.

#### 4. Re-triggering Easy Swap Ready Status

- Manually remove and reconnect the USB storage to re-trigger the Easy Swap Available status. Start again from point 3 of this procedure.

#### 5. USB Device Handling

- The USB device can be safely removed at any moment without damaging Verso, the backup file, or the USB device itself.

# Updating Verso's firmware through ArmoníaPlus and MyUniverso

Firmware updates are critical for maintaining the performance and security of Verso. This chapter provides a detailed guide on updating the firmware using two platforms: ArmoníaPlus and MyUniverso. While ArmoníaPlus offers a direct

interface for conducting updates, MyUniverso enables remote management of the update process. The subsequent sections will walk you through the steps to update Verso's firmware on each platform, ensuring it stays updated with the latest software features.

## In ArmoníaPlus:

### Step 1: Ensure Connectivity and Software Version

- **Check Device Connection:** ensure that every front panel LED is green solid, meaning readiness of the device and correct network connections.
- **Update ArmoníaPlus:** Make sure you are using the latest version of ArmoníaPlus software on your computer. If necessary, update ArmoníaPlus by downloading the latest version from Powersoft's website.

### Step 2: Access Verso in ArmoníaPlus

- **Open ArmoníaPlus:** Launch the ArmoníaPlus application on your computer and open the project including Verso.
- **Locate Verso(s) with an outdated firmware:** under 'System List' all devices included in the project are listed. Here it is possible to see which device has an outdated firmware. You can proceed with the update by either selecting the outdated device individually or making a multiple selection of all the outdated devices in the project. Alternatively, it is possible to reach the system DEVICES under the "Match" tab of the Workspace view, where devices are listed on the right pane and the outdated ones are colored in red, an update notification is reported on the bottom of this section.

### Step 3: Confirm the operation and check the device

- **Confirm the updating process:** once the device selection has been made confirm the updating process by clicking on the "update" button.
- **Check the device rebooting:** the updating process will reboot the device, during this process Verso will enter in the "Updating Firmware" status, the operational status LED will blink in green.

### Step 4: Confirmation events

- **Successful updates** will trigger a "Firmware Updated" event in both ArmoníaPlus and MyUniverso, including the description: "Device Name" has successfully updated to version x.x.x.x
- **Unsuccessful updates** will be notified in both ArmoníaPlus and MyUniverso by the "Firmware Update Failed" event, including the description "Device Name" Firmware update failed. In this case it is possible to try again the procedure from the start.

## In MyUniverso:

### Step 1: Check for connectivity and Site status

- **Check Device Connection:** ensure that every front panel LED is green solid, meaning readiness of the device and correct network connections.
- **Check the Site status:** Ensure that the ArmoníaPlus project including Verso has been correctly enabled on MyUniverso as a Site, visit the corresponding section under the top left menu.

## Step 2: Log in to MyUniverso

- **Access MyUniverso** by visiting the dedicated section inside the MyPowersoft area of powersoft.com website. Use your MyPowersoft credentials or create a new account.

## Step 3: check for outdated Verso Gateways

- **Access outdated devices:** check the suggestions area on the right side of the Dashboard page or visit the “Devices” page using the left sidebar. Outdated devices can be listed together using the corresponding filter.
- **Select the target device(s)** and proceed by clicking the Update button on the bottom bar.

## Step 4: Confirm the operation and check the device

- **Confirm the operation** by clicking the corresponding “Update” button.
- **Check the device rebooting:** the updating process will reboot the device, during this process Verso will enter in “Updating Firmware” status, the operational status LED will blink in green.

## Step 5: Confirmation events

- **Successful updates** will trigger a “Firmware Updated” event in both ArmoníaPlus and MyUniverso, including the description: “Device Name” has successfully updated to version x.x.x.x
- **Unsuccessful updates** will be notified in both ArmoníaPlus and MyUniverso by the “Firmware Update Failed” event, including the description “Device Name” Firmware update failed. In this case it is possible to try again the procedure from the start.

## Resetting the device

The reset process is an effective method for troubleshooting common problems, reverting to factory settings, and ensuring the device functions as intended. The following sections will detail the necessary steps for performing a successful factory reset of Verso.

### Step 1: Locate the Reset Button

- The reset button is located at the back of Verso.

### Step 2: Initiate the Reset

- Use a pointed object (like a paperclip) to press the reset button.
- Press and hold the button for at least 1 second, all LEDs will turn off:
  - Release the button before 5 (or after 20) seconds to abort the process, all LEDs return then to their original state.
  - After 5 (and before 20) seconds all LEDs turn solid white, release the button during this time frame to engage the Reset process, the release makes all LEDs blink white for three times as a confirmation of the operation. The device will start the rebooting process after the third blink, the status led will turn blue solid.
  - The factory reset generates a “Device has been reset to factory settings” event in Universo and ArmoníaPlus, followed by the description “Device Name” was reset to factory settings.

# SUPPORT

## Frequently Asked Questions (FAQ)

### 1. What is Powersoft Verso, and how does it enhance audio systems?

- Powersoft Verso is an advanced device designed to integrate non-cloud- native amplifiers with Powersoft's MyUniverso cloud platform, enhancing control, monitoring, and efficiency of audio systems.

### 2. Can I use Verso with any amplifier series?

- Verso is compatible with several Powersoft amplifier series, including Ottocanali, Quattrocanali, Duecanali, Mezzo, T, and X.

### 3. What are the key features of Verso?

- Key features include cloud integration, enhanced security, dual Ethernet ports, PoE support, onboard storage, and its role as a DMD system server.

### 4. How does Verso improve network security in audio systems?

- By serving as a central point of cloud exposure, Verso significantly improves network security, reducing unauthorized access risks.

### 5. Is Verso easy to integrate into existing audio racks?

- Yes, its compact design, occupying half the space of a standard 1U rackunit, ensures easy integration into existing audio setups.

### 6. How does Verso contribute to the Dynamic Music Distribution (DMD) system?

- Verso acts as a server for DMD systems, allowing for the management and distribution of audio across various zones and sources.

Please refer to [powersoft.com](https://powersoft.com) for online documentation and technical support.





DRIVING HUMAN AUDIO EXPERIENCE

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