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PRECAUTIONS

1.1 IMPORTANT REMARK





WARNING: SHOCK HAZARD - DO NOT OPEN AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING (If applicable): The terminals marked with symbol of "⁴/2" may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made leads or cords.

WARNING: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

WARNING: A device with Class I construction shall be connected to a mains socket-outlet with a protective earthing connection.



WARNING: Ecler products have a long lifetime of more than 10 years. This product must not be discarded, under any circumstance, as unsorted urban waste. Take to the nearest electrical and electronic waste treatment centre.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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1.2 IMPORTANT SAFETY INSTRUCTIONS

- **1.** Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this device near water.
- 6. Clean only with dry cloth.
- 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 device (including amplifiers) 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 the plugs, convenience receptacles, and at the point where they exit from the device.
- **11.** Only use attachments/accessories specified by the manufacturer.
- **12.** Unplug the device during lightening sorts or when unused for long periods of time.

- **13.** Refer all servicing to qualified personnel. Servicing is required when the device 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 device, the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 14. Disconnecting from mains: When switching off the POWER switch, all the functions and light indicators of the unit will be stopped, but fully disconnecting the device from mains is done by unplugging the power cable from the mains input socket. For this reason, it always shall remain easily accessible.
- **15.** Equipment is connected to a socketoutlet with earthing connection by means of a power cord.
- **16.** The marking information is located at the bottom of the unit.
- **17.** The device shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on device.
- 18. The product is not "household". Children shall not be present in the location where the device is used or mounted.

1.3 CLEANING

Clean the unit with a soft, dry clean cloth or slightly wet with water and neutral liquid soap only, then dry it with a clean cloth. Be careful that water never gets into the unit through any hole. Never use alcohol, benzine, solvents or abrasive substances to clean this unit.

NEEC AUDIO BARCELONA, S.L. accepts no liability for any damage that may be caused to people, animal, or objects due to failure to comply with the warnings above.

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We thank you for the trust you have placed in us by choosing an Ecler VIDA Series device!

It is **VERY IMPORTANT** to carefully read this manual and to fully understand its contents before any connection in order to maximize your use and get the best performance from this equipment.

To ensure optimal operation of this device, we strongly recommend that its maintenance be carried out by our authorised Technical Services.

All ECLER products are covered by warranty, please refer to <u>www.ecler.com</u> or the warranty card included with this product for the period of validity and conditions.



Ecler is truly committed with the environment and planet sustainability, energy saving and CO_2 emission reduction. Recycling materials and using non-contaminant components are also top

priorities in our green crusade.

Ecler has deeply evaluated and analyzed the environmental impacts of all the processes involved in the production of this product, including packaging, and has alleviated, reduced and/or compensated for them.

2. PACKAGE CONTENTS

- 1 unit of one of the VIDA Series models.
- Universal Mains cords.
- Euroblock Connectors (inputs /outputs).
- Desktop feet, rack 19" installation hardware.
- First Steps Guide.
- Warranty Card.



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3. DESCRIPTION and FEATURES

VIDA Series is a family of digital amplifiers, with different power levels: **VIDA-24Q** with 2400W of power and **VIDA-16Q** with 1600W. Both with 4 amplified outputs that can be independently configured in high (100/70V) or low (8/4/2ohm) impedance. The VersaPower technology, developed by Ecler, allows an asymmetrical power distribution, and thanks to the Smart VersaPower tool it helps installers by facilitating a smart and fast configuration. In addition, the Class D amplification technology as well as the configurable 4-outputs auto standby and sleep mode functions, both configurable, further improve energy efficiency.

The VIDA Series offers a wide range of possibilities thanks to its 4 analogue and 4 Dante[™] / AES67 digital inputs, audio player - with microSD slot for local audio files – as well as signal generator, plus 2 auxiliary line outputs and 4 Dante[™] / AES67 digital outputs.

All these features are managed from its intuitive web application which, among other functionalities, allows signal routing - matrix -, audio signal processing - such as equalisation or limiters -, priority management, GPIO configuration through events, as well as calendar events, playlist management and SD card content, thus facilitating the start-up of the audio-visual installation, its maintenance and customisation.

Thanks to the <u>Android/iOS/Web application available</u> to the end user, the audio installation can be managed by them in an easy, intuitive, and customised way.

3.1 MAIN FEATURES

- 4 VersaPower amplified outputs with asymmetrical power management.
- 4 Dante[™]/ AES67 outputs and 4 Dante[™]/ AES67 inputs.
- 2 auxiliary outputs.
- 4 analogue inputs.

- MicroSD/SDHC card slot audio player.
- Internal matrix and signal processing.
- Web application for device configuration.
- Smart power management Smart VersaPower.

- Control and scheduled events for automation.
- Customize user panels.
- Remote control user application for iOS/Android/Web.
- Energy saving (Ultralow power consumption mode).

VersaPower is the amplification technology, developed by Ecler, that allows asymmetrical power distribution among amplified outputs, independent of load.

Smart Versapower is the tool that allows automatic gain and sensitivity adjustment, to distribute in an easy and quick way, the total power among the amplified outputs.



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4. INSTALL & CONNECT

The equipment **must be correctly grounded** (ground resistance, Rg = 30 Ohm or less). The environment must be dry and dustless. Do not expose the unit to rain or water splashes, and do not place liquid containers or incandescent objects like candles on top of the unit.

Do not obstruct the ventilation grilles with any kind of material. If the device requires any intervention and/or connection/disconnection, it must be first powered off.

Do not handle the speaker output terminals with your device turned on, there are high voltages. The output cabling should be connected by a qualified technician. Otherwise only use pre-made flexible cables. There are no user serviceable parts inside the amplifier.

Non-compliance with the instructions or neglecting warnings may cause malfunction or even damage the unit.

- Avoid turning on the device without the speakers connected to its outputs and without having previously set the volume/gain controls to minimum level.
- Always use shielded cables to make connections between devices.
- In an amplifier, avoid placing the speaker output cables close to other signal cables (micro, line...). This may cause the system to oscillate, damaging the amplifier and speakers.

4.1 LOCATION, ASSEMBLY AND VENTILATION

Vida series devices have a 19" rack format (2RU).

It is very important not to enclose the amplifier or expose it to extreme temperatures as it generates heat. It is also necessary to promote the passage of fresh air through the ventilation holes of the chassis. The ventilation system forces the air flow, front to back, through the unit.

If multiple products are installed in the same rack or in a cabinet with closed doors, it is highly recommended to install fans in their upper and lower ends for a forced airflow from the bottom up. This upward air flow will help to dissipate the heat generated inside.

It is advisable **not to place power amplifiers under other appliances**, but upon these ones, leaving at least one rack unit off between each device and installed above and below it in the rack frame.

4.2 MAINS CONNECTION

VIDA operates on alternating voltages from 90 to 264V and 47 to 63Hz. This device is equipped with an oversized power supply capable of adapting without any type of adjustment to the mains voltage of any country in the world.



On the rear panel, next to the IEC power connector, there is an **On/Off switch** for the unit.



On the **front panel** there is button **ON/SLEEP** with its LED indicator, that illuminates when the unit is in operation, and soft-blinks when it is in sleep mode.



Do not allow the mains cable to run parallel to the shielded cables carrying the audio signal, as this may cause humming.



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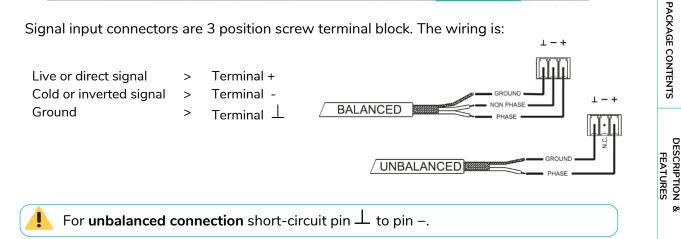
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4.3 ANALOGUE INPUT CONNECTIONS

VIDA rear panel provides analogue, balanced, line level signal inputs. The selection of hardware inputs and their routing and mixing towards either amplifier channel is performed from its embedded web application. Please refer to the web application manual for more information on www.ecler.com



Signal input connectors are 3 position screw terminal block. The wiring is:



4.4 PLAYER AND MICRO SD CARD

VIDA integrates a stereo audio player able to play audio files from local storage device (microSD card), for background music or voice messages. Includes playlist management and integration with device's calendar events for automation. Also available for customizable user panels. Fully configurable, through VIDA web application. Refer to the web application manual for more information.

MicroSD Card slot is located in the rear panel. Insert the microSD card into the slot, until a click sound is heard. To extract it, push the microSD card inside the slot, until a click sound is heard, then, it will be released.





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4.5 DIGITAL AUDIO INPUTS AND OUTPUTS

VIDA allows the reception of 4 channels of digital audio DANTE[™]/ AES67 and the sending of 4 channels of digital audio DANTE[™]/ AES67 through an Ethernet network compatible with the transport of digital audio over IP through the DANTE[™] protocol.

The routing of the digital audio signals DANTE[™]/ AES67 through the Ethernet network, as well as the network configuration of the ports DANTE[™]/ AES67 (IP addresses, mask, etc.) of the VIDA, is managed by the software application Dante Controller.

For more information, please refer to the developer's documentation: www.audinate.com/products/software/dante-controller.

AES67 is enabled by default. Dante[™] devices cannot subscribe to AES67 streams from other Dante[™] devices.

4.6 AMPLIFIED OUTPUT CONNECTIONS

The rear panel is fitted with two position screw terminal block for each amplified output.



Always **respect the relative polarity for outputs** (+ and – on each output connector), wiring and speakers.

4.6.1 OUT MODE

Allows configuring each amplified output, individually, to operate with high or low impedances.



Select the appropriate operation mode to do not damage the loudspeakers. **Never** connect loads below 2 ohms when working in low impedance mode.

Ake sure to match the impedance of the total load connected to the loudspeakers, when working in low impedance for a correct performance. If impedance values do not match, select the closer one above.

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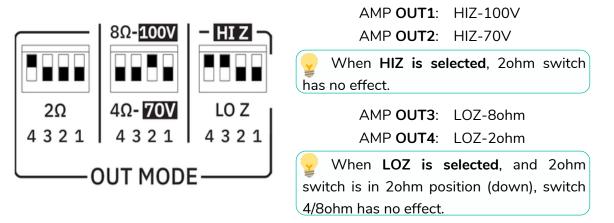
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4.6.2 **OPERATION EXAMPLE**



The connection cable that joins the amplifiers outputs and the loudspeakers must be of good quality, sufficient section and as short as possible. This is most important when the distances to cover are long ones i.e., up to 10 meters it is recommended to use a section not inferior to 2.5mm² and for superior distances 4mm².

4.7 AUXILIARY OUTPUT CONNECTIONS

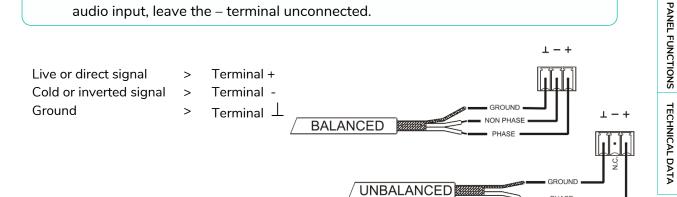
VIDA rear panel provides two analogues, balanced, line level auxiliary outputs. Their independent routing, mixing, and processing is performed from VIDA embedded web application.



Please refer to the web application manual for more information.

For **unbalanced connection** short-circuit pin \perp to pin –.

- If an auxiliary output is connected to an amplifier or audio device with a balanced input, all terminals must be connected point by point and between the two devices.
- When connecting an output channel to an amplifier or device with an unbalanced audio input, leave the - terminal unconnected.



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4.8 GPI PORTS

VIDA rear panel provides four 0-10VDC remote control ports, labelled "GPI 1-4", to which you can connect analogue devices such as the WPa series wall panels. With the VIDA web application, a function can be assigned to each of these ports: a GPI port can control remotely volume of sources, outputs (amplified, auxiliary or digital), and local and network groups, including general volume. Also, loading presets or playlists.

Please refer to the web application manual for more information.

4.8.1 CONNECTING THE GPI REMOTE CONTROL PORTS

The GPI connectors are Euroblock type. The assignment of the connection is as follows:

Positive, + 10 VDC	>	Pin +
Variable voltage, 0-10 VDC	>	Pin 1-4
Ground	>	Pin ⊥

- Up to 16 remote control ports can be connected in parallel to the same hardware control potentiometer. Ground connections of all devices those ports belong to must be joined.
 - The connection cables can be up to 500m long if a section of 0.5mm² is used.
 - Consult the available accessories at <u>www.ecler.com.</u>



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4.9 GPO PORTS

VIDA has on its rear panel 4, relay outputs NO / NC (normally open / normally closed). Each of these outputs can have its status change associated with a user preset by means of a specific function programmed through VIDA web application, such as a calendar event or the touch of a key available on a user panel. In this way, it is possible to interact with external equipment, such as motors for projection screens or movable partition walls, lights, sirens, GPI inputs from other equipment, etc.



4.10 EXTERNAL MUTE

VIDA has on its rear panel a control input, or EXT. MUTE port (Normally Open = MUTE OFF / Closed = MUTE ON), which allows the activation /deactivation of the mute of audio outputs (zones) of the unit by means of a push button, relay or external potential free contact closure.

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- The assignment of outputs affected by the MUTE port is configured from VIDA web application.
 - Please refer to the VIDA web application manual for more information.



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4.11 ETHERNET PORTS

The **RJ-45-type ETHERNET connectors on the rear panel**, named NET1 and NET2, allows the equipment to be connected to an Ethernet network, or directly to a computer or other device with an Ethernet interface, point-to-point.



This connection enables, within a local network, the following:

- **Global programming and management** of the VIDA unit using the VIDA embedded web application and a standard web browser running on a computer, tablet, etc.
- **Connection of client devices for end-user management** of areas of the installation through the VIDA application, compatible with Android and iOS, or through standard web browsers running on computers, tablets, etc.
- **Connection to Internet for clock synchronization** (calendar events), automatic, firmware updates and other tools.
- Reception of 4 channels of digital audio Dante[™]/ AES67 and sending of 4 channels of digital audio Dante[™]/ AES67.
- Connection of third-party devices for integration in control systems (Crestron®, Extron®, AMX®, Vity®, Medialon®, etc., registered trademarks by their manufacturers), using the NET protocol embedded in VIDA devices. <u>Refer to the TP-NET protocol manual for more information.</u>

Dante[™]/ AES67 digital audio license is included.

VIDA features two ports with RJ-45 interface in its rear panel:

- Net1 (Control): WebGUI, control panels, third party control and other control packages are sent/received over Net1.
- Net2 (Control + Dante[™]/ AES67): control and Dante[™]/ AES67 Audio perform over the same network.

Use Net1 and Net2 in different networks. Configuring both, Net1 and Net2, over the same local network might cause malfunctioning in network features of the device.

5. START-UP and OPERATION

5.1 START UP

When the **rear panel Power switch is pressed**, the amplifier is powered and **can be switched on, briefly holding the front ON/SLEEP button** or remotely from the VIDA web application or with the NET protocol.





In a complete audio installation, it is important to start up the equipment in the following sequence:

- 1. sound sources
- 1. mixer
- 2. equalizers
- 3. active filters
- 4. processors
- 5. power amplifiers.

To turn them off the sequence should follow an inverse pattern.

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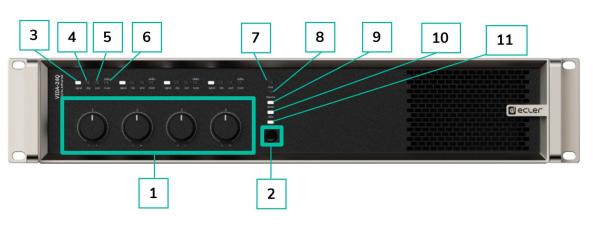
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6. PANEL FUNCTIONS

6.1 FRONT PANEL



- 1. Control knobs, KNOB1-4
- 2. On/Sleep Button
- 3. Signal indicator LED
- 4. Clip indicator LED

6.2 REAR PANEL

- 5. Protection indicator LED
- 6. Standby/mute indicator LED

- **7.** Limit indicator LED
- 8. Thermal indicator LED
- 9. Dante[™]/ AES67 indicator LED
- 10. Data indicator LED
- 11. On/Sleep indicator LED

7 8 9 10 11 1 2 3 4 5 6

- 1. Power switch
- 2. Mains socket base
- **3.** Amplified outputs, OUT1-4, 2-pin Euroblock. Pitch: 7,62 mm
- **4.** Analogue inputs, IN1-4, 3-pin Euroblock, balanced, pitch 3,5 mm
- 5. MicroSD slot
- 6. RJ-45 ethernet network ports, NET1-2

- 7. GPO ports, GPO1-4
- 8. GPIs ports, GPI1-4
- 9. External mute port
- Outputs configuration dip switches, OUT MODE
- Auxiliary outputs, AUX1-2, 3-pin Euroblock, balanced, pitch 3,5 m



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7.1 TECHNICAL SPECIFICATIONS

7.1.1 VIDA-24Q

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INPUTS		ECAUTIONS
Number of Inputs	4 analogue input channels	JTION
	4 DANTE™/ AES67 Network Rx channels	ۍ
	1 embedded player, 1 embedded signal generator	
Analogue input connection type	IN1-4: 3-pin Euroblock, balanced, pitch 3,5 mm.	Ţ
Digital input connection type	Ethernet, managed via Dante™/ AES67 Controller	ACK/
Input configuration	Digital matrix 4 in x 6 out (Settings by embedded web	AGE
	application)	CONT
AMPLIFIED OUTPUTS		PACKAGE CONTENTS
Number of amplified outputs	4	S
Amplified output connection type	2-pin Euroblock. Pitch: 7,62 mm	
	Ref: DEGSON 5EDGRC-7.62	DES
Output configuration	Lo-Z/Hi-Z, 70V/100V, 4Ω/8Ω/2Ω	FEATURES
	Output mode selection per channel	JRES
	Rear panel DIP SWITCH selectors	\$
VERSAPOWER	<u>.</u>	
SYMMETRICAL - All channels d	lriven @1kHz @CF9dB @ 1%THD	Ī
Max output power @ 8 Ω	600W	STAI
Max output power @ 4 Ω	600W	L &
Max output power @ 2 Ω	600W	INSTALL & CONNECT
Max output power @ 100V	600W	VECT
Max output power @ 70V	600W	
ASYMMETRICAL - Single chan	nel driven @1kHz @CF9dB @ 1%THD	ST
Max output power @ 8 Ω	1400W	START-UP & OPERATION
Max output power @ 4 Ω	2400W	-UP ~
Max output power @ 2 Ω	1600W	\$ OPI
Max output power @ 100V	2400W	ERAT
Max output power @ 70V	2000W	NOL
AUXILIAR OUTPUTS		
Number of auxiliar outputs	2	PANE
Auxiliar output connection type	AUX1-2: 3-pin Euroblock, balanced (Euroblock pitch 3,5	Ë
	mm. Settings by embedded web application)	PANEL FUNCTIONS
DIGITAL OUTPUTS		SNOI
Number of digital outputs	4	
Digital output connection type	Ethernet, managed via Dante™/ AES67 Controller	TECHNIC

SIGNAL			
Voltage gain	28 to 40 dBV		
	30,2 to 42,2 dBu	_	
Input sensitivity	-6 to +6 dBV	ну	N G
	-3,78 to 8,2 dBu		
	0,5 to 2 Vrms		WebG
	(adjusted by means of Smart Versa Power utility)	PR	3 ⊆
Input impedance	>24k (balanced)	PRECAUTIONS	
Max input level	+18 dBV	JTIO	Connection
	+20,2 dBu	S	
	(@ Gain 34 dBV)		_
Frequency response	15Hz-25kHz (-3dB, 1W any load)		Login
THD + Noise	< 0,1 %	PAC	2.
	0,015 Typ	KAG	z
	(@ 1kHz, from 0,1W to Full Power)	ECO	avig
SNR	95 dBA (40dB Gain, from 20Hz - 20kHz)	PACKAGE CONTENTS	Navigation
Crosstalk	>80dB (@ 1kHz)	VTS	
CMRR	> 65 Typ (from 20Hz-20kHz)		- Ø
Damping factor	>500 (@ 8 Ω , from 20Hz to 1kHz)	,	
LECTRICAL	>300 (@ 322, 110111 20112 to 1K112)		ESCF
Power supply	Universal, regulated SMPS with PFC	FEATURES	Inputs/Outputs DESCRIPTION &
AC mains requirement	100-240 V @ 50-60Hz ((±10%)		SNO SO
Power factor correction	> 0,96 (Output Power > 500W)	,	* utpu
AC mains connector	IEC C14 inlet (10Amax)		lts
OWER & HEAT @230VAC			Setup
1/4 POWER, @ 4Ω	(all channels driven)	INSTALL & CONNECT	
Power	848 W 888 VA	& CC	Pro
Current Draw	3,88 Arms		Processi
	214,1kcal/h 849,8BTU/h	ä	sing
1/8 POWER, @ 4Ω			
	498 W 536 VA	STA	Events
Current Draw	2,33 Arms	ART-	nts
	170,3kcal/h 675,8BTU/h	P &	j
IDLE (all channels d		START-UP & OPERATION	
	72 W 122 VA	RATI	Users
Current Draw	0,52 Arms	Ōz	-
Thermal Loss			Rec
SLEEP MODE (all ch	· · · · ·	ANE	Register
		Ē	
	4,1 W 23,8 VA	NCT	Ę
Current Draw	0,1 Arms	PANEL FUNCTIONS	
Thermal Loss	3,5kcal/h 14BTU/h		-
		TECHNICAL DATA	Protocol
			8
			2
		ATA	!
		L	

POWER & HEAT @120VAC 1/4 POWER, @ 4Ω (all channels driven) Power 855 W 865 VA Current Draw 7,37 Arms Thermal Loss 219,3kcal/h 870,3BTU/h 1/8 POWER, @ 4Ω (all channels driven) Power Power 483 W 493 VA Current Draw 4,16 Arms Thermal Loss 157,4kcal/h 624,6BTU/h IDLE (all channels driven) Power Power 68 W 89 VA Current Draw 0,75 Arms Thermal Loss 58,5kcal/h 232,1BTU/h SLEEP MODE (all channels driven) Power Qoy Arms 3,0 W 10,2 VA Current Draw 0,09 Arms Thermal Loss 3,1kcal/h 12,3BTU/h	T PRECAUTIONS PACKAGE CONTENTS
Power 855 W 865 VA Current Draw 7,37 Arms Thermal Loss 219,3kcal/h 870,3BTU/h 1/8 POWER, @ 42 I channels driven) Power 483 W 493 VA Current Draw 4,16 Arms Current Draw 1,57,4kcal/h 624,6BTU/h IDLE (all channels 57,4kcal/h 624,6BTU/h IDLE (all channels 58,5kcal/h 624,6BTU/h Gurrent Draw 68 W 89 VA Current Draw 0,75 Arms SLEEP MODE (all 58,5kcal/h 232,1BTU/h SLEEP MODE (all 36 W 10,2 VA Current Draw 0,09 Arms Thermal Loss 3,1kcal/h 12,3BTU/h	PRECAUTIONS PACKAGE CONTENTS
Current Draw 7,37 Ams 19,3kcal/h 870,3BTU/h 219,3kcal/h 870,3BTU/h 1/8 POWER, @ 42 I channels driven) 1/8 POWER, @ 42 I channels driven) Power 483 W 493 VA Current Draw 416 Arms Current Draw 157,4kcal/h 624,6BTU/h IDLE (all channels) 57,4kcal/h 624,6BTU/h VIL Power 68 W 89 VA 68 V 89 VA Current Draw 68 V 89 VA Current Draw 68 V 89 VA SLEEP MODE (all	PRECAUTIONS PACKAGE CONTENTS
Thermal Loss219,3kcal/h 870,3BTU/h1/8 POWER,@42Ichannels driven)Power483 W 493 VACurrent Draw4,16 ArmsCurrent Draw57,4kcal/h 624,6BTU/hIDLE (all channelsIchannelsV88 W 89 VACurrent Draw0,75 ArmsCurrent Draw8,5kcal/h 232,1BTU/hSLEEP MODE (allsis,5kcal/h 232,1BTU/hSLEEP MODE (all0,90 ArmsGurrent Draw0,90 ArmsAmplification technolog3,1kcal/h 12,3BTU/h	PRECAUTIONS PACKAGE CONTENTS
1/8 POWER, @ 4Ω kannels driven) Power 483 W 493 VA Current Draw 4,16 Arms Thermal Loss 157,4kcal/h 624,6BTU/h IDLE (all channels driven) 88 W 89 VA Current Draw 68 W 89 VA Current Draw 0,75 Arms Current Draw 8,5kcal/h 232,1BTU/h SLEEP MODE (all driven) 36,5kcal/h 232,1BTU/h SLEEP MODE (all driven) 3,6 W 10,2 VA Current Draw 0,09 Arms Thermal Loss 3,1kcal/h 12,3BTU/h	PACKAGE CONTENTS
Power483 W 493 VACurrent Draw4,16 ArmsThermal Loss157,4kcal/h 624,6BTU/hIDLE (all channels	PACKAGE CONTENTS
Current Draw4,16 ArmsThermal Loss157,4kcal/h 624,6BTU/hIDLE (all channels drame157,4kcal/h 624,6BTU/hIDLE (all channels drame88 W 89 VACurrent Draw0,75 ArmsCurrent Draw0,75 ArmsThermal Loss58,5kcal/h 232,1BTU/hSLEEP MODE (all channels driven)SLEEP MODE (all channels driven)Ourrent Draw0,60 ArmsCurrent Draw0,09 ArmsThermal Loss3,1kcal/h 12,3BTU/hTECHNOLOGIESMnplification technologyClass D	PACKAGE CONTENTS
Thermal LossJ57,4kcal/h 624,6BTU/hIDLE (all channels ====================================	PACKAGE CONTENTS
IDLE (all channels driven)Power68 W 89 VACurrent Draw0,75 ArmsThermal Loss58,5kcal/h 232,1BTU/hSLEEP MODE (all channels driven)58,5kcal/h 232,1BTU/hPower3,6 W 10,2 VACurrent Draw0,09 ArmsThermal Loss3,1kcal/h 12,3BTU/hTECHNOLOGIESAmplification technologyClass D	PACKAGE CONTENTS
Power68 W 89 VACurrent Draw0,75 ArmsThermal Loss58,5kcal/h 232,1BTU/hSLEEP MODE (all c	PACKAGE CONTENTS
Current Draw 0,75 Arms Thermal Loss 58,5kcal/h 232,1BTU/h SLEEP MODE (all	
NoThermal Loss58,5kcal/h 232,1BTU/hSLEEP MODE (all c+	
SLEEP MODE (all characteristic driven) Power 3,6 W 10,2 VA Current Draw 0,09 Arms Thermal Loss 3,1kcal/h 12,3BTU/h TECHNOLOGIES Class D	
Power3,6 W 10,2 VACurrent Draw0,09 ArmsThermal Loss3,1kcal/h 12,3BTU/hTECHNOLOGIESAmplification technologyClass D	
Current Draw0,09 ArmsThermal Loss3,1kcal/h 12,3BTU/hTECHNOLOGIESClass D	
Thermal Loss 3,1kcal/h 12,3BTU/h TECHNOLOGIES Class D	
TECHNOLOGIES Amplification technology Class D	
Amplification technology Class D	_
	-
Energy saving Auto standby function programmable per channel	
	DESCRIPTION
Sleep Mode function selectable	URE
Efficiency 72% (1/4 POWER, @ 4Ω)	0) Z @
Cooling Fan (forced air, front to back airflow. Temperature controlled	
continuously variable speed)	_
Maximum fan noise 53dB (maximum acoustical noise @1m)	NST∕
PROTECTIONS	INSTALL & CONNECT
DC protection Yes (protects loudspeaker and installation against DC and	Č S
infrasonic signals at the outputs)	INEC
HF protection Yes (protects the loudspeakers against non-audible, strong,	4
non-musical high frequency signals)	Ś
Short-circuit protection Yes (protects the amplifier from overcurrent, short circuit or	START-UP & OPERATION
other stressful events for the output stages with output	T-UP
reduction or MUTE (automatic protection reset)	& 0
Clip limiter Yes (prevents severely clipped waveforms from reaching	PERA
loudspeakers, while still maintaining full peak power output).	TIO
Long term limiter Yes (protects the loudspeaker and amplifier against steady	2
long term rms signals (sine wave, non-music) reducing	PAN
maximum output)	PANEL FUNCTIONS
Thermal protection Yes (output power reduction when output stages operating	UNC
temperature up to 90 °C (194 °F). Mute when output stages	TION
operating temperature up to 100 °C (212 °F)	TECH

DESCRIPTION & INSTALL & CONNECT STATE IN Routing GPOs VersaPower Groups Player Users Register TP-NET Protocol Panels APP CHNICAL DATA

WebGUI Home & Updates

Settings Status

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REMOTE CONTROL CONNECTIONS	5		
ON / OFF	No		
GPIs	x4 GPIs (0-10V)		
Gris	Function and settings by embedded web application	нw	We GU
	5-pin Euroblock connector, rear panel. Euroblock pitch 3,5		
	mm		/eb(
GPOs	x4 NC / NO contacts	PR	bGUI Co
	4x 3pins Euroblock connector, rear panel	PRECAUTIONS	
	Euroblock pitch 3,5 mm	TION	nnectior
External MUTE	Yes, contact (2 pins Euroblock connector, rear panel,	র	
	Euroblock pitch 3,5 mm)		
LOCAL CONTROL		Ţ	Login
Attenuators	Programmable Front panel knobs (defaults: Amplified OUTs	ACK,	_
	attenuators)	AGE	Nav
Output mode settings	Lo-Z/Hi-Z, 70V/100V, 4Ω/8Ω/2Ω	PACKAGE CONTENTS	Navigation
	Output mode selection per channel	TENT	
	(Rear panel DIP SWITCH selectors)	Ś	ĒQ
RUN/SLEEP mode	Yes, front panel push-button (operate when pressed more		Ø
	than 0,5 seconds)	DES	
Power ON/OFF	Yes, back panel switch (red LED indicator)	FEATURES	Inp
CONNECTIVITY		FEATURES	Inputs/Outputs
Ethernet	Ethernet Base-Tx 10/100/1000Mb Auto X-Over	¢/ <u>2</u>	Out
	(CAT5 up to 100m. Settings by embedded web application)		puts
DANTE™/ AES67 Protocol	Dante™/ AES67 4x Tx / 4x Rx channels	7	ıts Setup
	Primary and secondary capability. RJ-45 ports	ISTA	
	(Settings by embedded web application)	LL &	-
Programming and control	Embedded web application	INSTALL & CONNEC	p Process
MONITORING		NECT	
Signal Present	SP LED (White) per channel (trigger @- 40 dBV)		DC
Clipping	CLIP LED (Red) per channel (Clip, Versa power limiter, Peak	SJ	g Eve
	power, Power supply overload)	TART	Events
Protect	PROT LED (Red) per channel (Current overload, Output	ĽP	
	short circuit, Under voltage, Over Voltage,	& OP	
	DC OUT (slow blink), HF protect (fast blink)	START-UP & OPERATION	Users
Standby / Mute	STBY/MUTE LED (White) per channel	FION	
	(ON when STBY, BLINK when MUTE)		Regi
Limit	LIMIT LED (Red) per unit	PAN	Register
	(Power (power supply) overload)		er
Thermal	THERMAL LED (Red) per unit (Temperature limiter)	JNCT	Ę
Dante™/ AES67	DANTE™/ AES67 LED (White) per unit (OFF NO WIRE, ON	PANEL FUNCTIONS	P-NET
	when MASTER, BLINK when SLAVE)		
Data	DATA LED (White) per unit (ON when DATA)	TECH	Protoco
On	ON LED (White) per unit (ON when RUN,	NICA	<u>6</u>
	SLOW BLINK when SLEEP by BUTTON, FAST BLINK when	TECHNICAL DATA	
	SLEEP by AUTOSTBY, VERY FAST BLINK when HW Fault)	ĮΤΑ	

	DIGITAL ENGINE
4	Processor
	AUDIO CONVERTERS
н₩	Sampling rate
	Resolution
UT) compressor/limiter	Dynamic range
UT)	ROCESSING
	Digital processing
UT)	Latency
compressor/limiter	Inputs processing
EQ independent for every	Outputs processing
ם	
r amp out	
ent A	
amp out ent oplication) natrix, priority & backup	
natrix, priority & backup	
etwork groups, events	Others
ettings by embedded web	
FEATURES	REAL-TIME CLOCK
FEATURES	Retention time
v z č	Accuracy
	Battery
	OCAL STORAGE
vrite)	Micro SD
	Capacity
vrite)	File system
vrite)	
다	
	Playable audio files
START	Files analysis
n each folder	
ach folder	
rectory	Ealder bisverster
ach folder 6000000000000000000000000000000000000	Folder hierarchy
dox	Sorting
n the FAT order	
n the FAT order	PHYSICAL
	Operating temperature
cTions	
above 40 °C)	
TECHNICAL DATA	Operating humidity
	Storage temperature

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PRECAUTIONS

Installation options	Rack 19" installation & desktop	
Included accessories	Universal Main cords, Euroblock Connectors (inputs	
	/outputs), Desktop feet, rack 19" installation hardware	
Optional accessories	-	
Dimensions (WxHxD)	482.6 x 88 x 410 mm. / 19 x 3.46 x 16.14 inches	
Weight	9.3 kg / 20.5 lb	
Shipping dimensions (WxHxD)	650 x 125 x 600 mm. / 25.59 x 4.92 x 23.62 inches	
Shipping weight	12.3 kg / 27.1 lb	
	1	

VIDA-16Q 7.1.2

VIDA-16Q

DA-16Q NPUTS		PACKAGE CONTENTS
Number of Inputs	4 analogue input channels	ONTE
	4 DANTE™/ AES67 Network Rx channels	NTS
	1 embedded player, 1 embedded signal generator	
Analogue input connection type	IN1-4: 3-pin Euroblock, balanced, pitch 3,5 mm.	c
Digital input connection type	Ethernet, managed via Dante™/ AES67 Controller	FEATURES
Input configuration	Digital matrix 4 in \times 6 out (Settings by embedded web	
input configuration	application)	E S
AMPLIFIED OUTPUTS		
Number of amplified outputs	4	_
Amplified output connection type	2-pin Euroblock. Pitch: 7,62 mm	NST,
	Ref: DEGSON 5EDGRC-7.62	
Output configuration	Lo-Z/Hi-Z, 70V/100V, 4Ω/8Ω/2Ω	ŝ
	Output mode selection per channel	INSTALL & CONNECT
	Rear panel DIP SWITCH selectors	1
/ERSAPOWER	·	S
SYMMETRICAL - All channels d	riven @1kHz @CF9dB @ 1%THD	START-UP & OPERATION
Max output power @ 8 Ω	400W	T-UP
Max output power @ 4 Ω	400W	& O
Max output power @ 2 Ω	400W	PERA
Max output power @ 100V	400W	
Max output power @ 70V	400W	_
ASYMMETRICAL - Single chann	nel driven @1kHz @CF9dB @ 1%THD	PAN
Max output power @ 8 Ω	1400W	
Max output power @ 4 Ω	1600W	
Max output power @ 2 Ω	1600W	PANEL FUNCTIONS
Max output power @ 100V	1600W	
Max output power @ 70V	1600W	TECHNICAL DATA
		AL D
)AT/

AUXILIAR OUTPUTS		
Number of auxiliar outputs	2	
Auxiliar output connection type	ar output connection type AUX1-2: 3-pin Euroblock, balanced (Euroblock pitch 3,5 mm.	
	Settings by embedded web application)	
DIGITAL OUTPUTS		
Number of digital outputs	4	
Digital output connection type	Ethernet, managed via Dante™/ AES67 Controller	
SIGNAL		
Voltage gain	28 to 40 dBV	
	30,2 to 42,2 dBu	
Input sensitivity	-6 to +6 dBV	
	-3,78 to 8,2 dBu	
	0,5 to 2 Vrms	
	(adjusted by means of Smart Versa Power utility)	
Input impedance	>24k (balanced)	
Max input level	+18 dBV	
	+20,2 dBu	
	(@ Gain 34 dBV)	
Frequency response	15Hz-25kHz (-3dB, 1W any load)	
THD + Noise	< 0,1 %	
	0,015 Тур	
	(@ 1kHz, from 0,1W to Full Power)	
SNR	95 dBA (40dB Gain, from 20Hz - 20kHz)	
Crosstalk	>80dB (@ 1kHz)	
CMRR	> 65 Typ (from 20Hz-20kHz)	
Damping factor	pamping factor >500 (@ 8 Ω , from 20Hz to 1kHz)	
ELECTRICAL		
Power supply	Universal, regulated SMPS with PFC	
AC mains requirement	100-240 V @ 50-60Hz ((±10%)	
Power factor correction	> 0,96 (Output Power > 500W)	
AC mains connector	IEC C14 inlet (10Amax)	
POWER & HEAT @230VAC		
1/4 POWER, @ 4Ω (all channels driven)	
Power	607 W 640 VA	
Current Draw	3,8 Arms	
Thermal Loss 178,0kcal/h 706,5BTU/h		
1/8 POWER, @ 4Ω (all channels driven)	
Power	362 W 414 VA	
Current Draw	1,8 Arms	
Thermal Loss	139,3kcal/h 552,9BTU/h	
IDLE (all channels dr	iven)	
Power	72 W 122 VA	
Fower		
Current Draw Thermal Loss	0,52 Arms 61,9kcal/h 245,7BTU/h	

Settings Status DESCRIPTION & FEATURES Routing Inputs/Outputs Setup GPOs VersaPower Groups Player Processing Events Panels Register TP-NET Protocol APP 25

START-UP & OPERATION

PANEL FUNCTIONS TECHNICAL DATA

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PRECAUTIONS

PACKAGE CONTENTS Navigation

INSTALL & CONNECT

SLEEP MODE (all ch				
	4,1 W 23,8 VA		A	-
Current Draw	0,1 Arms			
Thermal Loss	ss 3,5kcal/h 14BTU/h		~ Č	SUI
			<	:
POWER & HEAT @120VAC			WebGUI Connection	≷e
1/4 POWER, @ 4Ω	(all channels driven)	PRECAUTIONS		/ebGUI
Power	604 W 611 VA		on	
Current Draw	5,17 Arms	FION	nect	Home
Thermal Loss	175,4kcal/h 696,3BTU/h	N	non	×
1/8 POWER, @ 4Ω	l (all channels driven)		- 5	Jpdates
-	354 W 362 VA	PA	ogin	tes
Current Draw		CKA		
Thermal Loss	132,4kcal/h 525,6BTU/h	GEO	Vavi	Sett
IDLE (all channels d		PACKAGE CONTENTS	Navigation	ettings
Power	68 W 89 VA		0 N	رم م
Current Draw	0,75 Arms		_ ح	Status
Thermal Loss	58,5kcal/h 232,1BTU/h			ο Ο
SLEEP MODE (all ch	annels driven)	Ĥ	DESC	
Power	3,6 W 10,2 VA	FEATURES	Inputs/(Routing
Current Draw	0,09 Arms			ing
Thermal Loss	3,1kcal/h 12,3BTU/h	1	Inputs/Outputs RIPTION &	
TECHNOLOGIES				
Amplification technology	Class D	SNI	Setup	0° S
Energy saving	Auto standby function programmable per channel	INSTALL & CONNECT		<pre></pre>
	Sleep Mode function selectable	& Q		rsaPower
Efficiency	68% (1/4 POWER, @ 4Ω)		Processi	owe
Cooling	Fan (forced air, front to back airflow. Temperature controlled	ECT	sing	-
	continuously variable speed)	_		Groups
Maximum fan noise	53dB (maximum acoustical noise @1m)	STA	Events	1 pg
PROTECTIONS		START-UP & OPERATION	nts	
DC protection	Yes (protects loudspeaker and installation against DC and	UP &	j	Player
	infrasonic signals at the outputs)	OPE	Users	ver
HF protection	Yes (protects the loudspeakers against non-audible, strong,	RATI	ers	
	non-musical high frequency signals)	Q Z		- .
Short-circuit protection	Yes (protects the amplifier from overcurrent, short circuit or	σ.	Register	Panels
	other stressful events for the output stages with output		Iste	
	reduction or MUTE (automatic protection reset)	PANEL FUNCTIONS	! _	┨Ъ
Clip limiter	Yes (prevents severely clipped waveforms from reaching		I P-NET	
	loudspeakers, while still maintaining full peak power output).	SNC		
Long term limiter	Yes (protects the loudspeaker and amplifier against steady	H	-	
	long term rms signals (sine wave, non-music) reducing	CHN	Protoco	
	maximum output)		2	
		TECHNICAL DATA		
		Þ	•	

Thermal protection	Yes (output power reduction when output stages operating temperature up to 90 °C (194 °F). Mute when output stages		•
	operating temperature up to 100 °C (212 °F)		
REMOTE CONTROL CONNECTIONS	5	нพ	, W
ON / OFF	No		
CPIe	x4 GPIs (0-10V)		WebGUI
GPIs	Function and settings by embedded web application	PRE	ŝ
	5-pin Euroblock connector, rear panel. Euroblock pitch 3,5	PRECAUTIONS	Con
	mm	TION	Connection
GPOs	x4 NC / NO contacts	Ś	tion
	4x 3pins Euroblock connector, rear panel		
	Euroblock pitch 3,5 mm		Login
External MUTE	Yes, contact (2 pins Euroblock connector, rear panel,	ACK	3
	Euroblock pitch 3,5 mm)	AGE	Za
LOCAL CONTROL		PACKAGE CONTENTS	Navigation
Attenuators	Programmable Front panel knobs (defaults: Amplified OUTs	TEN	tion
	attenuators)	TS	
Output mode settings	Lo-Z/Hi-Z, 70V/100V, 4Ω/8Ω/2Ω		Ę
• –	Output mode selection per channel	DES	;
	(Rear panel DIP SWITCH selectors)	DESCRIPTION FEATURES	
RUN/SLEEP mode	Yes, front panel push-button (operate when pressed more	SCRIPTION	Inputs/(
	than 0,5 seconds)	S S &	/Ou
Power ON/OFF	Yes, back panel switch (red LED indicator)		Inputs/Outputs
CONNECTIVITY			
Ethernet	Ethernet Base-Tx 10/100/1000Mb Auto X-Over	INSTALL & CONNECT	Setup
	(CAT5 up to 100m. Settings by embedded web application)		
DANTE™/ AES67 Protocol	Dante™/ AES67 4x Tx / 4x Rx channels	* CO	Process
	Primary and secondary capability. RJ-45 ports	NNEC	Process
	(Settings by embedded web application)	4	<u> </u>
Programming and control	Embedded web application		
MONITORING		START-UP & OPERATION	Events
Signal Present	SP LED (White) per channel (trigger @- 40 dBV)	Ϋ́Τ-UF	ţ
Clipping	CLIP LED (Red) per channel (Clip, Versa power limiter, Peak	& 0	
	power, Power supply overload))PER	Users
Protect	PROT LED (Red) per channel (Current overload, Output	ATIO	ົຈ
	short circuit, Under voltage, Over Voltage,	Ž	고
	DC OUT (slow blink), HF protect (fast blink)	PA	Register
Standby / Mute	STBY/MUTE LED (White) per channel	PANEL FUNCTIONS	ster
··· /·	(ON when STBY, BLINK when MUTE)	FUN	
Limit	LIMIT LED (Red) per unit	CTIO	TP-NET
	(Power (power supply) overload)	Ñ	
Thermal	THERMAL LED (Red) per unit (Temperature limiter)	TEC	Pro
Dante™/ AES67	DANTE™/ AES67 LED (White) per unit (OFF NO WIRE, ON	HNI	Protocol
	when MASTER, BLINK when SLAVE)	CAL	<u> </u>
Data	DATA LED (White) per unit (ON when DATA)	TECHNICAL DATA	
	DATA LED (Withe) per unit (or when brand,	4	

On	ON LED (White) per unit (ON when RUN,		
	SLOW BLINK when SLEEP by BUTTON, FAST BLINK when	-	A-
	SLEEP by AUTOSTBY, VERY FAST BLINK when HW Fault)		We
DIGITAL ENGINE		нм	GL
Processor	Quad core 64bits 1,5GHz		\leq
AUDIO CONVERTERS			ebG
Sampling rate	48 kHz	PRE	bGUI Co
Resolution	24 bit	CAUT	Conr
Dynamic range	114dB	PRECAUTIONS	WebGUI Connection
PROCESSING		v.	on
Digital processing	32/64 bit) Login
Latency	2,8 ms (Analog IN to analog OUT)	Ρź	_ogin
Inputs processing	Noise gate, HPF, Freq. Shifter, compressor/limiter	YCK	
Outputs processing	Delay, Parametric EQ, Graphic EQ independent for every		Nav
	amp out and aux out.	CONT	Navigation
	Limiters independent for every amp out	PACKAGE CONTENTS	
	Smart VersaPower management	S	ΕQ
	(Settings by embedded web application)		
Others	Preset management, Internal matrix, priority & backup		
Others	signals management, local & network groups, events	FEATURES	lnp
	management incl. calendar (Settings by embedded web	URES	Inputs/0
	application)	07 Z ©	Out
REAL-TIME CLOCK			nputs/Outputs
Retention time	> 5 years	Ī	ıts Setup
Accuracy	±1 minute / month	ISTA	
Battery	VARTA CR2032 3V, 230mAh	LL &	
LOCAL STORAGE		INSTALL & CONNE	p Process
Micro SD	SDXC	NECT	
Capacity	Up to 2TB		ng
File system	FAT16, FAT 32, VFAT (read/write)	Ņ	g Eve
	NTFS (read)	TAR	Events
	Multi-partition up to 1	Г-UP	
Playable audio files	mp3, ogg, WAV, FLAC, AIFF	& O	
Files analysis	65354 playable folders	START-UP & OPERATION	Users
	65354 playable folders within each folder	TIO	
	65354 playable files within each folder	2	Regi
Folder hierarchy	Up to 8 containing the root directory	PAI	Register
Sorting	UNICODE, in alphabetical order		ter
-	Up to 100 folders / files by folder		Ę
	Folders/files over 100 sorted in the FAT order	PANEL FUNCTIONS	TP-NET
PHYSICAL			Η F
Operating temperature	-10° to 50° C	TECI	Protoco
	14° to 122° F	TECHNICAL DATA	ocol
		≥	
	(performance may be reduced above 40 °C)		

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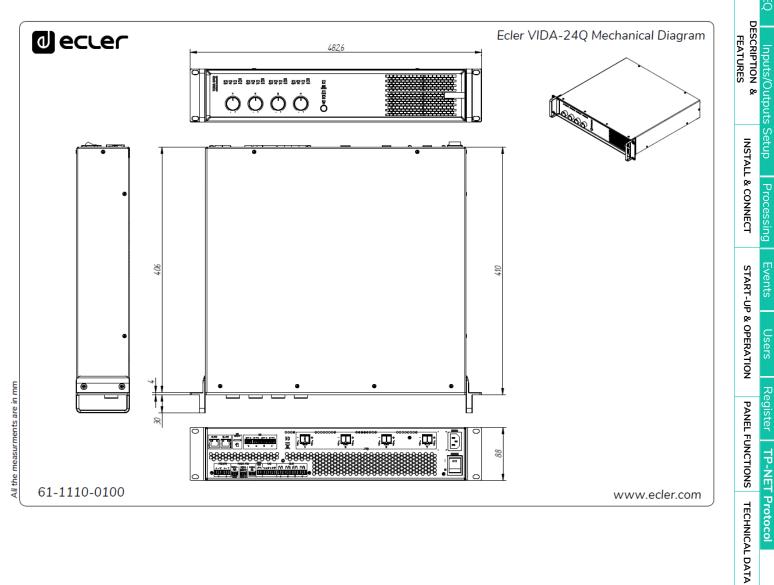
PRECAUTIONS

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Storage temperature	-10° to 50° C
	14° to 122° F
Storage humidity	5 - 85% RH, non-condensing
Installation options	Rack 19" installation & desktop
Included accessories	Universal Main cords, Euroblock Connectors (inputs
	/outputs), Desktop feet, rack 19" installation hardware
Optional accessories	-
Dimensions (WxHxD)	482.6 x 88 x 410 mm. / 19 x 3.46 x 16.14 inches
Weight	9.3 kg / 20.5 lb
Shipping dimensions (WxHxD)	650 x 125 x 600 mm. / 25.59 x 4.92 x 23.62 inches
Shipping weight	12.3 kg / 27.1 lb

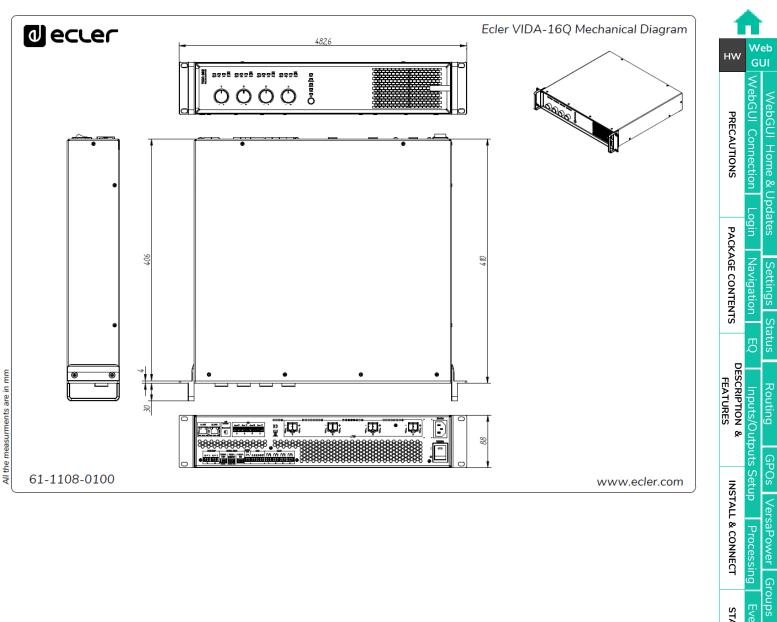
7.2 MECHANICAL DIAGRAM

7.2.1 VIDA-24Q





7.2.2 VIDA-16Q



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8. WebGUI

VIDA series digital amplifiers are configured and controlled through their embedded web application. The user interface can be operated via any web browser on any device: Windows, MacOS, Tablet or Smartphone¹.



ECLER VIDA is the user application that allows control of one or more VIDA series amplifiers on the same local network through customised user control panels set up by the system administrator. The app gives allows users to control volume, select sources, equalise, select playlists, control the internal audio player, select presets, and more. Exclusive panel for each user, fast and straightforward to create. There is also a tool for the administrator to start up the equipment for the first time.

Compatible with Ecler VIDA series amplifiers. An Ecler VIDA series amplifier is required to create user panels and publish them on the local network.

Available for iOS and Android. Download the app free from:





We recommend updating your browser to the latest version to ensure that the app functions correctly.

Demo version available. Visit <u>www.vida.ecler.com</u> and access the VIDA application online – **physical connection to a VIDA device is not required** – and explore the capabilities of these devices. Note that **some functionalities**, such as firmware update, will not be available and **require a physical connection to a VIDA device**.

¹Web application not optimised for Smartphone. We recommend using on PC or Tablet.

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8.1 UPDATES

- Current version: V1.03 (December 2023):
 - Support for VIDA-48Q model.
 - Back-up copies compatible with various models.
 - TP-NET support for input selection ("zoner" mode).
 - Group volumes saved in presets.
 - Possibility to select "None" as the input of a source.
 - o French, Portuguese and Galician languages have been added.
 - o Unique language list.
 - Bug fixing and improvements
 - o NIMBO-24 EQ upgrade.
 - o Secondary signal display in mixer/zoner is hidden when it does not exist.
 - Fixed auto-update when in boot mode.
 - Fixed bug where group volumes could not be loaded from a backup.
 - Adaptability of combos selection to content has been improved.
 - Some minor bugs fixed.

• Previous versions:

- V1.02 (July 2023):
 - Support for VIDA-16Q model.
 - AES67 support.
 - User EQ settings management has been added, allowing saving, editing and deleting EQ curves.
 - The option to import and export user EQ settings has been added.
 - Added factory EQ setting for NIMBO-24.
 - Improvements and TP-NET support of the impedance monitor.
 - The administrator can now reorder the controls in the user panels.
 - When the auxiliary IP is active, it is now also displayed on the STATUS page.
 - Language selection has been added to the user application.
 - Italian and Basque have been added.
 - Improvements and bug fixes
 - The audio player continues playback after the equipment has been switched off.
 - Review of templates.
 - Manual refresh of the contents of the microSD card.
 - The configuration files now belong to each model.
 - Latency error corrected between the amplified and auxiliary outputs.
 - Possible connection error corrected when connecting point-to-point equipment via auxiliary IP.

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Other minor errors corrected. •

• V1.01 (April 2023):

- Spanish and Catalan added.
- Stereo output link added to limiters.
- Fixes in Net Groups that were causing malfunction.
- Automatic management of stereo outputs in Net Groups.
- Fix in Calendar Monitoring for a bug when creating an event in the past.
- Improved management of network activity events (logs).
- Amendment of some texts in Events for clarity.
- Major improvements to Impedance Monitor
- Change in Health: Health Monitor and the list of errors and recovered errors are independent. Daily health events list displayed.
- Fix in logs, which might have caused detection of a system error.
- Correction to configuration of delay scale, which might have caused adjustment control to disappear.
- Minor bug fixes and performance improvements.

• V1.00 (April 2023):

Official release version of VIDA-24Q.



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8.2 FIRST STEPS

To access the VIDA web application from an external device (computer, tablet, etc.) using a browser, first make sure that both devices are physically connected to the same local area network (LAN), and configured within the same network range.

DHCP is the default network configuration mode. If you have a router/switch with a DHCP server (see the specifications for your device), network configuration is automatic so there is no need for you to do any re-configuration.

There are 3 ways to connect to the embedded VIDA web application:

AUTOMATIC CONNECTION USING THE ECLER VIDA USER WEB APP 8.2.1

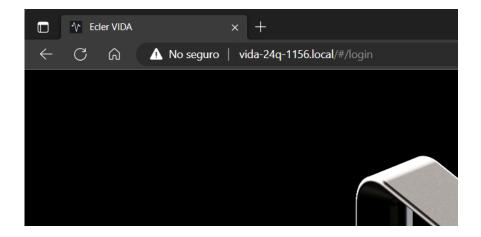
- 1. Download the Ecler VIDA app from the app store for your device.
- 2. Connect the VIDA device to the router/switch using a CAT5 or higher cable (NET1 Ethernet port on the VIDA device)
- 3. Connect your Smartphone to the same local network as the VIDA device over WiFi.
- 4. Open the app and click on "Setup Device". Follow the instructions.
- 5. A list of all VIDA devices on the network will be shown. When you click on a listed device, you can see further information and its web connection and IP address.
- 6. Copy one or more links and paste them into your browser, on the same or another device.

8.2.2 AUTOMATIC CONNECTION USING A COMPUTER

- 1. Connect the VIDA device to the router/switch using a CAT5 or higher cable (NET1 Ethernet port on the VIDA device)
- 2. Connect your browser-equipped device (computer, tablet, etc.) to the same local network (router/switch). You can do this over a wired or WiFi connection, depending on your network device and computer/Tablet.
- 3. Check the label on the back panel or the additional label in the packaging, and enter the web address shown here (http://vida-24q-xxxx.local) into your browser. The last 4 digits of the web address are the same as the MAC address of the device.



4. Enter that address in your browser.



Solution Another way is to find out the IP address for the device via the internet or your router/switch's settings if you can access them using the Ecler VIDA user app.

8.2.3 MANUAL CONNECTION

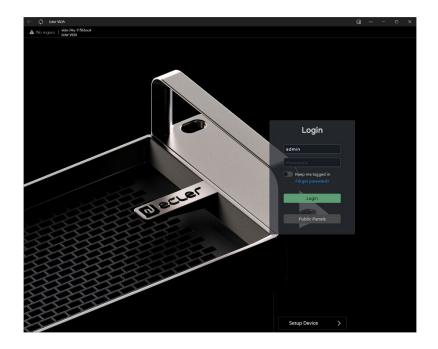
If you do not have a DHCP server, don't know whether you have one, or just want to make a point-to-point connection with a computer:

- **1.** Connect the VIDA device to the computer using a CAT5 cable or higher (NET1 Ethernet port on the VIDA device).
- **2.** If no DHCP server is found the VIDA device can be accessed via IP address: 192.168.0.100. Localise your computer in the same IP range to access the device.
- 3. Enter the IP address 192.168.0.100 in your browser.

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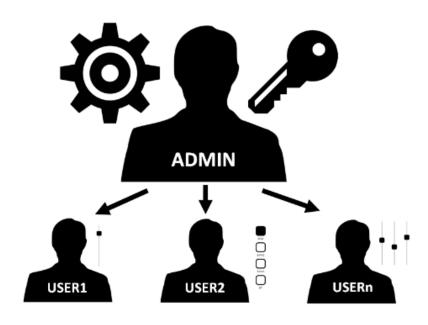


8.3 LOGIN



There are 2 profiles that can access the app

- 1. Administrator: An administrator has access to all functions of the VIDA device and can configure any amplifier parameter, event, peripherals, etc. An administrator creates users and control panels for the Ecler VIDA user app.
- 2. User: users (non-administrator users or end-users of the system) have limited access. The only functions available to normal users are controls (e.g. controlling the volume of an output) but no configuration functions.



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Administrator and user access **are password-protected**. **The default** administrator access **credentials are**:

- Username: admin
- Password: admin

Solution An administrator can change their access password in the VIDA web app and manage users and passwords.

Usernames and passwords are case-sensitive.

8.3.1 KEEP ME LOGGED IN

When this function is active, a new login will not be required each time the VIDA web app is opened. The LOGIN page will not be displayed and the last page visited will be displayed. To deactivate, log out of the web app.

8.3.2 FORGOT PASSWORD

Allows users to change their password and the administrator to restore login credentials (name and password) if forgotten.

To reset the administrator credentials, enter them in the Reset Passwords dialogue box:

- User name: admin
- Password: reset

Administrator access credentials will be restored to the default values: admin/admin.

8.3.3 PUBLIC PANELS

Access to **control panels, public profile** (no login credentials required). These control panels must be created by an administrator. <u>See Panels chapter</u> for more details on public control panels.

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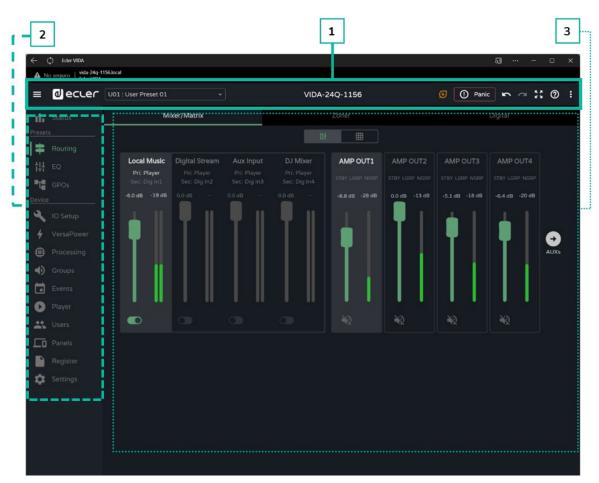
8.3.4 SETUP DEVICE

Quick start-up and/or discovery of VIDA devices on the same local network.

To set up an installation with several VIDA devices, access the web app of any of those devices and use Setup Device to find the network information for the others and access them easily.

8.4 NAVIGATION

The app screen has 3 parts.



- **1.** App bar: contains important information, quick action buttons and the app configuration menu.
- 2. Main menu: contains the different configuration pages.
- **3. Page**: Displays all configuration options within the chosen menu option. A menu entry may contain different tabs with different pages.

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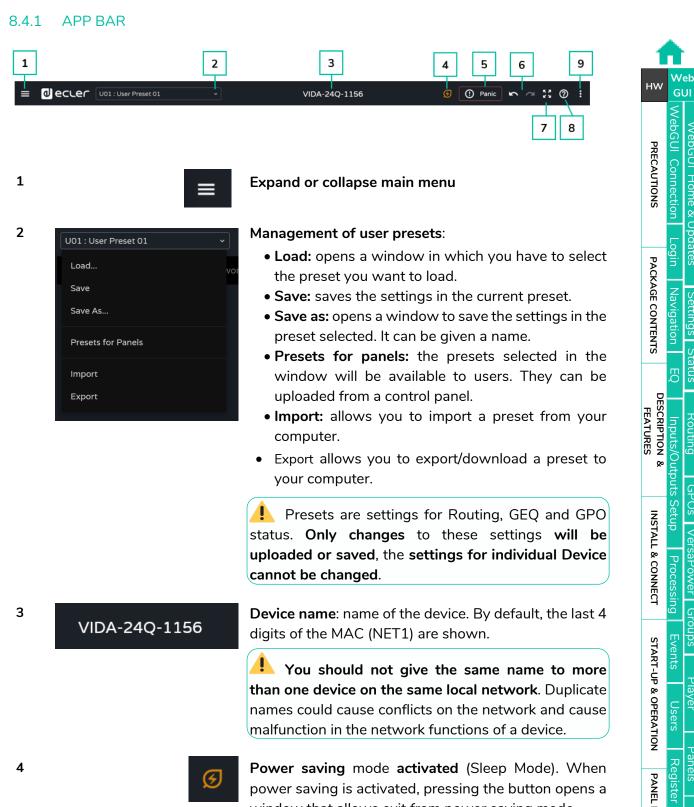
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Power saving mode activated (Sleep Mode). When power saving is activated, pressing the button opens a window that allows exit from power saving mode.

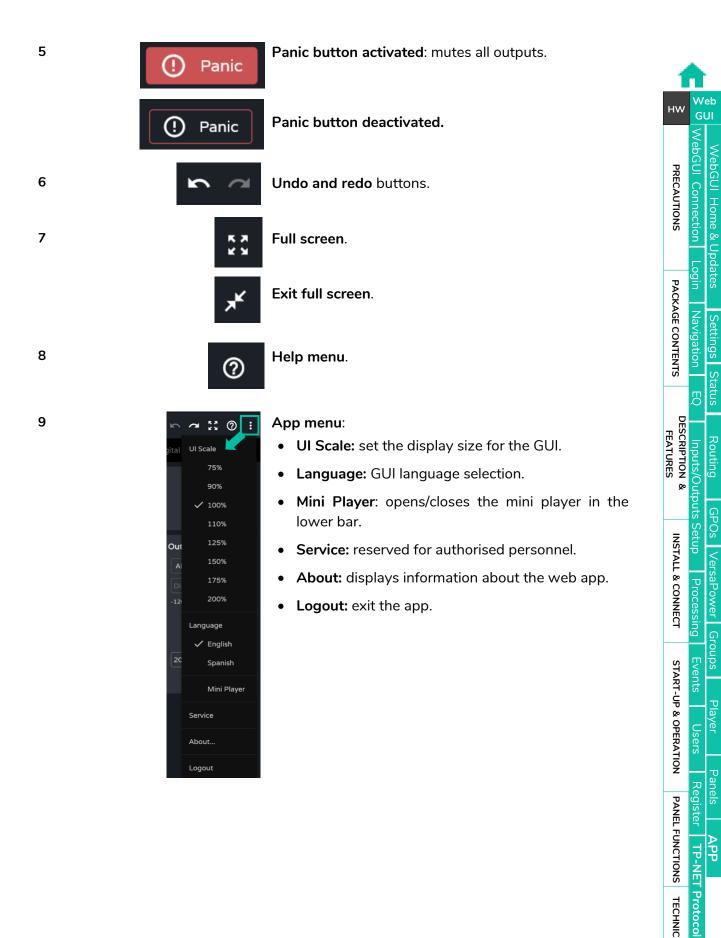


(4)

Power saving mode deactivated (Running Mode). The device is in operation.

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8.5 SETTINGS

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Presets Presets Presets Presets Device Device Name Oevice Name Device VIDA-24Q-1156 Time & Date Time & Date Time & Date Time Zone Spain/Madrid Device Or outpot Or outpot Processing				VIDA-24Q-	-1156	🕑 🚺 Panic	► ~ # 0
Pevice Time & Date Image: Powice Name IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Status	Device	Network	Knobs/GPIOs	Energy Saving	Health	Backup & Firmware
Device Name VIDA-24Q-1156 Time & Date 11:59:48 · 01/03/202 Image: Spain / Madrid Time & Date Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain / Madrid Image: Spain		Device			Time & Date		
GPOs Web Access http://vida-24q-1156.local Time Zone Spain/Madrid revice Group ID Ampgroup Date format DD/MM/YYYY VersaPower Comments Week starts on Monday Processing Foroups Boot-Up Reboot Device Reference Processing Ference Reboot Device Reference Player Player Ference Remember Loop		Device Name 🌘	VIDA-24Q-1156		Time & Date		11:59:48 - 01/03/2023 🥠
evice Group ID Ampgroup Date format DD/MM/YYY VersaPower VersaPower Monday Monday Processing Forcessing Monday Monday Groups Feetoe Reboot Device Retoot Device Player Player Monday Remember Loop		Web Access	http://vida	-24q-1156.local 📋	Time Zone	Spain/Ma	drid ~
Comments Monday VersaPower Monday Processing Monday Processing Boot-Up Events Restore Defaults Player Boot-Up Mode		Group ID	Ampgroup		Date format	DD/MM/	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
VersaPower Boot-Up Processing Reboot Device Groups Reboot Device Events Restore Defaults Player Boot-Up Mode		Comments				Monday	
Groups Reboot Device Ret Events Restore Defaults Res Player Boot-Up Mode Remember Log					NTP Synchronization		
Groups Restore Defaults Restore Defaults Events Boot-Up Mode Remember					Boot-Up		
Player Boot-Up Mode Remember Lo					Reboot Device		Reboot
Player	Events				Restore Defaults		Restore
	Player				Boot-Up Mode		
Lers	Users						
O Panels	Danels						
Register	Register						
🌣 Settings	Settings						

This is where to configure the **general settings for the device**.

- Device
- Network.
- Knobs/GPIOs
- Energy Saving
- Health
- Backup and Firmware.

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8.5.1 DEVICE

General settings.

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≡ 0ecler	U01 : User Preset 01	VIDA-24	łQ-1156	🕑 🖸 Panic 🗠 🗠 👯 🕐 🗄
Status	Device	work Knobs/GPIOs		Heal h Backup & Firmware
Presets	Device		Time & Date	
—	Device Name	VIDA-24Q-1156	Time & Date	11:59:48 - 01/03/2023 <i>f</i>
†뷰 EQ ■■	Web Access	http://vida-24q-1156.local	Time Zone	Spain/Madrid ~
GPOs Device	Group ID	Ampgroup	Date format	DD/MM/YYYY ~
IO Setup	Comments		Week starts on	Monday
 VersaPower 			NTP Synchronization	
Processing			Boot-Up	
Groups			Reboot Device	Reboot
Events			Restore Defaults	Restore 3
Player			Boot-Up Mode	Remember Load
Users			<u> </u>	
Panels				
Register				
Settings				
Settings				

1. Device

- Device name: The name is used to identify the device on the network (NET1 and NET2), and identifies it as a Dante[™]/ AES67 device, as well as mDNS (to resolve hostnames to IP addresses). The info button shows the requirements for a Dante[™]/ AES67 name.
- Web Access: access to the configuration web page using the device name. Copy and paste the address into your browser to open a new instance of the web app.
- **Group ID**: Identifying name of the group of VIDA amplifiers on the same local network. Amplifiers with the same group name can use the same Net Groups. There can be the same number of Net Groups (up to four Net Groups) on a network as there are Group IDs on the network.
- **Comments:** space for comments and notes about the amplifier, installation, configuration, etc.

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- 2. Time & Date
 - Time & Date: time and date on the device.
 - Time Zone: selection of time zone.
 - Date Format: date format.
 - Week starts on: first day of the week.
 - NTP Synchronization: enables or disables time synchronization with NTP server. Internet connection required. Enable this functionality for automatic time synchronization on the device.
 - NTP server: address of the NTP server.
- 3. Boot-Up
 - **Reboot device**: **reboot the device**. The device will keep its current configuration on reboot.
 - Restore defaults: reverts to factory settings.

I The current network configuration and device name will be lost. May cause disconnection of the device from the local network.

- Boot-up mode: selects the mode in which the device starts after shutdown:
- Remember: starts up with the configuration at shutdown.
- Load: allows you to select the preset for device start-up.

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8.5.2 NETWORK

Device network settings and search function.

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56.local				
U01 : User Preset 01 +	VIDA-24Q	1156	🕑 🚺 Panic	∽ ~ X @ :
Device Network		Energy Saving		Backup & Firmware
		Not 2 Dante + Control		1
				(manufacture)
IP Mode 🔯	Auto (DHCP)	IP Mode 🚠		Auto (DHCP)
IP Address		IP Address		192.168,1.142
				255.255.255.0
				192.168.1.1
DNS2		DNS2		0.0.0.0
мас	DC:A6:32:E6:11:56	MAC		00:1A:96:DE:AD:50
Tana an				
Finder			2	
Enable Finder (60s)				0
Internet Connection				
Test Internet Connection			3	Test
	Device Network Net 1 Control Net 1 P Mode P Address IP Subnet Mask IP Gateway DNS1 DNS2 MAC Finder Enable Finder (60s) Internet Connection	Salacal U01 : User Preset 01 VIDA-24Q Device Network Knobs/GPIOs Net 1 Centrol • IP Mode & Auto (DHCP) IP Address IP Subnet Mask IP Gateway DNS1 DNS2 MAC DC:A6:32:E6:11:56 Finder Enable Finder (60s)	UD1: User Preset 01 VIDA-24Q 1156 Device Network Knobs/GPIOs Energy Saving Net 1 Control • IP Mode & IP Mode & IP Mode & IP Address IP Address IP Address IP Address IP Gateway DNS1 DNS2 DNS2 MAC DC:A6:32:E6:11:56 MAC Finder Internet Connection Internet Connection	Stocal U01: User Preset 01 VIDA-240 1156 © Panic Device Network Knobs/GPIOs Energy Saving Health Net 1 Control P Mode Auto (DHCP) IP Mode IP Address IP Subnet Mask IP Gateway DNS1 DNS2 MAC DC:A6:32:E6:11:56 MAC III P Mode IIII P Mode III P Mode IIII P Mode IIIII P Mode IIII P Mode IIII P Mode IIIII P Mode IIIIII P Mode IIIIIII P Mode IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

- 1. VIDA devices have 2 RJ-45 Ethernet connectors on the rear panel. Each is for an independent network interface.
 - NET 1: network interface for monitoring. Communication with web app, user control application and third party integration protocol. The option if Dante[™]/ AES67 digital audio send and/or receive is not used.
 - NET 2: Network interface for control and Dante[™]/ AES67 digital audio send and receive. Dante[™]/ AES67 digital audio, communication with web app, user control app and third party integration protocol. The option if you use Dante[™]/ AES67 digital audio send and/or receive.

The NET 1 and NET 2, networks can be configured independently. They can be connected and operate simultaneously, for example, to isolate Dante[™]/ AES67 digital audio traffic from other traffic on the network.

If the NET 1 and NET 2 networks are used simultaneously, they should be configured so that they are on different networks. If the NET 1 and NET 2 networks are connected on the same local network, network conflicts may arise that impact network functionality.

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Network cable not connected.



Network cable connected.

Auto (DHCP)Button that opens settings for network parameters.
Shows IP addressing:

- Auto (DHCP): automatic addressing. DHCP server required. Default value.
- Manual: manual addressing.



Network parameter factors:

- If NET 1 is configured as Auto (DHCP), and there is no DHCP server, it will automatically be configured with an auxiliary IP addressed and can be accessed via: 192.168.0.100. Use that address if you are connecting point-to-point with a computer.
- If the NET 1 and NET 2, networks are connected, access to the Internet will be through the Gateway of NET 1 and NET 2 will have a display value of 0.0.0.0.
- The DNSs of NET2 are the same as the NET 1 DNSs when both networks are connected.
- 2. Finder: Function to distinguish the device from other devices in the same location.

 Finder

 Enable Finder (60s)

 When the Finder function is enabled, the front panel LEDs will flash for 60 seconds. It is then automatically deactivated.

 Image: Comparison of the finder function of the finder function is enabled, the front panel LEDs will flash for 60 seconds. It is then automatically deactivated.

3. Internet Connection: Internet connection check.



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8.5.3 KNOBS/GPIOS

Configuration of front panel potentiometers, GPIs and GPOs.

	U01 : User Preset 01 ~	VIDA-24Q	-1156 🥑 🗍	() Panic 🗠 🔿 👯 🕐
Status		vork Knobs/GPIOs	Energy Saving He	alth Backup & Firmware
	Knob1	Knob2	Knob3	Knob4
Routing	Label Knob1	Label Knob2	Label Knob3	Label Knob4
EQ	Status 9			
	0.0014	0510	00/0	0014
	GPI1	GPI2	GPI3	GPI4
IO Setup	Label GPI1	Label GPI2	Label GPI3	Label GPI4
Versa Pozer	Mode Analogue Digital	Mode Analogue Digital	Mode Analogue Digital	Mode Analogue Digital
Processing	Calib. 0 • • • • 100	Calib. 0 • 100	Calib. 0 0 100	Calib. 0 0 10
	Status 0	Status 0	Status 0	Status 0
	GPO1	GPO2	GPO3	GPO4
	Label GPO1	Label GPO2	Label GPO3	Label GPO4
Player 3	Mode Preset Event	Mode Preset Event	Mode Preset Event	Mode Preset Event
	Status open	Status open	Status open	Status open
Register				
Settings				

1. Knobs

Allows individual configuration of the rotary controls on the front panel:

- **Label:** label, for easy identification. The label has to be different for each of the four potentiometers.
- **Status:** indicates the status of a potentiometer or GPI. Values are in the range 0 (minimum)-100 (maximum). GPOs show the values open or closed.

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2. GPIs

Allows individual configuration of the rear panel GPI ports:

- Label: label, for easy identification. It must be unique for each GPI.
- Mode: Analogue or digital mode:
 - Analogue: Analogue for volume control. Rotary controls 0-10VDC.
 - Digital: for actions like signal muting, loading presets or playlists, activating GPO and Play/Pause. Buttons, push buttons, contact closures.
- Calib. (GPI calibration):
 - Place the potentiometer at the end where it gives a minimum reading. Read the Status value and set the minimum value of the "Calib" control to the same value.
 - Place the potentiometer at the end where it gives a maximum reading. Read the Status value and set the maximum value of the "Calib" control to the same value.

3. GPOs

Allows individual configuration of the rear panel GPO ports:

- Label: label, for easy identification. It must be unique for each GPO.
- Mode: Preset or event mode.
 - Preset: the active or inactive status of the GPOs is stored in the Presets, so that recovering one of them recovers the combination of active/inactive GPOs at the time of saving. GPOs configured as preset GPOs are not available for modification via events.
 - **Event**: The active or inactive status of GPOs is determined by events. GPOs configured as event GPOs are not available for modification via presets.

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8.5.4 ENERGY SAVING

The VIDA series performs a fully programmable energy saving function that reduces energy consumption by up to 95%, which can help save money.

See below for the different types of amplifier power saving mode settings.

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Groups	Time	Normal (60 s)		Time	Normal (60 s)		Time	Normal (60 s)		Time	Normal (60 s)	•
Events												
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1. Sleep Mode

VIDA amplifiers have an energy saving mode where power draw is very low.

- Amplifier status: shows the current status of the amplifier:
 - **Running**: normal operation.
 - **Sleeping:** sleep or power-saving mode. The amplifier can enter power-saving mode in 2 ways:
 - Manual: by pressing the ON button on the front panel, or via internet configuration with the "power" button
 On the STATUS page.
 - Automatic: by activating Auto Sleep Mode.



- Auto Sleep Mode: When activated, the amplifier will enter power-saving mode (Sleeping) when all 4 amplified outputs are in Standby and will automatically return to normal operation (Running) when:
 - o An amplified output is not in Standby mode.
 - $\circ~$ The button on the front panel is pressed. If enabled.
 - $\circ~$ The "Power" button on the STATUS page is pressed.
 - $\circ~$ An event or user control causes one of the amplified outputs to exit standby.

The digital inputs and outputs are disabled when the device is in power-saving mode.

If any of the analogue inputs carries an audio signal, even if not assigned to a Source, the device will remain operational and **will not enter power saving mode**.

• Front Panel On/Sleep Button: Enables or disables the ON/SLEEP button on the front panel to prevent unwanted operation.

To switch the device off completely, use the **"Power" button on the <u>rear</u> <u>panel</u>.**

2. Auto Standby

Configuration of auto standby for amplified outputs independently.

- Enable: enables/disables the auto standby function for the output.
- Threshold: standby activation threshold setting.
- Time: waiting time.

For an output to enter standby, the audio signal at the output must remain below the specified threshold for the specified time.

If any of the outputs have auto standby disabled, the Auto Sleep function will not work properly. Auto standby must be enabled on all 4 amplified outputs. FEATURES

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8.5.5 HEALTH

Amplifier health monitor.

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- 1. Health Monitor: Summary of the amplifier's health status:
 - OK: everything is OK. There are no errors or if there were, they have been resolved.
 - Warning: attention is required, an error has occurred.
- **2.** List of daily incidents: shows errors, recovered errors, warnings and system failures that have occurred since 00:00.

The health monitor reports system errors (failures), which could lead to a major failure of the device, i.e. warnings for overvoltages, temperatures, etc.

The event list, in **addition to system errors, shows a list of errors and warnings related to the configuration of the device**, that are not a major failure of the device, but may lead to a malfunction.

- The health monitor may indicate that all is well, and at the same time display errors and warnings in the event listing. This means that the health of the system is not compromised, but that there may be causing a malfunction. For example, an Internet connection fault is causing the firmware not to update automatically.
 - The health monitor may indicate that the device requires attention and at the same time not display any errors or warnings. This means that a failure that compromises the health of the system occurred before 00:00. Please view the log for more information.

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- 3. Amplifier monitor: The monitor displays the most important amplifier output parameters and has an in-built impedance monitor.
 - Voltage (RMS): RMS voltage, in volts.
 - Current (RMS): RMS current, in amperes.
 - Power (RMS): RMS power, in Watts.
 - **Z-Switch**: position of the rear panel impedance selector.
 - **Impedance**: value of the impedance at the output, in ohms.
 - Z-monitor: enables impedance monitoring at the output. If enabled, an error notification will be sent when the impedance exceeds the set thresholds or a short-circuit or open-circuit situation occurs. This functionality is also available via TP-NET, to communicate the status of the amplifier line to third parties (see chapter TP-NET Protocol for details):
 - Z-min: lower impedance threshold. 0
 - 0 **Z-max**: upper impedance threshold.

The impedance monitor is an informative tool. The protections against overcurrent situations in the amplifier are always enabled (PROTECT), regardless of whether the impedance monitor is enabled or not.

Amplifier Monitor	0
AMP OUT1	СТВУ
Voltage (RMS)	0.0 V
Current (RMS)	0.0 A
Power (RMS)	o w
Z-Switch	4 Ω
Impedance	3.0 Ω
Z monitor	

- An indicator in the upper right corner of each amplifier shows its output status:
 - **STBY**: output on Standby.
 - **0W**: output set to 0 W in Smart VersaPower.
 - **EXTM**: output affected by GPI External Mute.
 - NETM: the output belongs to a network group that is muted.
 - LOCM: the output belongs to a local group that is muted.
 - **GENM**: the output belongs to the general volume group that is muted.
 - **MUTE**: the output is muted in the audio matrix.

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8.5.6 BACKUP AND FIRMWARE

Upload and download of configuration files and backups and update of amplifier firmware.

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սե							Backup & Firmware
Preset			ſ	Backup Management			
#							
钳		1		Export Backup File	Export		
- "t				Import Backup File	Import		
Device				Load remplate	Load		
2			ſ	Firmware Management			
4				Current Firm. Version	v0.43r18		
		2]	Last Update	02/03/2023 at 08:46:14		
•			_	Check Update	Check		
				Manual Update	Load		
0				Automatic Update			
**						-	
	Register						
1.0	Settings						

1. Backup Management

A backup is a **security copy or configuration file of the device**. A replica of the status and configuration of the amplifier.

- **Export backup file:** saves a backup copy of the amplifier on the device that is running the app (e.g. computer).
- **Import backup file**: upload a backup file to the amplifier from the device that is running the app (e.g. computer).
- Load Template: loads a template. A default configuration and status for quick start-up.

Templates do not change network parameters or device settings (Settings/Device).

When a configuration file is uploaded(backup), all device parameters, including network parameters, are overwritten. Care must be taken when uploading a configuration file because access to the web app may be lost.

The configuration files are unique to each model. So a configuration file of a particular model of the VIDA series cannot be loaded into another model of the series.



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2. Firmware Management

- Reports the current firmware version of the amplifier and management of firmware updates.
 - Current Firm. Version: current version of the device.
 - Last update: date of the last update.
 - Check update: check online for recent updates.
 - Manual update: manual update
 - Automatic update: if enabled, the device will be updated automatically:
 - **Boot-up:** check if there is an update at each start-up. If an update is available, it will be installed.
 - Scheduled: scheduling the checking of updates. It will check whether there is an update at the specified interval if the device is in operation. If an update is available, it will be installed.

1. The automatic firmware check and update require an Internet connection.

It is recommended to schedule firmware updates outside the normal working hours for the device.



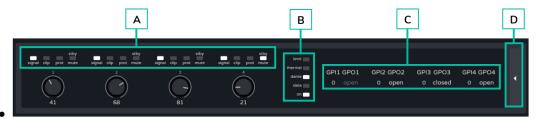
8.6 STATUS

decler	U01 : User Preset 01			VIDA-24C	-1156	Ø [🗓 Panic 🔊	~ 23 @ :
Status ets Routing	Healt S	h	Network Net 1 IP: 0.0.0 Net 2 IP: 192,168.1.142		Device odel: VIDA-24Q mware: v0.43r18	Time/i 11:34 03/03//		Power
GPOs	Sources	Amplified	Auxiliary	Digital	Local Groups	Net Groups	Genera	al Volume
	AMP OUT1		AMP OUT2		AMP OUT3		AMP OUT4	STBY
	*2 <u></u>	-3.3 dB -2 dB		-13.4 dB -12 dB	*	-21.7 dB -20 dB	*	-4.5 dB -20 dB
	Local Music							Digital Stream
Processing	Aux Input							DJ Mixer
	100V 70V							8Ω 4Ω 2Ω
Events								
Player	3.2							
Users	Sources			Digital				al Volume
Register	DIG OUT1	=@ — -5.3 dB	DIG OUT2	-2.8 dB	DIG OUT3	-6.2 dB	DIG OUT4	-5.2 dB
		-5 dB		-3 dB		-6 dB	-	-5 dB
	Local Music							Digital Stream
	Aux Input							DJ Mixer
	AMP OUT3							AMP OUT2
	AUX OUT1							AUX OUT2

Overview of amplifier status, display and control of basic parameters.

1. General

- Health: summary of the health status of the device.
- **Network:** summary of the network configuration.
- **Device:** model and firmware version of the device.
- Time/Data: time and date of the device.
- Power: ON/Sleep button.
- 2. Monitor Hardware
 - The **button on the right shows the hardware monitor view** and **display a replica of the front panel** and the status of the hardware connected to the device.



A. Indicators for presence of signal (signal), saturation (clip), protection (prot), standby (stby) and mute for each amplified output and the value set on the front panel rotary control.

- B. Indicators for limiter (limit), thermal protection (thermal), Dante™/ AES67 activity, network activity (data) and amplifier operation (on).
- C. GPIs: indicates the reading values for the GPI and GPOs: shows the status of the GPO, open or closed. If greyed out, it means that the GPO is event-driven and if lit, it means that it can be changed via presets.
- D. The button on the right returns to the overview.

For more information on the front panel of the amplifier, see chapter Functions Panels.

3. Signal monitor

- **3.1** The top selector allows you to change which signals are displayed.
- 3.2 Display and control of a signal. The picture is different depending on the group selected but all have the same layout.
 - Label: to distinguish it from other signs. Clicking on Label takes you to the configuration page.
 - Volume and VU meter for the signal.
 - **Source selected:** clicking in a source takes you to the signal routing page.
 - Impedance selector monitor: shows the impedance selected on the commutator on the rear panel.

For safety reasons, the selected impedance cannot be changed via the web app: because an unwanted change to impedance could harm the equipment.

An indicator in the upper right corner of each amplifier shows its output status:

AMP OUT1	-3.3 dB -2 dB
Local Music	Digital Stream
	DJ Mixer
100V 70V	8Ω 4Ω 2Ω
1.376	

- STBY: output on Standby.
- 0W: output set to 0 W in Smart VersaPower.
- EXTM: output affected by GPI External Mute
- **NETM:** the output belongs to a network group that is muted.
- LOCM: the output belongs to a local group that is muted.
- GENM: the output belongs to the general volume group that is muted.
- **MUTE:** The output is muted in the audio matrix.

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8.7 ROUTING

Signal routing for the amplifier.

The routing of the amplified and auxiliary outputs **is independent, and can be configured as follows**:

- **Mixer:** allows the mixing of several sources in the same output. Outputs configured as a mixer will appear in the Mixer/Matrix window.
- **Zoner:** allows the routing of sources. It is not possible to mix sources on the same output; however, a source selector is built into each output. Outputs configured as zoners will appear in the Zoner window.

Configurable matrix:

- 4x6: 4 input sources, 6 outputs (4 are amplified outputs OUT and 2 are auxiliary outputs AUX-).
- 4x4: 4 input sources, 4 amplified outputs (amplified outputs configured as mixer, auxiliary outputs configured as zoner).
- 4x2: 4 input sources, 2 auxiliary outputs (amplified outputs configured as zoners, auxiliary outputs configured as mixers).

The digital outputs always operate in zoner mode as an audio signal router.

In VIDA, there are several types of input signals:

- 4x Analogue inputs: balanced line inputs.
- 4x Digital inputs: Dante[™]/ AES67 digital audio inputs.
- 1x Audio player.
- 1x Signal generator.

A Source is the combination of two input signals, a primary and a secondary signal. There can be no secondary. In VIDA, **4 independently configurable sources are available**. Sources are the input signals to the audio matrix (mixer mode) or the sources available on the router (zoner mode).



1. Mixer/Matrix

Matrix view selector:



Single view / Full view.

Mixer View



Control + click on a fader **to reset to default value** (0dB).

Crosspoint section for the selected output. It takes on the colour assigned to the corresponding output. From top to bottom:

- Source Label.
- Pri: input_n / Sec: input_m, primary and secondary source signals. The signal currently on the source is illuminated.
- Crossover point volume control and VU meter.
- Enable/disable the crossover point at the output. Sources with the crossover point enabled are mixed at the corresponding output.

The VUs change colour depending on the signal level:

- Green: below 0dB.
- Orange: 0-18dB (headroom).
- Red: clip, above 18dB, signal saturation.



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Output selection section. From top to bottom:

- Output Label.
- Status LEDs:
 - STBY / MUTE: shows the standby status of the output (if amplified) and whether it is affected by any group or external MUTE.
 - LGRP: local group indicator. If lit, it means that the output belongs to at least one local group. Clicking on the indicator brings up the list of groups to which the output belongs; the list can be edited quickly from there.
 - NGRP: Network Group Indicator. If lit, the output belongs to at least one network group. Clicking on the indicator brings up the list of groups to which the output belongs; the list can be edited quickly from there.
 - Volume control for the output and VU meter.
 - MUTE button, to mute the output.





STBY indicator:

- STBY: output on Standby.
- 0W: output set to 0 W in Smart VersaPower.
- EXTM: output affected by GPI External Mute.
- NETM: the output belongs to a network group that is muted.
- LOCM: the output belongs to a local group that is muted.
- **GENM:** the output belongs to the general volume group that is muted.
- MUTE: The output is muted in the audio matrix.



If **both outputs are in Mixer mode**, the AUXs button appears and shows the mixer window for the auxiliary outputs.



The OUTs button on the auxiliary output mixer **returns to the mixer for the amplified outputs**.

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Matrix View





Audio sources. When an audio source is selected, its information and control are displayed on screen.

- Source Label (Source).
- **Pri: input_n / Sec:** input_m, primary and secondary source signals. The signal currently on the source is illuminated.
- Volume control for the source with • volume meter.
- MUTE button, to mute the source. •



AMP OUT1 AMP OUT2 AMP OUT3 AMP OUT4 AUX OUT1 AUX OUT2

Audio outputs. When an audio output is selected, its information and control are displayed on the screen.

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AMP OUT1 STBY LGRP NGRP -23.2 dB -39 dB

 Output section. From top to bottom:

0 ecler

- Output Label.
- Status LEDs:
 - STBY / MUTE: shows the standby status of the output (if amplified) and whether it is affected by any group or external MUTE.
 - LGRP: local group indicator. If lit, it means that the output belongs to at least one local group. Clicking on the indicator brings up the list of groups to which the output belongs; the list can be edited quickly from there.
 - NGRP: Network Group Indicator. If lit, the output belongs to at least one network group. Clicking on the indicator brings up the list of groups to which the output belongs; the list can be edited quickly from there.
- Volume control for the output and VU meter.
- MUTE button, to mute the output.



Crossover points. When a crossover point is selected, its information and control are displayed on the screen, as well as the information and control for the source and output for that crossover point Web

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- Crossover point volume control and VU meter.
- Enable/disable the crossover point.

Double click on a crossover point to enable/disable it.



Crossover point disabled



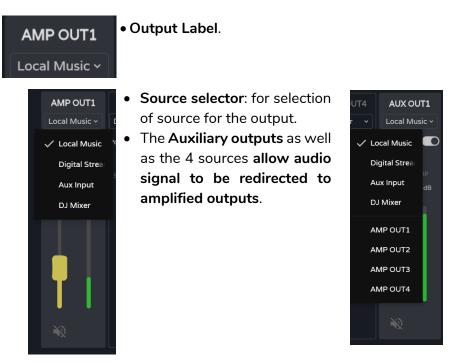
Crossover point enabled

2. Zoner

Outputs configured as Zoner.

A group of outputs (OUTs or AUXs) configured as a Zoner are not available in the Mixer/Matrix tab.

Audio outputs, top to bottom:





AUX OUT1	AUX 0012
Local Music ~	Digital Strear 🗸
Post Fader	Post Fader
LGRP NGRP	LGRP NGRP

• Post/pre fader control.

- If the post fader is enabled, the signal is sent to the output after processing and after the fader for the selected input signal.
- If the post fader control is disabled, the signal is sent to the output after processing or afterwards (selectable by the post DSP control) and prior to the fader for the selected input signal.

STBY LGRP NGRP LGRP NGRP

Status LEDs:

- STBY / MUTE: shows the standby status of the output (if amplified) and whether it is affected by any group or external MUTE. Exclusive for amplified outputs.
- LGRP: local group indicator. If lit, it means that the output belongs to at least one local group. Clicking on the indicator brings up the list of groups to which the output belongs; the list can be edited quickly from there.
- NGRP: Network Group Indicator. If lit, the output belongs to at least one network group. Clicking on the indicator brings up the list of groups to which the output belongs; the list can be edited quickly from there.



- Volume control for the output and VU meter.
 - MUTE button, to mute the output.

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3. Services

Routing of Dante[™]/ AES67 digital audio outputs.

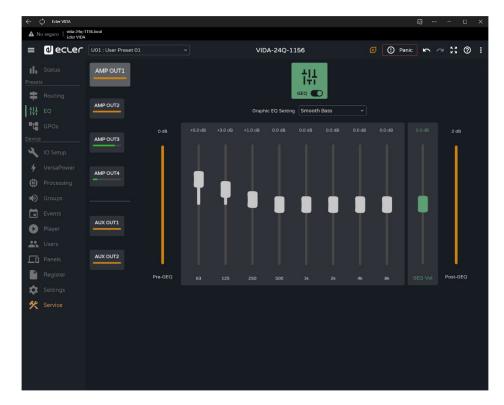


Digital audio outputs, top to bottom:

- Output Label.
- Post/pre fader control.
 - If the **post fader is enabled**, the signal is sent to the **output after processing** and after the fader for the selected input signal.
 - If the post fader control is disabled, the signal is sent to the output after processing or after (selectable by the post DSP control) and prior to the fader for the selected input signal.
- Status LEDs:
 - LGRP: local group indicator. If lit, it means that the output belongs to at least one local group. Clicking on the indicator brings up the list of groups to which the output belongs; the list can be edited quickly from there.
 - NGRP: Network Group Indicator. If lit, the output belongs to at least one network group. Clicking on the indicator brings up the list of groups to which the output belongs; the list can be edited quickly from there.
- Volume control for the output and VU meter.
- MUTE button, to mute the output.

8.8 EQ (EQUALIZER)

Graphical user equaliser.



Independent 8-band graphic equaliser (GEQ) for each amplified and auxiliary output.

- The GEQ settings for each output can be saved and recalled via presets.
- It can be added as an equalisation control in the user panels, per output.



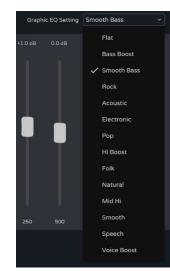


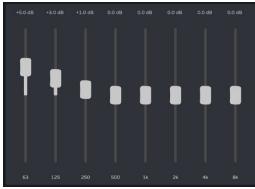
Enables or disables (bypasses) GEQ for the selected output.

- Changes made to the GEQ are applied in realtime.
 - If GEQ is disabled on an output, it cannot be edited.



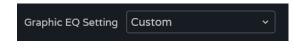
Output selection: the selected output is larger and brighter than the others.





GEQ preset selection.

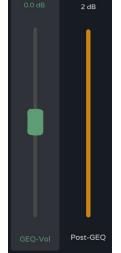
If any of these settings of these settings is changed it is displayed in the GEQ as "custom", to indicate a custom setting.



Adjusting gain for the GEQ bands.

• Adjust between positive 12dB and negative 12dB.

- 0 dB
- Pre-GEQ level indicator.
- GEQ **level adjustment**: positive 12dB to negative 12dB.
- **Post-GEQ level** and post-level adjustment indicator(GEQ-Vol).



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8.9 GPOS

Status of contact closures, GPOs.

The status of the GPOs (open/closed) on this page can be saved and retrieved via presets.

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No seguro vida-24q-11 Ecler VIDA	56.local				
≡ 0ecler	U01 : User Preset 01 ~	٧	'IDA-24Q-1156	g (() Panic 🗠 🖓 😯 🗄
Presets	GPO1 Event Mode	GPO2		GPO3	GPO4
Routing	open	closed		open	open
다. 1부 EO					
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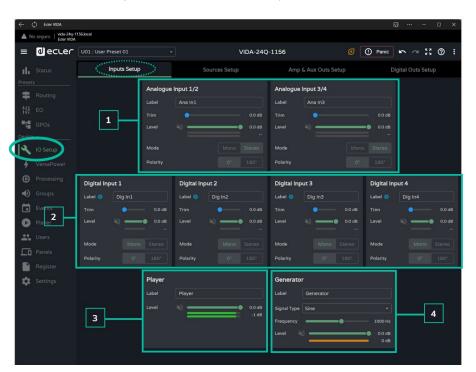
- 1. GPO configured as an event GPO.
 - The status of the GPO is event-driven.
 - Its status cannot be changed from this page so that a particular state cannot be retrieved via presets.
- 2. GPO closed.
- 3. OpenGPO .

8.10 IO SETUP (INPUT AND OUTPUT SETUP)

Configuration of inputs and outputs for an amplifier.

8.10.1 INPUTS SETUP

Adjustment of the audio inputs available on an amplifier.



1. Analogue inputs

Adjustment of the 4 balanced analogue line inputs.

- Label: label for an input.
- Trim: digital gain adjustment, 0-12dB.
- Level: adjustment of signal level, mute and VU.
- Mode: selection of mono or stereo mode.
- **Polarity**: selection of the polarity of the signal.

Stereo signals:

- Only adjacent signals can be configured as a stereo pair.
- The odd signal configuration will be applied to the stereo pair.
- When undoing stereo, the odd signal keeps the stereo pair configuration and the even signal has the configuration it had in mono.
- A stereo pair is displayed as a single input/output.
- The amplifier performs the routing of a stereo signal automatically. Like this: if a stereo signal is sent to a mono output, the stereo sum will be sent; and if a mono signal is sent to a stereo output, the same signal will be sent to both outputs.

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2. Digital inputs

Adjustment of the 4 Dante[™]/ AES67 digital audio inputs. The Dante[™]/ AES67 Controller app is required for the configuration and routing of Dante[™]/ AES67 audio signals.

- Label: label for an input. The information icon ^U shows how to create labels compatible with the Dante[™]/ AES67 Controller app.
- Trim: digital gain adjustment, 0-12dB.
- Level: adjustment of signal level, mute and VU.
- Mode: selection of mono or stereo mode.
- **Polarity**: selection of the polarity of the signal.

3. Player

Internal audio player settings.

- Label: label for an input.
- Level: adjustment of signal level, mute and VU.

The **player's signal** is **stereo**.

4. Generator

Signal generator settings, for testing and adjustment during commissioning of the AV system.

- Label: label for an input.
- Signal Type: selection of test signal type.
- **Frequency:** selection of the frequency of the test signal. Available when a Sine type signal is selected.
- Level: adjustment of signal level, mute and VU.

The generator signal is mono.

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8.10.2 SOURCES SETUP

Adjustment of the amplifier's audio sources.

A Source is the combination of a primary input signal and a secondary (optional) input signal.

	d ecrer	U01 : User Pr	eset 01			VIDA	-24Q-1156	ତ	() Panic	r ~ ∷ @
		Ir	nputs Setup		S	ources Setup	Amp	& Aux Outs Setup	Dig	ital Outs Setup
ets		Source 1		=	Source 2		Source 3		Source 4	
Ļ		Label	Local Music		Label	Digital Stream	Label	Aux Input	Label	DJ Mixer
		Prim. Input	Player	~	Prim. Input	Player	- Prim. Input	Ana In1 ~	Prim. Input	Ana In2
		User Range	-120	• -7	User Range	-120	0 User Range	-120 • • • 0	User Range	-120
-0-	IO Setup	Sec. Mode		Backup	Sec. Mode		up Sec. Mode		Sec. Mode	
•		Prim./Sec.	Priority Mo	ode 🌑	Prim./Sec.	Backup Mode 🌘	Prim./Sec.	Priority Mode	Prim./Sec.	Priority Mode 🔵
	VersaPower	Sec. Input	Dig In1	~	Sec. Input	Dig In2	 Now playing 		Now playing	Prima
		Sec. Thresh.	-40 dB	~	Prim. Thres.	-40 dB				
)		Hold	Normal (1 s)	~	Hold	Normal (30 s)				
]		Now playing		Primary	Now playing					
)										
i										

- Label: label of the source.
- **Prim. Input:** selection of the primary input signal.
- User Range Volume limits set by the user via user panels.
- Sec. Mode: operating mode of the secondary signal
 - **Priority:** the secondary signal has priority. The secondary signal will be swapped with the primary signal when a signal is detected on the secondary signal.
 - **Backup:** the primary signal has priority. The secondary signal will be swapped with the primary signal when no primary signal is detected.
- **Prim./Sec:** If this function is enabled, the priorities defined in this section are set.
- Now playing: indicates the signal present at the source (primary or secondary).
- **Priority:** configuration of a source with a secondary priority signal.



The secondary signal will be exchanged with the primary signal, when the secondary signal exceeds the set threshold(Sec. Threshold). When the secondary signal is again below the threshold, for the time set (Hold), the primary signal will again be present at the source.

Select a higher Hold time to extend the priority time window. For example, in a spoken message pauses cause the primary signal to return.

• **Backup:** the secondary signal will be swapped with the primary signal, when the primary signal is below the set threshold (Prim. Threshold), and held for the specified time (Hold). When the primary signal is again above the threshold, the primary signal will again be present at the source.

Select a higher Hold time to extend the time window before input of the backup signal to the source. For example, in a music programme with high dynamic range some passages cause the secondary signal to be introduced.

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8.10.3 AMP & AUX OUTS SETUP

0 ecter	U01 : User Pre	eset 01			VIDA-2	4Q-1156		() Panic	∽ ~ X Ø
	In	puts Setup			Sources Setup		& Aux Outs Setup	Di	igital Outs Setup
ets					Outț	put Routing			
Routing 1					Amplified Outs				
EQ					Auxiliary Outs				
GPOs				_				-	
	Amplified (Amplified	Output 2 -	- Amplified	Output 3	Amplified	Output 4
IO Setup	Label	AMP OUT1		Label	AMP OUT2	Label	AMP OUT3	Label	AMP OUT4
VersaPower	Gain			Gain		Gain			
Processing	User Range		•••		-120		-120 •		-120 • 0
_{Groups} 2	Mode			Mode		Mode		Mode	
Events	Polarity			Polarity		Polarity		Polarity	
) Player	HPF	OFF		HPF	20 Hz 、	HPF	20 Hz ~	HPF	20 Hz ~
	Color	#CABE5	2	Color	#D09157	Color	#459BCB	Color	#5F9E74
Users		Г	Auxiliary C	Sutput 1		Auxiliary	Output 2		1
			Label			Label			
		.	User Range			0 User Range		• •	
	3		Mode						
			Polarity			Polarity			
					#C8C8C8			сасаса 🚺	
			Color		#C8C8C8	Color	#(

Adjustment of the amplified outputs and auxiliary outputs of the amplifier.

1. Output routing: selection of the routing mode for the amplified and auxiliary signals

Output Routing							
Amplified Outs							
Auxiliary Outs							

Mixer

- Allows mixing of several sources on the same output.
- o Control of level of sources, crossover points and outputs.
- Outputs configured as a mixer will appear in the Mixer/Matrix window.
- Zoner
 - Allows routing of sources. 0
 - It is not possible to mix sources on the 0 same output.
 - Source selector on each output.
 - o Allows you to manage the level of outputs.
 - Outputs configured as zoners will appear 0 in the Zonerwindow.

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2. Amplified Output: settings for the 4 amplified outputs .

Amplified Output 1 •						
Label	AM	AMP OUT1				
Gain						
User Range	-120	•—	-•			
Mode						
Polarity						
HPF	OFF					
Color		#CABE5	2			

- Label: output label.
 - Gain: Amplifier gain at the output.
 - **Disabled: option disabled** if the Smart VersaPower function is enabled.

• Gain options.

Gain	34 dB		Gain
User Range	-1 28 0	dB	n
Mode	30 (dB	
Polarity	32 (dB	
HPF	4 34 0	dB	
Color	36 (dB	
	38 (dB	
	40 (dB	
			Л

If the Smart VersaPower tool is not used, use the limiters available in the processing section to not damage the equipment.

- User Range. Volume limits set by the user via user panels.
- Mode: selection of mono or stereo mode.
- **Polarity**: selection of the polarity of the signal.
- HPF: selection of the high-pass-filter frequency. Always enabled when the output is configured as 100/70 V line output.
- Colour: allows assignment of a colour to an output.

Related events

Outputs can be controlled by events, either physical controls (rotary controls, GPIs...), virtual controls (panels) or automations (calendar events).

If any outputs are associated with an event, the following automatic settings are made when switching mono or stereo mode:

• Mono to stereo output: Events related to the odd output are maintained, with the stereo pair configured as the event output. Events related to the even output are maintained, with no output assigned.

Stereo to mono output: Events related to the stereo pair are maintained, with the odd output configured as the event output. Does not apply to even output.

We recommend reviewing event configuration when there is a configuration change on the outputs (mono to stereo, or stereo to mono) and the outputs have associated events.

3. Auxiliary Outputs: settings for the two balanced auxiliary line outputs .

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- Label: label for the output.
- User Range Volume limits set by the user via user panels.
- Mode: selection of mono or stereo mode.
- **Polarity:** selection of the polarity of the signal.
- Colour: allows assignment of a colour to an output.

8.10.4 DIGITAL OUTS SETUP

Adjustment of the 4 Dante[™]/ AES67 digital audio outputs.

In the Dante[™] Controller app is required for the configuration and routing of Dante[™] audio signals.

No	seguro vida-24q-1 Ecler VIDA	- John Car											
■	d ecrer	U01 : User Pr	eset 01			VID	A-24Q-	1156				5 2 5	
ili i		I	nputs Setup		S	ources Setup		Amp	& Aux Outs S	etup	Di	gital Outs Set	up
esets		Digital Out	tput 1	-	Digital Out	tput 2	-	Digital Out	tput 3		Digital Ou	tput 4	-
† 1		Label 🕦	DIG OUT1		Label 🕕	DIG OUT2		Label 🕕	DIG OUT3		Label 🕕	DIG OUT4	
다. 나		User Range	-120	• •	User Range	-120		User Range	-120	 0	User Range	-120 🔵	_ • o
ta (Mode			Mode			Mode			Mode		
vice		Polarity			Polarity			Polarity			Polarity		
ς Ι	O Setup	Color	#73C5BB		Color	#9552CA		Color	#D091	57	Color	#73C5	зв
4	VersaPower												
Ö:													
()													
<u> </u>													
_													
-													
0													

- Label: output label. The information icon ^U shows how to create labels compatible with the Dante[™]/ AES67 Controller application.
- User Range: Volume limits set by the user via user panels.
- Mode: selection of mono or stereo mode.
- Polarity: selection of the polarity of the signal.
- Colour: allows assignment of a colour to an output.



8.11 VERSAPOWER

VersaPower is the amplifier technology developed by Ecler which allows asymmetrical power distribution between the amplified outputs, independent of the load.

The Smart VersaPower tool allows you to limit the maximum power delivered at each amplified output and adjust gain automatically. The maximum power of the amplifier can be distributed asymmetrically between the outputs.

Specify the sensitivity of an audio input and set the desired maximum RMS power for each amplified output.

The sum of the maximum RMS power for the four amplified outputs (Total power used) may not exceed the maximum total power of the amplifier.

Enabling Smart VersaPower disables the gain adjustment in the IO Setup section for the outputs.

Smart VersaPower is enabled by default, configured as a symmetrical amplifier, 4x600W, for inputs with 0dB sensitivity.

((() Ecler VIDA							ລາ …	– o x	
	lo seguro vida-24q-1 Eder VIDA	156.local								
=	d ecter	U01 : User Preset 01			VIDA-24Q-	1156		🕐 Panic 🗠 🖉	≃ \$\$ ② :	
Preset				1	Smart Ve	rsaPower				
#				2	Calco					
밵	EQ GPOs	AMP OUT1	STBY	AMP OUT2	STBY	AMP OUT3	STBY	AMP OUT4	STBY	
Device		NQ — ——		*2	0.0 dB	N2		N2	-31.4 dB	
2	IO Setup	Pre-Amp								_
14	VersaPower	100V 70V							8Ω 4Ω 2Ω	3
17		Sensitivity		Sensitivity		Sensitivity		Sensitivity	О dB	
		Max RMS Power		Max RMS Power		Max RMS Power		Max RMS Power	600 W	
		Max Peak Power		Max Peak Power		Max Peak Power		Max Peak Power	1200 W	
		Gain		Gain		Gain		Gain	33.8 dB	
0					-					
		00		OUT		OUTS		OUT4		
_	Panels	Total Used Power: 240	ow		Available F	ower: 0 W		Total M	Max Power: 2400 W	
- 22										

1. Smart VersaPower configuration

Enables/disables the Smart VersaPower tool.

When enabled, it can be reconfigured. By default, it is enabled. If disabled, note that the gain setting for the outputs will return to the value before Smart VersaPower was enabled. That is, 34dB for each output if unmodified (default values).

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2. Calculate: Button for resetting the Smart VersaPower settings.

Button available if Smart VersaPower is enabled.

The button opens a window to reconfigure the parameters.

AMP OUT1		AMP OUT2		AMP OUT3		AMP OUT4		
Sensitivity	O dB v	Sensitivity	O dB v	Sensitivity	-6 dB ~	Sensitivity	6 dB ~	
Max RMS Power	600 W	Max RMS Power	300 W	Max RMS Power	300 W	Max RMS Power	1000 W	
	OUT1	OUT2	OUT3		OUT4			
Fotal Used Powe	r: 2200 W		Available Po	wer: 200 W		Total I	Max Power: 2400 W	

- A. Configuration of parameters for an output:
 - Impedance selector indicator on the rear panel, to display the status of the impedance selector.
 - Sensitivity: selection of the sensitivity of the input signal to the amplifier.
 - Max RMS Power: setting of the maximum power delivered by an amplified output. The value must be between 0 W and the maximum power of the amplifier. The sum of the power of the 4 outputs may not exceed the maximum power of the amplifier.
- B. Indicates the power used across the 4 channels.
- **C.** Cancel: cancels the configuration. Smart VersaPower will remain disabled and no changes will be applied.

Apply: **applies the changes made** to the Smart VersaPower configuration. If there is an error, e.g. exceeding the maximum power, it will not let you continue.

3. VersaPower Smart Monitor

Displays the current status of the Smart VersaPower configuration.

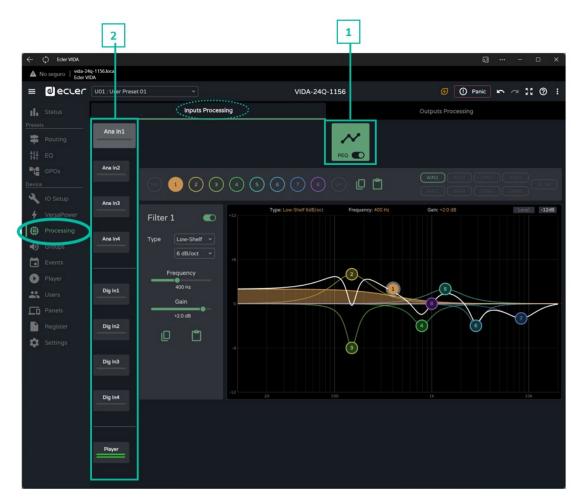
- **VU for the amplified output**: Clicking on a value shows different measurements of the signal before and after the amplifier.
- Settings:
 - Sensitivity: selected sensitivity.
 - Max RMS Power: maximum power that can be delivered by an output.
 - Max Peak Power: maximum peak power at an output. Not editable.
 - Gain: gain applied to the output to obtain the indicated power value.

8.12 PROCESSING

8.12.1 INPUTS PROCESSING

Processing of amplifier input signals.

The processing of the inputs, analogue, digital and audio player, is **independent for each** of them.



1. Parametric Equaliser (PEQ): Two crossover filters and eight fully configurable filters.



¥

Module selected and enabled.

Changes made in processing are applied in real time.



Module **selected and disabled**.

If a **module is disabled** on an output, **it cannot be edited**.



Module enabled, not selected.

Module not selected and disabled.



Selector to enable/disable (bypass) the processing module.

2. Inputs



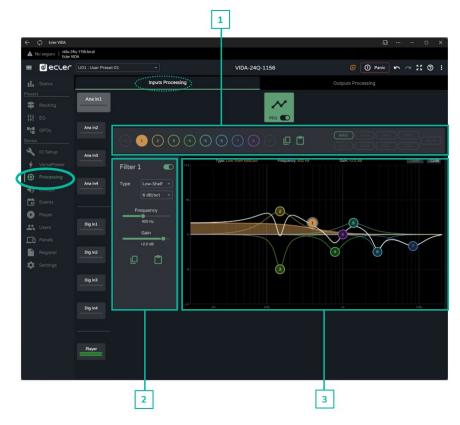
Input selection: the selected input stands out from the rest, larger and brighter.

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	ng Ever	Groups
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-		Panels
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8.12.1.1 PEQ INPUTS

Parametric Equaliser (PEQ) with 10 filters (2 crossover and 8 configurable) independent for each of the analogue, digital and audio player inputs. .



1. Filter selector and equaliser curve



Filter selector. Allows selection of PEQ filters for display and parameter setting.

Filter selected and enabled.

Filter selected and disabled.



Filter not selected and enabled.

Filter not selected and disabled.

Copy and paste equalisation curve: allows you to replicate the 10 filter settings on different outputs



Allows the display of the equalisation curves for the different inputs.

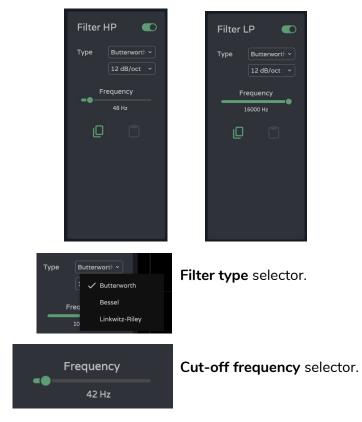


Web нw WebGUI Connection **WebGUI** Home & Updates PRECAUTIONS Login PACKAGE CONTENTS Navigation Settings Status В DESCRIPTION (FEATURES Routing Inputs/Outputs Setup œ GPOs **INSTALL & CONNECT** VersaPower Processing Groups **START-UP & OPERATION** Player PANEL FUNCTIONS TP-NET Protocol APP **TECHNICAL DATA**

2. Parameters for a filter

Filter 1							
Type Bell ~	election of filter type :	нw	لاebGUI Connection				
C Low-Shelf G High-Shelf Low-Pass High-Pass All-Pass 1	 Bell Low-Shelf High-Shelf Low-Pass High-Pass All-Pass 						
Frequency 95 Hz Filter central frequency selector.							
Gain Filter gain selector.							
	Iter Q-factor selector.	DESCRIPTION FEATURES	EQ Inpu				
	llows copying and pasting of filter arameters	ion & Res	Inputs/Outputs S				

Parameters for a filter: Crossovers



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WebGUI Connection

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WebGUI Home & Updates

Graphic editing and visualiser 3.

aphic editing and visualiser		
Type: Bell Frequency: 95 Hz Gain: +4.0 dB Q: 5.0	Information on the current parameters for the selected filter.	нw
Level	Level button: displays the EQ curve with the level set for an output.	PRE
-12dB	 Scale adjustment: modifies the gain axis (dB) for the graphical representation of the EQ curve. -12dB: between +12dB and - 	PRECAUTIONS
	 12dB -30dB: between +18dB and - 30dB -60dB: between +18dB and - 60dB 	PACKAGE CONTENTS
	 Filter selected: Up/Down: modifies the gain. Left/right: changes the frequency. 	DESCRIPTION FEATURES
	Scrolling (mouse wheel): modifies the Q-factor.	¢
		INSTALL & CONNECT
		START-UP & OPERATION

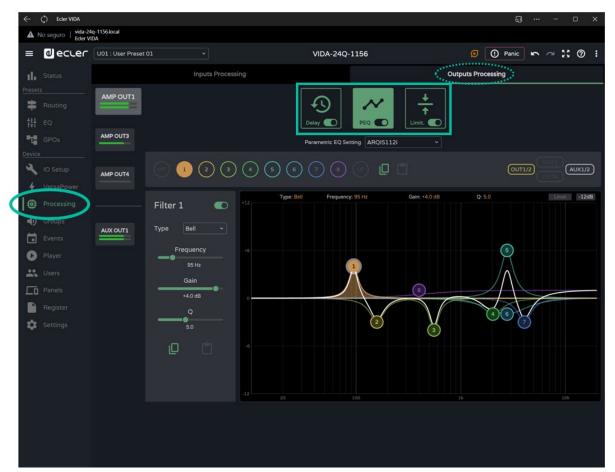
TECHNICAL DATA

8.12.2 OUTPUTS PROCESSING

Processing of amplifier output signals.

The processing of the amplified and auxiliary outputs **is independent for each one**. It consists of the following modules:

- Delay: delay settings.
- Parametric Equaliser: Two crossover filters and eight fully configurable filters.
- Limit: limiter



Processing Modules.



Management of processing modules. It allows the selection of modules for display and configuration of parameters and enables and disables the module quickly without having to open the settings page.

ecler Ð



Module selected and enabled.



Changes made in processing are applied in realtime.

If a module is disabled on an output, it cannot be edited.



Module selected and disabled.



1



Module enabled, not selected.



Module not selected and disabled.



Selector to enable/disable (bypass) the processing module.



Output selection: the selected output is larger and brighter than the others.



8.12.2.1 DELAY

Output signal delay.

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≡ Øecter	U01 : User Preset 01 ~		VIDA-24Q-1156			11 @ i
Status	Inpu	s Processing		Outputs Processin	g	
Presets 루 Routing 대 EQ	AMP OUT1					
GPOs	AMP OUT3		Delay units Milliseconds	Α		
Device IO Setup MecsaRower	AMP OUT4	-	0-1ms 0-1000ms	B]	
Processing						
Events	AUX OUT1					
Users						
Register						
🔅 Settings						



Selection of units:

- Milliseconds: setting 0-1000 ms.
- Metres: adjustment 0-343 m.

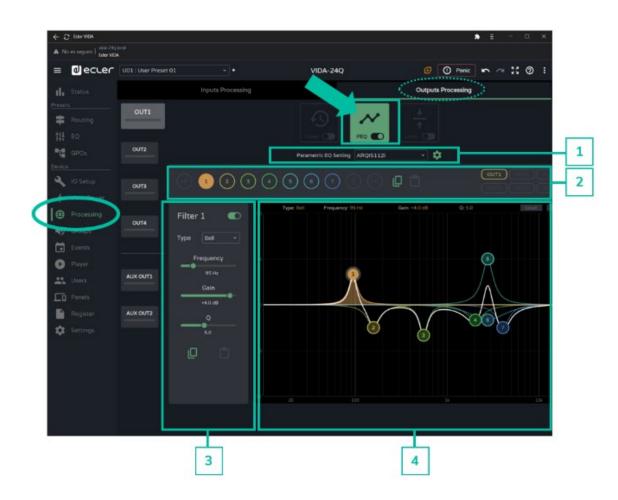


Delay setting, by fader or by entering a numerical value:

- Fine adjustment: 0-1 ms, allows delay adjustment with an accuracy of 0.021 ms.
- **Coarse** adjustment: 0-1000 ms, allows a delay adjustment with an accuracy of 1 ms.

8.12.2.2 PEQ OUTPUTS (PARAMETRIC EQUALIZER OUTPUTS)

It allows the selection of parametric equalisation presets, of 10 filters (2 crossover and 8 configurable) independent for each amplified and auxiliary output.

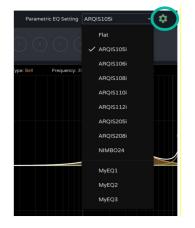


The PEQ configuration of each output is saved in the device settings. It is not saved in the user presets unlike the user GEQ.

The user GEQ is placed after the PEQ but before the Limiter in the processing chain.



1. Parametric EQ Setting: parametric equalisation preset selection.



- The "Flat" setting resets all filters to their default values.
- Changes to settings are shown in the PEQ as "custom".



Management of user equalisation curves

Allows you to manage user equalisation curves: save, delete, rename, import and export.



- Save custom equalisation curves:
 - Make the desired EQ settings for an output.
 - o Click on the settings icon to open the "Custom EQ Settings" dialogue box.
 - Click on the "+ New EQ Setting" button.
 - Rename it with a unique name.
 - Click on the "Save" button 0



- You can save as many EQ curves as you wish.
 - The saved EQ curves will be available in the EQ load list.
 - To delete an EQ curve, click on it and then click on the "delete" icon. It will no longer be available from the list of EQs.

The factory equalisation curves cannot be changed.

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• Exporting and importing custom EQ curves

A EQ name	Enabled Type	C D Frequency	Gain	Q	 Export: click on the "Export" button 1
2 MyEQ1	0	15 1000.00	0.00	1.00	
3 MyEQ1	1	1 95.00	4.00	5.00	
4 MyEQ1	1	1 158.00	-3.00	3.00	download a CSV containing a
5 MyEQ1	1	1 555.00	-4.00	5.00	doffinedd d oof doffannig
6 MyEQ1	1	1 2030.00	-2.00	2.00	
7 MyEQ1	1	1 2770.00	6.00	4.00	custom EQ curves.
8 MyEQ1	1	1 2770.00	-2.00	1.00	
9 MyEQ1	1	1 4050.00	-3.00	3.00	
0 MyEQ1	0	14 1000.00	0.00	1.00	
11 MyEQ1	0	14 16000.00	0.00	1.00	- Imparts did on the "Export" or
12 MyEQ2	0	15 1000.00	0.00	1.00	$_{\pm}$ \circ Import: click on the "Export" ar
13 MyEQ2	1	1 360.00	3.00	1.00	
14 MyEQ2	1	1 1970.00	-2.00	5.60	adapt a valid EO CCV file Fith
15 MyEQ2	1	1 3440.00	2.00	1.00	select a valid EQ CSV file. Eith
16 MyEQ2	1	1 5000.00	-1.00	3.00	,
17 MyEQ2	0	1 1000.00	0.00	1.00	
18 MyEQ2	0	1 1000.00	0.00	1.00	 exported from another VIDA device
19 MyEQ2	0	1 1000.00	0.00	1.00	
0 MyEQ2	0	14 1000.00	0.00	1.00	
21 MyEQ2	0	14 16000.00	0.00	1.00	or manually modified.
22 MyEQ3	0	15 1000.00	0.00	1.00	or manually mouniou
23 MyEQ3	1	1 300.00	3.00	1.00	
24 MyEQ3	1	1 1310.00	4.00	5.60	
25 MyEQ3	1	1 3630.00	7.00	14.00	
26 MyEQ3	1	1 6030.00	2.00	1.00	
27 MyEQ3	0	1 1000.00	0.00	1.00	
28 MyEQ3	0	1 1000.00	0.00	1.00	
29 MyEQ3	0	1 1000.00	0.00	1.00	
30 MyEQ3	0	14 1000.00	0.00	1.00	
31 MvEQ3	0	14 16000.00	0.00	1.00	

The imported EQ curves replace the existing ones.

Information for manual editing of EQ CSV files

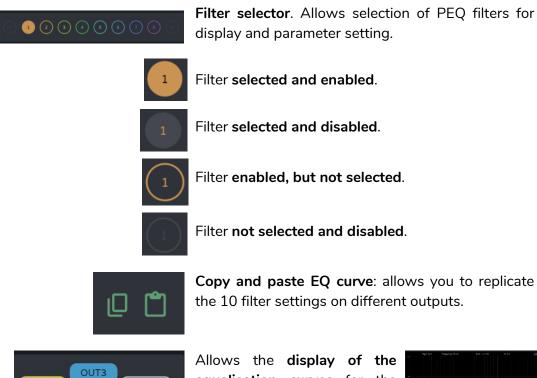
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Filter Type					
0	Bypass				
1	Bell				
2	Low-Shelf 6dB/oct				
3	Low-Shelf 12dB/oct				
4	High-Shelf 6dB/oct				
5	High-Shelf 12dB/oct				
6	Low-Pass 6dB/oct				
7	Low-Pass 12dB/oct				
8	High-Pass 6dB/oct				
9	High-Pass 12dB/oct				
10	All-Pass 1				
11	All-Pass 2				
12	Low-pass Butterworth 6dB/oct				
13	High-pass Butterworth 6dB/oct				
14	Low-pass Butterworth 12dB/oct				
15	High-pass Butterworth 12dB/oct				
16	Low-pass Butterworth 18dB/oct				
17	High-pass Butterworth 18dB/oct				
18	Low-pass Butterworth 24dB/oct				
19	High-pass Butterworth 24dB/oct				
20	Low-pass Bessel 12dB/oct				
21	High-pass Bessel 12dB/oct				
22	Low-pass Bessel 18dB/oct				
23	High-pass Bessel 18dB/oct				



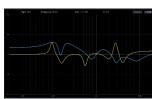
24	Low-pass Bessel 24dB/oct
25	High-pass Bessel 24dB/oct
26	Low-pass LinkwitzRiley 12dB/oct
27	High-pass LinkwitzRiley 12dB/oct
28	Low-pass LinkwitzRiley 24dB/oct
29	High-pass LinkwitzRiley 24dB/oct

2. Filter selector and equaliser curve





Allows the **display of the** equalisation curves for the different outputs.



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3. Parameters for a filter

Filter 1	Filter name and button to enable/disable the filter.
Type Bell Free Free Low-Shelf Low-Pass High-Pass 1 All-Pass 2	Selection of filter type: • Bell • High-Shelf • Low-Shelf • High-Pass • Low-Pass • All-Pass
Frequency 95 Hz	Filter central frequency selector .
Gain +4.0 dB	Filter gain selector .
Q 5.0	Filter Q-factor selector .
e i	Allows copying and pasting of filter parameters

Parameters for a filter: Crossovers



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4. Graphic editing and visualiser:

Editing filter parameters represented graphically.

Type: Bell	Frequency: 95 Hz	Gain: +4.0 dB	Q: 5.0
			evel
		_	ever
		-1	2dB

Information on the current parameters for the selected filter.

Level button: **displays the EQ curve** with the level set for an output.

Scale adjustment: modifies the gain axis (dB) for the graphical representation of the EQ curve.

- $\circ~$ -12dB: between +12dB and -12dB
- -30dB: between +18dB and -30dB
- -60dB: between +18dB and -60dB



Filter selected:

- Up/down: modifies gain.
- Left/right: Changes the frequency.
- Scrolling (mouse wheel): modifies the Q-factor.

8.12.2.3 LIMITERS

RMS and peak output signal limiters.

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de			Inputs Proc	cessing			Outputs Processing	
Prese		AMP OUT1				~ ÷		
ţţţ					Delay 🌑 🛛 P	EQ		
Devic		AMP OUT3	Configuration for AMP C	UT1	Limiter Settings	Custom ~		
2		AMP OUT4	Levels			•		
.4	VersaPower		Gain Level	33.8 dB	Threshold Auto Att&Rel			3 dB
	Processing)	Pre-lim Level Post-lim	5 dB	Attack	10.0m		- 1
	Groups	AUX OUT1	Reduction	• 3 dB	Release 🌘 🚥	300m		
			Configuration for AMP C	UT2 (⊖ Limiter Settings	Custom ~		Limit.
		AUX OUT2	Levels		RMS Limiter	•		
			Gain			-3 d		3 d₿
			Level	7 dB	Auto Att&Rel	10.0m		
			Post-lan Reduction	5 dB 3 dB	Attack •	10.0m 300m		
- 0			Reduction	- 300	nereuse	30011		
			Limiters Monitoring					
			AMP OUT1		UT2 518	AMP OUT3	STBY AMP O	
			Level	5 dB Level		a Level	Level	
			Reduc.	3 dB Reduc.	• 3 df	3 Reduc.	0 dB Reduc.	0 dB

1. Configuration of limiters

If an output is set to stereo, the limiters for the paired outputs are displayed on the same page.

By default, when configuring two stereo outputs, the limiters of those outputs are linked; any modification of the parameters of the limiter for one output also applies to the other output. **The link can be undone, to independently configure the** stereo output **limiters**, without affecting routing.

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Stereo output limiter link button.

Limiter Settings	Custom	
MS Limiter	None	
reshold	ARQIS105i	3
to Att&Rel	ARQIS106i	
tack 🛛 🔵 🛁	ARQIS108i	
lease 🌘 🗕	ARQIS110i	00
Limiter Settings	ARQIS112i	
	ARQIS205i	
MS Limiter	ARQIS208i	
		-

Limiter Settings: automatic limiter setting selection.

- The "None" setting sets all limiters to their default values.
- Any changed setting is shown in the combo box as "custom".

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Levels	STBY
Gain	33.8 dB
Level Pre-lim	 8 dB
Level Post-lim	 5 dB
Reduction	 3 dB

Monitoring of levels of an output:

- Gain: gain for the output.
- Level pre-lim: Output level prelimiter, before reduction.
- Level post-lim: output level post-limiter after reduction.
- Reduction: reduction of output signal

 RMS Limiter
 Image: Constraint of the shold

 Threshold
 -3 dB

 Auto Att&Rel
 Image: Constraint of the shold

 Attack
 Image: Constraint of the shold

 Release
 Image: One shold



Output signal limiter settings (RMS):

- Threshold: threshold for the RMS signal at which the limiter starts to act.
- Auto Att&Rel: automatic attack and release settings. If this option is disabled, manual adjustment is possible.

Output signal limiter (Peak) settings:

- Threshold: threshold of the peak signal, at which the limiter starts to act.
- Auto Att&Rel: automatic attack and release settings. If this option is disabled, manual adjustment is possible.

The RMS and peak limiter settings are independent, they can be enabled independently.

2. Monitoring limiters



Monitoring of the levels of the four outputs and their reduction.

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8.13 GROUPS

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Configuration of the local groups and network groups for the device.

- An output can belong to several different groups: local, general and network.
- If an output belongs to different groups, its volume will be affected by the different volume controls of the groups.

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		Local Groups)	General Volume		Net Groups
Prese		Loc	al Group 1	Local Group 2	Local Group 3	Local Group 4
111			0.0 dB	🔌 🗕 О.0 dB	🔬 🗕 🛑 0.0 dB	NO dB
Device			•• 0 #C573B3	-120 • • • 0 #C573B3	-120 • • • 0 #C573B3	-120 • • 0 #C573B3
2						
4		OUT1/2: AMP OUT1				())
	Groups	OUT3: AMP OUT3 OUT4: AMP OUT4				
	Events					
0		AUX1/2: AUX OUT1				
*						^
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		DOUT2: DIG OUT2 DOUT3: DIG OUT3				
\$		DOUT4: DIG OUT4		ē		0

1. Local Groups:

VIDA has **four local** volume control **groups**, source selection and graphic equalisation.

Group volume controls are placed after the output volume controls and before the General Volume control in the processing chain.

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	Gro	oup configu
Local Group 1	0	Label: gro
NGRP	0	NGRP: N
🔌 🗕 0.0 dB		means the
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#C573B3		indicator
		which the
Local Group 1		edited qui
NGRP	0	Volume c
NGRP0: Net Group 1	0	User Ran
-120 • NGRP1: Net Group 2 0		via user p
NGRP2: Net Group 3	0	Colour: a
NGRP3: Net Group 4		the group

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- oup label.
- letwork Group Indicator. If lit, it at the group belongs to at least work group. Clicking on the brings up the list of groups to e output belongs; the list can be ickly from there.
- control and group mute.
- ge. Volume limits set by the user anels.
- llows assignment of a colour to Э.



Assigning outputs to a local group.

Each column corresponds to a group: all outputs enabled in the same column belong to the same group.



Output groups can be expanded or collapsed.

2. General Volume:

Local volume control group for the amplified outputs.

Differences between General Volume and a local group:

- Group volume controls are placed after the output volume controls and before the General Volume control in the processing chain.
- The general volume group is local, it cannot belong to a network group.
- It is exclusive to the amplified outputs.

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Group configuration:

- o Label: group label.
- Volume control and group mute.
- **User Range**. Volume limits set by the user via user panels.
- **Colour**: allows assignment of a colour to the group.

OUT	
OUT1/2: AMP OUT1	
OUT3: AMP OUT3	
OUT4: AMP OUT4	

Assignment of outputs to the general volume group.

3. Net Groups

VIDA has four volume control network groups. The network groups do not have source selection and equalisation. Network groups allow control of volume for several outputs belonging to different devices simultaneously.

- The group volume controls are located at the end of the processing chain.
 - An output can belong to several network groups.
 - If an output belongs to different groups, its volume will be affected by the different volume controls of the network groups.
 - There is a maximum of four network groups per amplifier group (Group ID).
 - Groups are shared by all devices that are on the same network and belong to the same amplifier group (Group ID).
 - An output can belong to several network groups.
 - An amplifier can only belong to one amplifier group (Group ID).
 - The network groups and Group ID are independent of the VIDA amplifier model. The network groups allow control of the volume of different outputs belonging to different VIDA amplifier models: VIDA-16Q*, VIDA-24Q and VIDA-48Q*
 - * VIDA-16Q and VIDA-48Q will be available soon.

If the two network interfaces, NET1 and NET2, are connected the network groups will communicate via the NET1 interface only. If only one network interface is connected, the network groups will communicate over that interface.

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a Status		General Vo		Net Group	
sets + Discover		Net Group 1	Net Group 2		
		4037.8 dB	80.00 💿 👝 🕼	80.0.0 (in the second s	•
Local Device Group ID: Ampgroup		¥1585E8	#158568	#158588	#158568
GPOs VIDA-D 10.121.121.18					
Group Network Devices	^ <u>our</u>				
IO Setup VIDA-F 10.121.121.42	OUT1: AMP OUT1 OUT2: AMP OUT2	8			
VersaPower VIDA-S	OUT3: AMP OUT3				
10.121.121.20	OUT4: AMP OUT4			$\overline{\mathbf{o}}$	0.0
Groups	^				
- Events	AUX				
	AUX1: AUX OUT1 AUX2: AUX OUT2				
Player					
	DIG				
	DOUT1: DIG OUT1				
Register	DOUT2: DIG OUT2				
Settings	DOUT3: DIG OUT3				-
	DOUT4: DIG OUT4				
	LOCAL GROUP				
	LGRP 1: Local Group 1				
	LGRP 2: Local Group 2		O		
	LGRP 3: Local Group 3				
	LGRP 4: Local Group 4				

A. Management of devices

+ Discover
Local Device Group ID: Ampgroup
VIDA-D 10.121.121.18
Group Network Devices
VIDA-F 10.121.121.42
VIDA-S 10.121.121.20
10.121.121.20
Other Network Devices

- **Discover: discovers VIDA devices** on the same local network.
- Local Device: local device. Equipment to which you are connected. Displays the Group ID, the name of the equipment and its IP address.
- Group Network Devices: group of network devices with the same Group ID as the local machine. Displays the Group ID, the name of the equipment and its IP address.

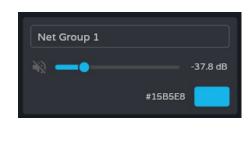
Clicking on a network device displays its group assignment matrix and options:

Group Network Devices Group ID: Ampgroup		^
VIDA-F 10.121.121.42		
VIDA-S 10.121.121.20	•	

- **I**: **delete or forget the device**. The Discover button returns to this list.
- **III: opens the** device configuration **app** in a **new window**.
- Other Network Devices: group of network devices with a different Group ID than the local machine. Displays the Group ID, the name of the equipment and its IP address.



B. Network group configuration



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Group configuration:

- Label: group label.
- Volume control and group mute.
- **Colour**: allows assignment of a colour to the group.

Assignment of outputs to a network group.

- Each column corresponds to a group.
- All outputs enabled in the same column belong to the same group.

Output groups can be **expanded** or collapsed.

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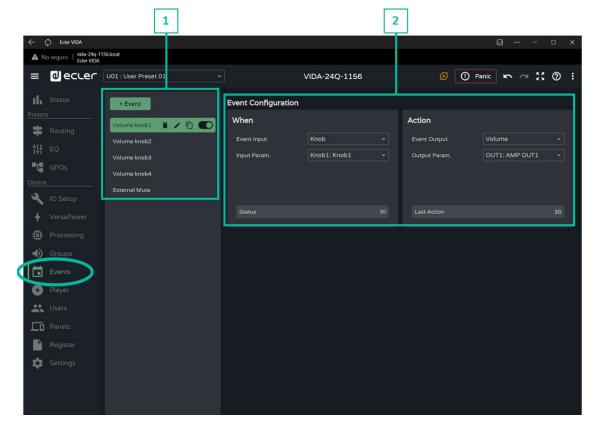
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8.14 EVENTS

Events that allow the device to automate actions and interact with external devices, such as volume control GPIs and internal functions such as the audio player.



1. Event Management



Management of the list of events available on the device. Allows the selection of an item from the list for display and configuration and to perform actions without having to open the configuration page.

By default there are five predetermined events which can be modified, disabled or deleted. They are recovered when the device is reset to factory settings.

- Volume knob1-4: volume control of the amplified outputs OUT1-4 via the front panel rotary knobs.
- External Mute: external mute affecting the four amplified outputs OUT1-4.



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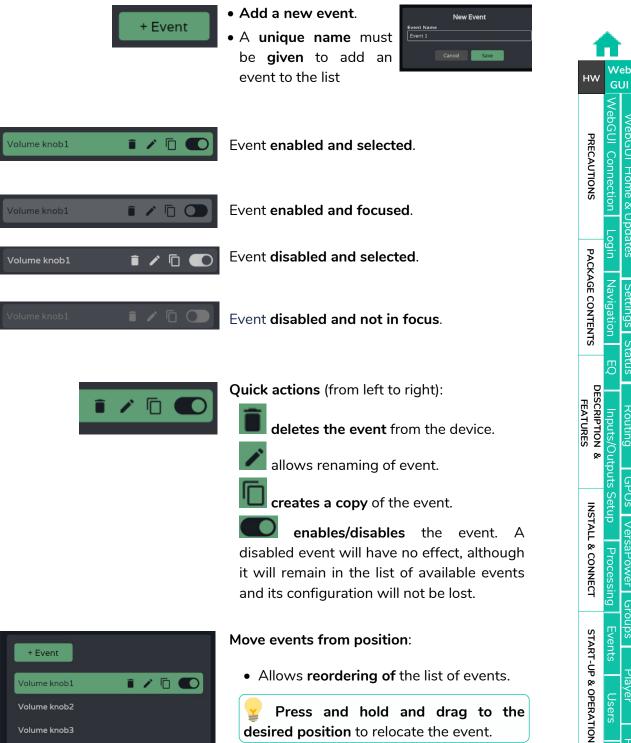
GPOs

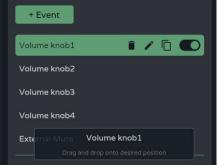
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Press and hold and drag to the desired position to relocate the event.

The position of an event is not linked to its priority over other events.

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2. Event configuration

Event Configuration	1	
When		
Event Input	Knob	
Input Param.	Knob1: Knob1	
Action		
Action Event Output	Volume	
Action Event Output Output Param.	Volume OUT1: AMP OUT1	*

Programming of an event:

• When: when the event occurs or the input that triggers it.

• Action: action of the event or output of the input stimulus.

Event Input	Knob ~
Input Param.	🗸 Knob
	GPI
	Load Preset
Status	Calendar
	External Mute

Event Input: type of event **input**. **Depending on the selection, the available options** for each type of event **will be loaded**.

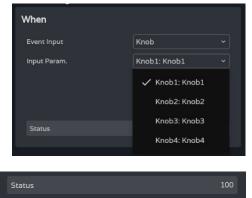
- Knob: rotary controls on the front panel.
- **GPI**: 0-10V GPI control inputs on the rear panel.
- Load preset: Load a preset.
- Calendar: calendar schedule.
- External mute: external mute input from the rear panel.

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8.14.1 EVENT KNOB

The event input is one of the rotary controls on the front panel (Knobs).

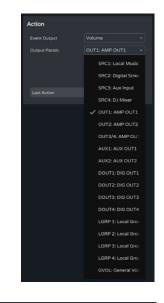
When



Four control knobs available.

Status. indicates the current status of a rotary control, where 0 is the minimum (left) and 100 is the maximum (right).

Action



Enables control of the volume of an audio signal.

Last action: indicates the last action for an event.

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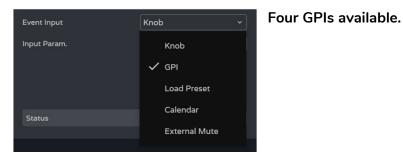
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8.14.2 EVENT GPI

The event input is one of the 0-10 VDC GPIs on the rear panel.

When



When		
Event Input	GPI	
Input Param.	GPI2: GPI2	
Configuration		Analogue
Polarity		
Status		

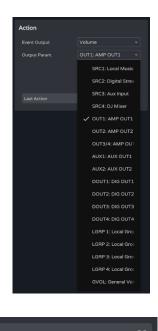
- Input param.: selection of GPI that triggers the event.
- Configuration: GPI configuration. Can be analogue (values 0-100), or digital (values 0 or 100). Depending on the GPI's operating mode, the Action section will display different options. Configurable in the SETTINGS / Knobs/GPIOs menu.
- Polarity: determines how the signal received at the GPI is interpreted: Direct/Reverse: 0 VDC is maximum and 10 VDC is minimum or vice versa.



Status: indicates the current status of the GPI, where 0 is the minimum and 100 is the maximum.



Action (analogue mode)

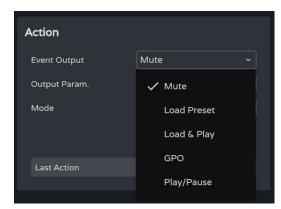


Enables control of the volume of an audio signal.

Last action: indicates the last action for an event.

Last Action does not indicate the current state of the control, but indicates the last state triggered by the event.

Action (digital mode)



A GPI-digital event allows the following actions to be performed:

- Mute: Mutes the selected audio signal. •
- Load preset: loads the selected preset. .
- Load & Play: Load and play the • selected playlist.
- GPO: modifies the status of the selected GPO.
- Play/Pause: resumes or stops the • current playback by an audio player.

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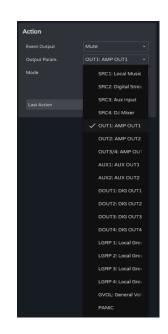
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Mute



Mutes the selected audio signal.

PANIC mutes all outputs

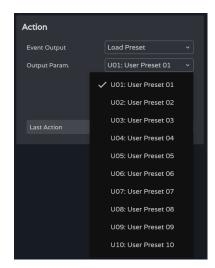
Y

Action	
Event Output	Mute ~
Output Param.	OUT1: AMP OUT1 ~
Mode	Mute Toggle
	🗸 Mute Toggle
Last Action	Mute On
	Mute Off
	Mute Hold

Mode: Mute operating mode:

- Mute Toggle: switches between Mute On and Mute Off.
- Mute On: changes the status to Mute On, regardless of Mute status.
- Mute Off: changes the status to Mute Off, regardless of Mute status.
- Mute Hold: changes the status to Mute On for the duration of the input stimulus.

Load Preset



Load the selected preset.

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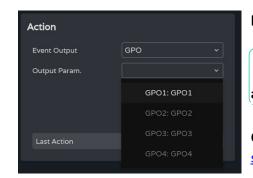


Load & Play

Action	
Event Output	Load & Play ~
Output Param.	~
	Music Bar
	Mornings
Last Action	Evenings
	Relax
	SD Card

Load and play the selected playlist.

GPO



Modifies the status of the selected GPO .

Only GPOs configured as event GPOs are available.

Configurable in the <u>COMMANDS/GPIOS</u> settings.

Play/Pause

Action	
Event Output	Play/Pause ~
Mode	Play/Pause ~
	✓ Play/Pause
	Play
Status	Pause

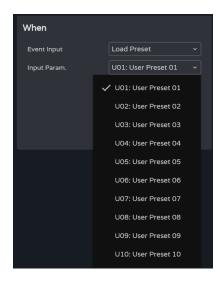
Resumes or pauses the current playback by an audio player.

- Play/Pause: toggles between resume and pause playback.
- Play: Switches the playback status to Play, regardless of the player's current state.
- Pause: Switches the playback status to Pause, regardless of the player's current status.

8.14.3 EVENT LOAD PRESET

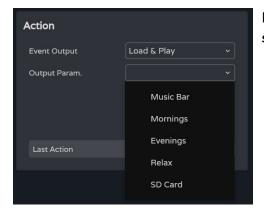
The input to the event is the loading of a preset.

When



Input param.: selection of the preset that triggers the event.

Action



Enables loading and playback of the specified playlist.



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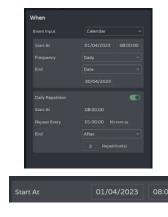
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8.14.4 EVENT CALENDAR

Allows the **configuration of calendar-triggered events**. A calendar event performs a certain action, such as loading a message with priority according to configurable parameters: date, time, repetitions, etc.

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Image: Status Presets Image: Routing Image: Routin	+ Event Volume knob1 Volume knob2 Volume knob3 Volume knob4 External Mute Mapril L I C	Event Configuration When Event Input Start At Frequency End Daily Repetition Start At Repeat Every	Calendar	Action Event Output	.oad & Play
Player Users Panels		End	After v 3 Repetition(s)	Last Action	
Register	4	Calendar Monitorin Previous Even No Event Frequency Daily Repetition	nt e Time	6. Date 20:14 4/2023 Last event at 30/04/2023 Last event at 11:00:00	Next Event 08:00:00 06/04/2023

1. When



Setting the time/date that trigger an event and repeat triggers for the event.

Date and start time of the event.

Priorities cannot be set between two events that are triggered on the same day at the same time. However, times can be set using seconds so that events can be sequenced at intervals of no less than one second.



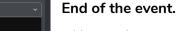
Frequency	Daily	~
End	C Never	- 1
	🔄 🗸 Daily	
Daily Repetition	Weekly	
Start At	(Monthly	
Repeat Every	Annually	
End	Custom	

Frequency: Frequency of recurrence of the event. Days on which the event is triggered at the selected start time.

- Never: one-shot event. Not repeated.
- Daily: repeated daily. Repeated every day.
- Weekly: repeated weekly. Repeated every seven days, starting from the selected start date.
- Monthly: repeated monthly. Repeated on a particular date (N) in each month. N is the date in each month on which the event is triggered.

If the selected date does not exist in the month, the event is not triggered. For example, if the trigger date is 31, the event is triggered only on 31 in each month. If a month does not have 31 days, the event is not triggered.

- Annually: repeated yearly. Repeated on the same day of the same month every year. The date in the month is the same in each successive year.
- Custom: Custom repeat. See section <u>Customise</u> <u>Frequency</u> below.



• Never: the event repeats indefinitely (2099).

- After: the event ends after N shots.
- Date: end date of the event. Last date triggered.

Customise Frequency

Date

Never

After

/ Date

End

Daily Repetition

Custom freq	uency	
Daily		
Every 2	Day(s)	
Cancel	Apply	
Custom free	luency	
Weekly		
Every 2	Week(s)	
Wed Thu	Fri Sat	
Cancel	Apply	
	Daily Every 2 Cancel Custom free Weekly Every 2	Every 2 Day(s) Cancel Apply Custom frequency Weekly ~ Every 2 Week(s)

Custom Frequency allows custom frequencies to be set.

Daily: Daily.

Every: The event is triggered **every N** days.

Weekly: Weekly: the event is triggered on the selected days of the week, every N weeks (shown under Every).

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		Custo		quency	
		Every	1	Month(s	
1					
8					
15					
	30	31			
				Apply	

Monthly: Monthly: the event is triggered on the selected days in each month, every N months.

If the selected date does not exist in the month, the event is not triggered. For example, if the trigger date is 31, the event is triggered only on 31 in each month. If a month does not have 31 days, the event is not triggered.

	Custom fr	requency	
	Annually ~		
	Every 1	Year(s)	
Jan	Feb		
May	Jun		
Sep	Oct		
		Apply	

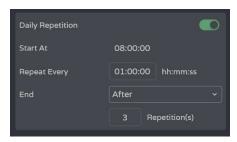
Yearly: Yearly The event is triggered in the selected months of each year, on the same day as the start date, every N years.

Frequency	Custom	
Frequency	Every 1 Year(s), on Jan, N	ٽ ۸ay, Sep

After applying the changes, a brief summary of the event trigger frequency setting is displayed.



2. In-day Repeats

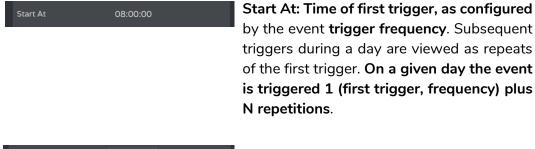


Repeat firings of an **event within the same** day.

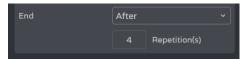
Daily Repetition

Enables or disables in-day repeats.

- **Disabled:** there are no in-day repeats. The event will be triggered once on each day, in function of the trigger frequency setting.
- Enabled: the event is repeated within the same day, according to the daily repeats configuration. The repeats occur every trigger day for the event, which is determined by the trigger frequency.



Repeat Every: Repetition interval or frequency of in-day repetition.



Repeat Every

End of the event.

- Never: the event repeats indefinitely up to 23:59.
- After: the event ends after N repetitions.
- Time: end time for the event. After this time, no more repeats are triggered.

If a repeat takes place at the end time for repeats, it will be the last replay of the day.

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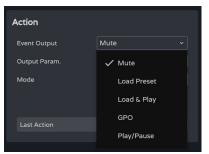
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3. Action



A calendar event allows the following actions:

- A. Mute: Mutes the selected audio signal.
- B. Load Preset: loads the selected preset.
- C. Load & Play: Load and play the selected playlist.
- D. GPO: modifies the status of the selected GPO.
- E. Play/Pause: Continues or stops the current playback by an audio player.

A. Action Mute:

Action

Mode



Mutes the selected audio signal.

PANIC mutes all outputs.

		Mode
		• Mı
	Mute	• 1010
		an
m.	OUT1: AMP OUT1	
	Mute Toggle	• Mu
	🗸 Mute Toggle	reg
	Mute On	• Mi

Mute Off

Mute Hold

: mode of operation:

- ute Toggle: Toggles between Mute On nd Mute Off.
- ute On: changes the status to Mute On, gardless of Mute status.
- Mute Off: changes the status to Mute On, regardless of Mute status.
- Mute Hold: changes the status to Mute On for the duration of the input stimulus.

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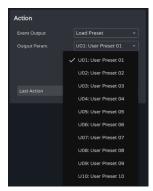
Events

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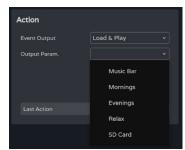
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B. Action Load Preset:



Load the selected preset.

C. Action Load & Play:

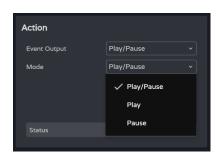


Load and play the selected playlist.

D. Action GPO:



E. Action Play/Pause:



Resumes or pauses the current playback by an audio player.

- Play/Pause: Toggles between resume and pause playback.
- Play: changes the playback status to Play, regardless of the player's current state.
- Pause: switches the playback status to Pause, regardless of the player's current state.
- 4. Calendar Monitoring

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Monitoring the frequency of events and their daily repetition.

Time & Date Next Event Ð 0 12:10:29

Time & Date

Ð

Next Event

13:00:00 05/04/2023

Calendar Monitoring

Previous Event

0

- Previous event
- Time and date
- Upcoming event

Indicates the number of times the event has been triggered, not counting its in-day repetitions.

- Times: first, number of times triggered second, times 1 remaining before the end of the event.
- Last event at: date of the last day on which the event is to be triggered.

Indicates the number of times the event has been repeated on the same day (in-day repetitions).

- Repetition: in first position, number of repeats / in second position repeats remaining before the end of the day.
- Last event at: time at which the event will be repeated for the last time.



8.14.5 EVENT EXTERNAL MUTE

Mutes the selected audio outputs while the external contact close (External Mute) is closed.

Event Configuration					
When			Action		
Event Input	External Mute		Event Output	Mute Outputs	
Polarity			Output Param.	3 param(s)	
Status		100	Last Action		

When

Polarity	Direct Reverse	Polarity: determines how the signal received at Ext port is interpreted. Mute.	
		• Direct: Closed = 100; Open = 0.	
		• Reverse: Closed = 0; Open = 100.	
Status	100	Status: indicates the current status of the Ext. Mute.	

Action



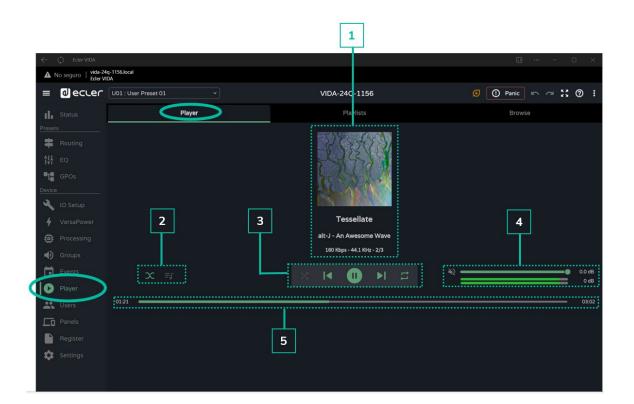
- Mutes the selected audio outputs. Multiple outputs can be selected.
- Last action: indicates the last action of the event.

East Action does not indicate the current status of Ext. Mute, but **indicates the last state** triggered by the event.

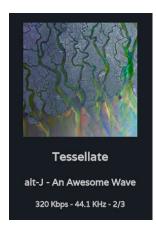
8.15 PLAYER

Embedded audio player, playlist management and file manager.

Enables playback of mp3, ogg, WAV, FLAC, AIFF audio content from a microSD card (not included) inserted into the microSD slot on the rear panel of the device (see microSD slot location in Panel Functions section).



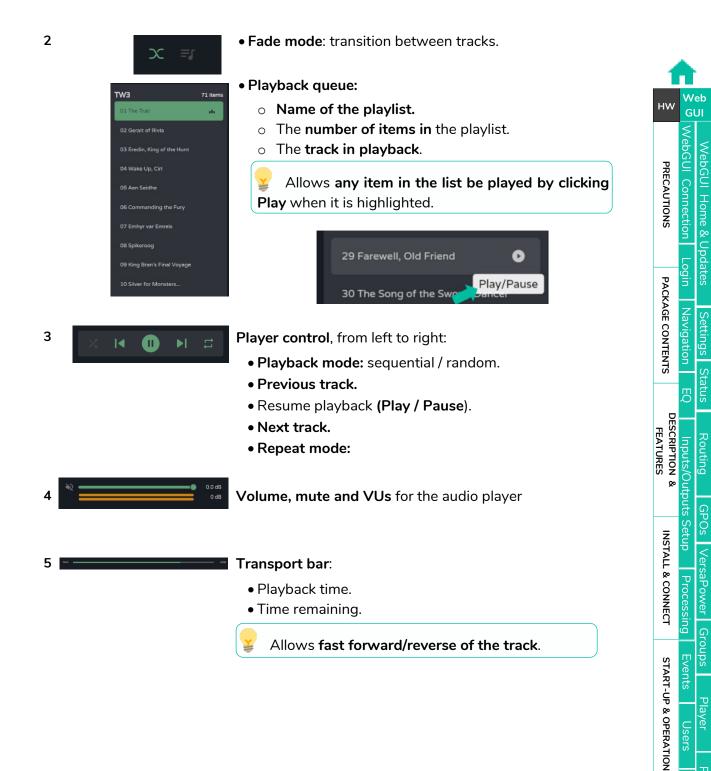
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Playing track information:

- Album art: requires an Internet connection for album art retrieval to work.
- Labels (3 screens): Track title Artist Album
- Track information: bit-rate per second sample rate position in the playlist.

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8.15.1 PLAYLISTS

Music playlists and their management. A playlist is a group of items that has an alias and an address on the microSD card. A playlist can contain several addresses that can point to:

- Files: an audio file.
- Folders: containing audio files.

🖌 Valid audio files: mp3, ogg, WAV, FLAC, AIFF

If a file is invalid or the folder contains invalid files, such as images, the player will ignore those files and only play valid audio files.

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† ¦ ∔ EQ	Music Bar		All music			17
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🔅 Settings						



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1. Playlist management



Management of the playlists available on the device.

Allows the selection of an item from the list for display and configuration and to perform actions without having to open the configuration page.

+ Playlist	Add a new play list. New Event
· Playlist	A unique name must be given to add the playlist to the list.
SD Card 🔋 🖍 🗍 III	Selected playlist.
SD Card 🔋 🌶 🗖 🕑	Focused playlist.
SD Card II	Playlist not in focus.
î / [] ili	 Quick actions (from left to right): i delete a list from the device. i rename a list. i creates a copy of a list. i shows the current playlist and enables a playlist to be played from the beginning. i If the play button for a playlist is clicked, it will
	start playing from the beginning.
+ PlaylistSD CardDrag and drop onto desired position	Move position playlists: allows reordering of playlists. Press and hold and drag to the desired position to
Mornings	reposition the list.
Evenings Relax SD Card 🔋 🖍 📋 💵	The order of the playlists is linked to the order in which they are displayed in the user panels.

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2. Playlist settings



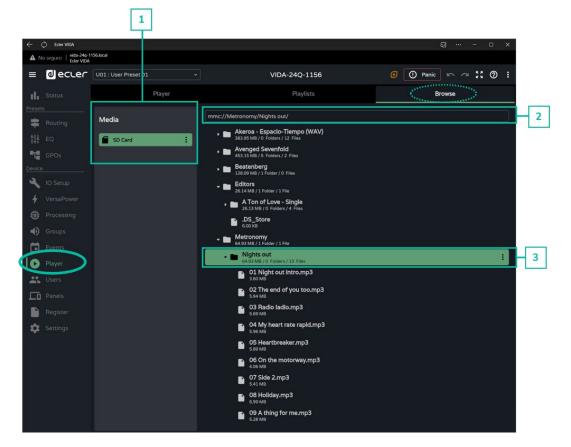
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8.15.2 BROWSER

MicroSD card browser. Allows addition and deletion of files and folders on the microSD card and viewing of their content to create playlists or edit existing lists. With no need to remove the microSD card from the device.



1. Medium



Media selection and media options:

- Upload files: adds files from your computer to the microSD card.
- Upload folder: adds a folder from your computer to the microSD card.
- Add to playlist: add the root address of the microSD card to an existing playlist ("mmc://").
- New playlist: creates a playlist with the root address of the microSD card ("mmc://").
- Format: format the microSD card to a valid format for the device.

Formatting the microSD card will delete all content.



2. Route

Address or path of the selected item.

- Autocomplete when an item is selected.
- An address can be entered manually.
- Allows copying and pasting.

3. Folders and Files

	Kerea - Espacio-Tiempo (WAV) 8555/1870 hikkos (12 Mio	
• • *	kvangad Sevenfold Sexem / E. Raber, 2. Rec	
• 🖬 🗄	Basenberg 28 Servik / 1 Forder / 0 Flax	
- m 5	iditors #34784.1.*rstor.2.1.#kz	
	A Ton of Love - Single	
	DS_Store	
• 🖬 🖁	decronerny Allow (LDS rec) LDA	
	Nights out Kons March Ferrar J Shi Ferr	
	O1 Night out Intro.mp3 Loom	
	C2 The end of you too.mp3 Set va	
	03 Radio ladio.mp3 128.viii	
	04 My heart rate rapid.mp3 team	
	G5 Heartbreaker.mp3 I So vil	
	66 On the matorway.mp3	
	07 Side 2mp3	
	06 Holiday.mp3 covs	
	OP A thing for memp3 Data	

: Upload File(s)

Upload Folder Download Add to playlist... New playlist... Delete

÷ Rename Download Add to playlist... New playlist... Delete

Folders and files on the microSD card: Selecting a folder displays its contents.

- To collapse the contents of a folder, click on it again.
- Allows browsing of the content of media (microSD card).

Folder options:

- Upload files: adds files from your computer to the selected folder.
- Upload folder: adds a folder from your computer to the selected folder.
- Add to playlist...: adds the address of the selected folder to an existing playlist.
- New playlist ...: creates a playlist with the address of the selected folder.
- Delete: deletes the folder and its contents.

Archive options:

- Rename: rename the file
- Add to playlist...: adds the address of the selected file to an existing playlist.
- New playlist ...: creates a playlist with the address of the selected file.
- Delete: deletes the archive and its contents.

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8.16 USERS

Management of device users and display of user panels assigned to users.

There are three user profiles:

- Administrator: system administrator. Has access to the device configuration web page.
- Public: public user. Has access to the user panels assigned to the profile. No login credentials are required.
- Users: users. Each user has access to the user panels assigned to them by the administrator. Requires login credentials.

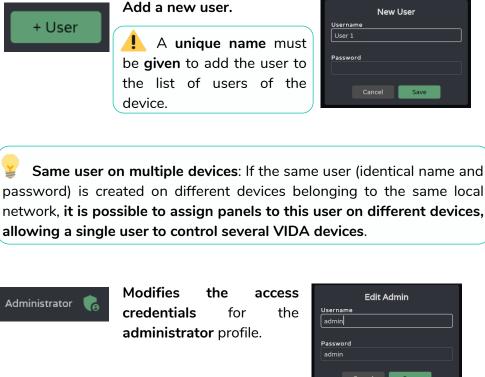
		1		2		
← () Ecler VIDA				ລ	
A N	o seguro vida-24q-1 Ecler VIDA	156.local				
=		U01 : User Preset 01	•	VIDA-24Q-1156	3 Panic	• ~ X @ I
		+ User Admin		anels		
Preset		Public		Main		
1.1.1		user A				
ţţţ		user B		Floors		
-4		eder2023				
Device						
				2 controls		
4						
•						
0	Player					
1	Users					
Lu	Parters					
\$						

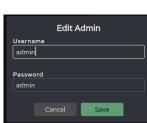
1. User management



Management of users available on the device.

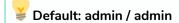
Allows the selection of an item from the list, for display of the panels assigned to the user and quick actions.





New User

Username User 1





User enabled and selected.



User enabled and focused.



User disabled and selected.



User disabled and focused.

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Quick actions (from left to right):



removes a user from the device.

allows a user to be renamed and assigned a new password.



creates a **copy** of the user.

Enables/disables the user. A disabled user will not be able to access their panels, although they will stay in the list of available users and their settings will not be lost.

When deleting a user with assigned panels, you will be asked what should be done with those panels. Panels can:

- Be kept (Keep panels), for the other users assigned to the same panel or for assignment to other users.
- Deleted (Delete panels), when they will be unavailable to other users.





The public profile can only be enabled or disabled and cannot undergo any other operations.

The public profile is **enabled** by default. If disabled, the option to access the public panels on the login page will not be available.





Move position of users:

- reorder the list of users.
- Press and hold and drag to the desired position to relocate the user.
- Position 1 is always taken by the public profile.

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2. Assigned Panels

Displays the panels assigned to the selected user. This list shows the panels on the local device and the panels on other devices for the same user.

The list of user panels can be sorted and can offer a different order for each user.
Press, hold and drag to the desired position to relocate the Panel.

 Main
 VIDA-24Q-1156
 >

 4 controls
 192.168.1.248
 I

The selected user has access to the dashboard, where the following information can be viewed:

- Name of the panel.
- Number of controls within the panel.
- Name of the device that contains the panel.
- **IP address of the device** that contains the panel.
- Edit: quick access to panel settings.
- Delete: removes the panel.
- Open in new tab: When a panel is located on another networked VIDA device, there is a shortcut to the settings page for that device. Open a new browser tab with the IP address of the device.



8.17 PANELS

Remote control panels for users. A user control panel is a **set of controls, which allow users to remotely control** - from the Ecler Vida application or from a browser - the volume, the audio player, sources and presets, and equalise one or several zones at a time.

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← (*) Ecler VIDA		a o x
No seguro vida-24q-1156.local Ecler VIDA		
	• VIDA-24Q-1156	5 🕑 🕐 Panic 🖛 🗠 👯 🥐 🗄
Status + Panel	Panel Configuration	
Presets		• •
Routing		Player Load Preset
		+ Control
T GPOs Floors	Reception	
Device Terrace	Local Music	
No Setup		 30
✤ VersaPower		
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D Player		
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Panels		48
Register	· · · · · · · · · · · · · · · · · · ·	
Settings	Cardan	
	Garden DJ Mixer	
	NR	• " ⁻

1. Panel Management



Management of the list of panels available on the device. Allows the selection of an item from the list for display and configuration and to perform actions without having to open the configuration page.

+ Panel	A new panel is added and its properties are configured:
	• Label: a unique name has to be given to add an event to
New User Panel	the list. • Player: enables the audio player on the panel.
Preset (10 user presets available)	Access to player control and playlist selection.
Cancel Apply	•Load Preset: enables preset
	selection on the panel.
	You will only have access to the presets available to users (Presets for panels - configurable in the presets management drop-down
	menu).
	•Users: assignment of users
Main 4 controls	Panel enabled and selected.
Main 4 controls	Panel enabled and focused .
Main 4 controls	Panel disabled and selected .
Main 4 controls	Panel disabled and focused .
	Public panel indicator:
a	• Unlocked: public panel. Assigned to the public profile.
	A panel can be assigned to the public profile and

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displayed.

Use

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•Locked: private panel. Assigned to one or more users, not available to the public profile.

users. If assigned to both, the public panel indicator is



Quick actions (from left to right):



removes the panel from the device.

allows editing of the properties of the panel



creates a **copy** of the panel.

Enables/disables the panel. A disabled panel will not be shown to the assigned users; it will remain in the list of available panels and its configuration will not be lost.

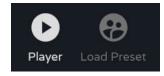
Move position of panels:

- Allows the list of panels to be reordered.
- Press and hold and drag to the desired position to relocate the event.

The order of the list of panels is the order in which the panels are displayed to users in the Ecler Vida control app. If a user has panels for different devices, the panels are displayed grouped by device, as arranged by the user.

2. Panel configuration

Allows configuration of panel controls.



Indicators for enabled controls.

- Configurable in the panel properties.
- Audio player control and playlist selection.
- Selection of presets allowed per user.

If exclusive access to playlists and presets is required for certain users, duplicate an existing panel and enable both options.







A new control is added to the panel (at the end of the list) and its properties are configured.

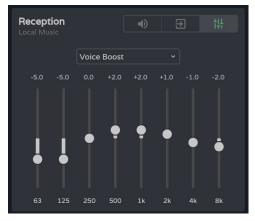
- Label: a unique name must be given to add the control to the list
- Target: signal to be controlled. Depending on the selection, the control options for each type of signal are loaded automatically: sources, amplified outputs, auxiliary outputs, digital outputs, local groups, overall volume and network groups.
- volume control and signal mute. Signal level display.



selection of fonts made available to the user.



graphic equaliser and quick equaliser settings.



If no control is enabled: volume, source selection or equaliser, the control displays the level of the selected signal. Useful if the area only needs to be monitored.

Reception Local Music		
_		



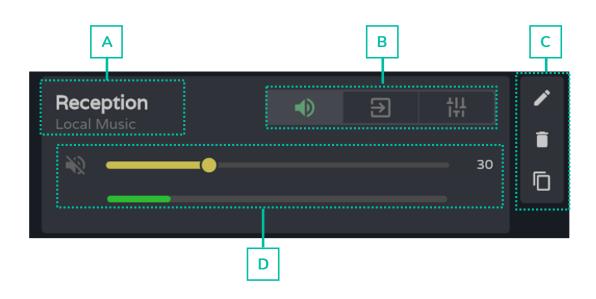
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Control

Once configured controls created in a panel are available to users assigned to that panel. The controls shown in the panel configuration can be manipulated by both the administrator and the user.



- A. Control label and selected source.
- **B.** One volume, source and EQ control selector.
- C. Control options: edit properties, delete and duplicate.
- **D.** Graphic volume, source and equaliser control. Displayed depending on the option chosen in the selector.

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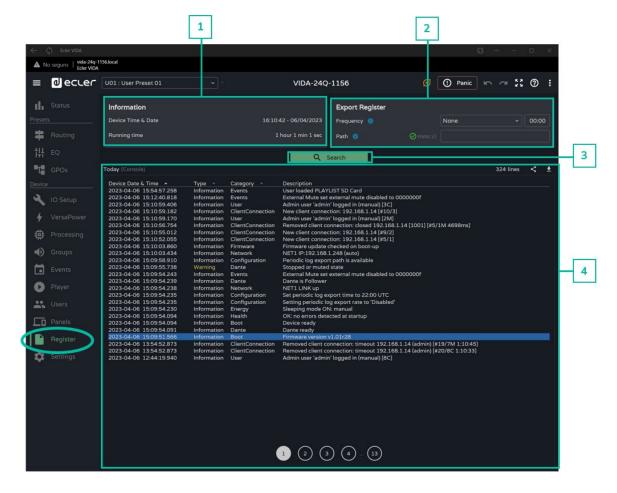
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8.18 REGISTER

System activity log. Allows **detailed visualisation of device activity**, for troubleshooting or programming tracking.



1. Information

Information	
Device Time & Date	16:11:31 - 06/04/2023
Running time	1 hour 1 min 50 sec

Basic system information.

- Local time and date for the device
- Time the equipment has been in operation since the last restart.



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2. Export register

Export Register	ſ	Daily v 00:00	Export a copy of the log lines to the microSD card.
	ا \ // @mmc://	logs	
	an management and a second		 Frequency: export frequency
			 Daily: saves a daily copy of the log at the selected time
			 Weekly: saves a weekly copy of the log every Monday at the selected time
			 Monthly: keeps a monthly copy of the log on the first day of each month at the selected time
			• Path: address of the microSD folder where copies of the log are stored:
			If export is enabled, but the address
			is empty, logs are saved to the root of
			the microSD card.
			If the address entered does not exist, the folder will be created.
The followi	ng cor	nditions must be met	for the export to be successful:

- The device is switched on the day and at the time scheduled for log export. •
- The microSD card is inserted. •

İ

The address has not been changed. •

- Juency
 - **copy** of the log at
 - ekly copy of the at the selected
 - monthly copy of ay of each month
- microSD folder g are stored:

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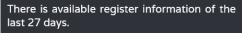


3. Search

Text

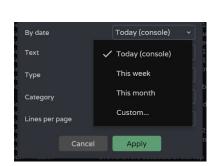
Search in the system registry. Filter and generate reports with the required information.

c		Sea	nch	5
((There is last 27 da		ster information of	f the
c c	By date		Today (console)	•
c c	Text			
C C	Туре		Any	•
c	Category		Any	-
C C C	Lines per p	bage	25	•
C C		Cancel	Apply	Ś



OUT1

Indicates the age of the record.



Filter by specific words.

Filter by date:

- Today (console): displays the log for the day, from 00:00 to the time of search.
- This week: shows the log since Monday.
- This month: shows the log from the 1st of the month.
- Custom: allows custom date range.

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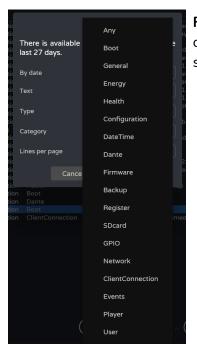
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r Type	Any ~	Filter by log line type. More than one can be
c Category ic	Any]	selected:
ic Lines per page	Information	• Any: all types.
Cancel	Warning o	 Information: normal activity.
on Boot Devi	Recovery	• Warning: some functions may not be
ion Dante Dant ion Boot Firm ion ClientConnection Rem	Error	working properly. Shown in yellow.
	Tallule	
202	3-04-06 09:50:13.113	Warning Dante Stopped or muted state
202	3-04-06 12:04:03.110	Recovery: recovery from a warning or error. Shown in green. Recovery Network Internet connection OK
202	3-04-00 12.04.03.110	• Error: error, something is not working properly. The proper functioning of the system may be compromised. Shown in red.
202	23-04-06 09:50:21.630	Error Network Internet connection failed
		• Failure: system failure, critical error. The system requires immediate attention. Shown in red.

System starts are shown in blue, for easy identification.

2023-04-06 12:06:22.917	Information	Boot	Firmware version v1.01r27



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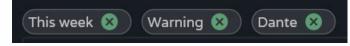
Filter by line category of the log. More than one can be selected. Allows a more refined search.

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c c L	ines per pa	age	2	25	~	
c c c		Cancel		✓ 25		2 C
c on			Devi	50		ہ۔
on				100		
on on						nec

Number of lines displayed per page.

When the search is confirmed, the filters applied are displayed in the console. They 1 can be quickly deleted and new ones added. The last search performed is saved.



4. Today (console)

Log console. Displays real-time activity on the system. Each day the previous day's log is stored and replaced by the succeeding log.

351 lines < 🛓	 Indicates the log lines, after filtering. Share log, copy to the clipboard the selected lines, for sharing in apps like an email manager, e.g. Download log, save a copy on your computer (browser download folder) of the selected lines in CSV format. It can be opened using a spreadsheet program.
Device Date & Time 🔺	 Type Category Description Header of the log lines (columns): Device Date&Time: local date and time of the device at which the activity event occurs. It can be sorted in ascending or descending order. Type: type of activity event. Sortable alphabetically, grouping activity events by type. Category: activity event category. Sortable alphabetically, grouping activity events by category. Description: brief description of the activity event
1 2 3 4 15	Log pagination.

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ECLER VIDA APP 9.



Ecler VIDA is an application for the control of one or more VIDA series amplifiers on the same local network through customised user control panels designed by the system administrator.

The app allows users to manage volume, select sources, equalise, select playlists and control the internal audio player, select presets and more.

The panels are designed exclusively for each user, simply and quickly. There is also a tool for commissioning the equipment. Compatible

with Ecler VIDA series amplifiers. An Ecler VIDA series amplifier is required to create user panels and publish them on the local network.

Available for iOS and Android. Download the app free from:







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9.1 LOGIN

There are two access profiles for the app:



- Administrator: An administrator has access to all functions of the VIDA device and can configure any amplifier parameter, event, peripherals, etc. An administrator creates users and control panels for the Ecler VIDA user app.
- User: users (non-administrator users or end-users of the system) have **limited access**. The only functions available to normal users are controls (e.g. controlling the volume of an output) but no configuration functions.

 \neq The administrator profile is disabled in the iOS and Android apps.

Usernames and passwords are case-sensitive.

• Keep me logged in

When this function is active, a new login will not be required each time the VIDA web app is opened. The LOGIN page will not be displayed and the last page visited will be displayed. To deactivate, log out of the web app.

Forgot password

Allows users to change their password Password.

Public Panels

Access to **control panels, public profile** (no login credentials required). These control panels must be created by an administrator.

• Navigation

On accessing the app, **the last panel selected is displayed**. **The app has a navigation menu at the bottom of the screen:**



- Home: panel selected.
- **Panels**: list of panels assigned to the user.
- Settings: application settings.



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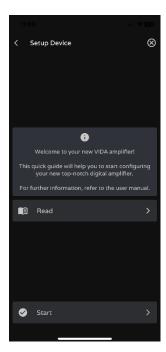
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9.2 SETUP DEVICE

Quick start-up and/or discovery of VIDA devices on the same local network.

If you are setting up an installation with several VIDA devices, log in to the web app of any of the devices or open the mobile app, click on "Setup device" on the welcome page to discover VIDA devices and get network information for the devices and easy access to them.

The Setup Device button takes you to the tutorial:



- Welcome page.
- Link to device documentation.



Connect the VIDA device to the mains and switch on the device.



Connection VIDA

I don't find my device

VIDA-240-1156

Firmwa

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- Connect the VIDA device to the router/switch using a CAT5 cable or higher (NET1 Ethernet port on the VIDA device).
- Connect the Smartphone to the same local network as the VIDA device over WiFi.

If there are devices on the local network that have been discovered, a list of accessible devices on the local network is displayed.

- Clicking on the name of a device opens a tab in the default browser for the IP address of the device.
- Important information about the device is displayed, with options for access to its web app (for configuration by the system administrator). Copy one or more links and paste them into your browser, on the same or another device.



If there are no computers on the local network or none have been discovered, other connection options and troubleshooting options are displayed:

- Try again: try to re-establish a connection. When a connection has not been made correctly or the network configuration of a device has been changed recently.
- Check that your local network has a DHCP server. If no DHCP server is found the VIDA device can be accessed via IP address: 192.168.0.100. Locate your smartphone in the same IP range to access the device.

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9.3 HOME

Home page **shows the selected panel** (from the list of available panels). This page **shows** all the controls for a panel.



Audio player

If the audio player is enabled in the panel, playback control and playing track information are displayed at the bottom of the screen. Clicking on the control opens the audio player page.



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Playlist selection. All playlists available on the device are displayed.



Playing track information:

- Album art: requires an Internet connection for album art retrieval to work.
- Tags ID3: Track title Artist Album.
- **Track information**: bit-rate per second sample rate position in the playlist.



Audio player control:

- Playback time.
- Time remaining.
- Allows fast forward/reverse of the track.
- Sequential/random playback mode.
- Previous track.
- Resume playback (Play / Pause).
- Next track.
- Repeat mode:
- Fade mode: transition between tracks.
- See playback queue.



- Name of the playlist.
- The number of items in the playlist.
- The track in playback.
- Allows you to play any item in the list by clicking play over the item.

11:09	
< Main	
SD Card (264 items)	⊗
02 Beauty Like a Tightened Bow	
03 Chelsea Blakemore	ы.
04 Pluto	
05 Southern Suburbs	
06 Scorpionfish	
07 Ithaca	
08 Cavendish Square	
09 Facebook Apologia	
10 Echoes	
11 All About Me	
12 Cape to Rio	
13 The Prince of the Hanging Gardens	
Home Pariols	Settings

Preset selection

11:10	. 11 🗢 86)	
Main	e	
	User Preset 01	
Reception	User Preset 02	
×2	User Preset 03	

Presets available on the panel.

The playlists and the list of available presets is not exclusive to the user. The same lists are available to any user with access to the panel.

If exclusive access to playlists and presets is required for certain users, duplicate an existing panel and enable both options.

9.4 MY PANELS

List of panels available to the user.

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MY PANELS	5	
Main		
Floors		
Terrace		
Home	Panels	Settings
_		

- Click to select a panel.
- Name of the user panel.
- Device containing the panel. If the user has panels on several VIDA devices, they are all listed here, regardless of the device.

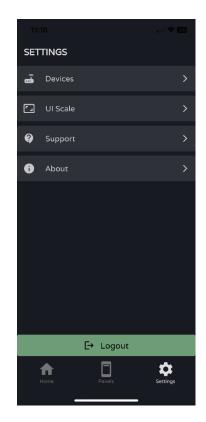
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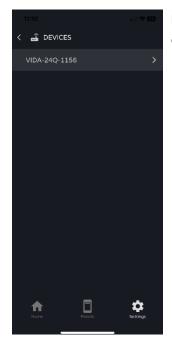


9.5 SETTINGS APP

Control app settings.



Devices



List of devices on the same local network. Clicking on a device displays its information page.

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ART-UP	Events	ס
START-UP & OPERATION	Users	Player
		Panels
ANEL FUI	Register -	s APP
PANEL FUNCTIONS	TP-NET Protocol	PP
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TECHNICAL DATA	<u>0</u>	



Device information:

- Important device information.
- Health: shows the health status of the device.
- Share Log: share the daily log for the device. Copies lines from the daily log to the clipboard for sharing in applications such as an email manager.

UI Scale



Set the display size for the GUI.

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		Users	Player
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			APP
		TP-NET Protocol	
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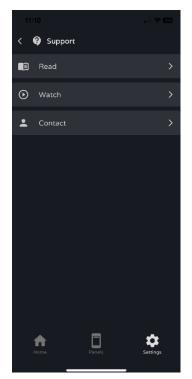
INSTALL & CONNECT

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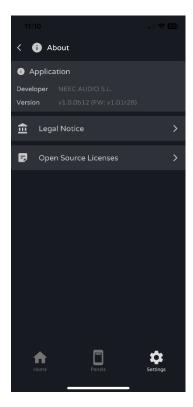
Support



Useful links:

- Read: VIDA amplifier documentation.
- Watch: link to VIDA's YouTube page. Contains training and promotional videos.
- Contact: Ecler Technical Support contact form.

About



Displays information related to the app:

- Version
- Privacy Policy
- Open source licences.



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10. TP-NET PROTOCOL

10.1 INTRODUCTION TP-NET PROTOCOL

The TP-NET protocol allows a client machine (or control device) to query and modify various internal parameters.

Communication with such devices can be done over Ethernet and using the UDP/IP transport protocol, using UDP registered port **5800**.

The protocol is simple and textual, making it easy to read, write code and modify, and is message-based, with no need for start and end delimiters: each message is implicitly delimited by the size of the UDP packet. The maximum message size is **80 characters**. All texts must be written in capital letters.

To facilitate the processing of messages in control systems such as CRESTRON®, AMX®, RTI®, VITY®, MEDIALON®, etc., the device adds the character LF (0×0A) at the end of each message. If the client program does not have time to process the received messages one by one, it can concatenate consecutive messages into a single memory string (buffer) and separate them again later using the LF delimiter. The device also allows several messages to be sent in a single data packet and read using the delimiter.

Messages are made up of one or more fields, separated by blanks (= blank space):

<TYPE> (PARAM1) (PARAM2) (PARAM3) (PARAM4)[LF]

The first field **(TYPE)** defines the **type of message**, and therefore the number of parameters required below (each type of message requires a certain number of parameters). The **TYPE** field can have the following values:

- SYSTEM
- GET
- SET
- INC
- DEC
- Subscribe to
- UNSUBSCRIBE
- DATA
- ERROR

The table in the chapter <u>VIDA Parameters</u> describes the different types of messages and their associated parameters.



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SYSTEM, GET, SET, INC, DEC, SUBSCRIBE and UNSUBSCRIBE messages can be sent from the client to the device; DATA and ERROR messages are sent from the device to the client. SYSTEM PING is the only SYSTEM message sent by the device if the optional PINGPONG parameter is specified in the client SYSTEM CONNECT message.

Communication is initiated when a client sends a **SYSTEM CONNECT** message to the device. As UDP communication is connectionless (unlike TCP communication), the device stores the IP address of the client sending the **SYSTEM CONNECT** message to be used as a destination for the messages generated by the device itself (DATA and ERROR). After receiving a connection message, the device performs a data dump by sending all implemented DATA values one by one.

Communication can be terminated in two ways:

- Manually: when the client sends the SYSTEM DISCONNECT message, which cancels all subscriptions and stops the sending of DATA and ERROR
- Automatically: if in the initial SYSTEM CONNECT message the optional parameter PINGPONG was specified and the client has not received SYSTEM PONG messages for a period over 10 seconds (assumed loss of communication).

SET messages sent by the client have no feedback, i.e. The device does not send a **DATA** message after processing the **SET** message. The client updates the value internally with the data sent to the device and, if necessary, uses a **GET** message to verify that the parameter has been correctly processed in the device.

- Numerical values are always unsigned whole numbers (positive numbers without decimals).
- [PINGPONG] is an optional parameter used to configure communication with the client so that it is possible to determine whether either party has terminated communication. When configured in this way, the device sends a SYSTEM PING message periodically (once every second) to the client, which must reply with a SYSTEM PONG message. If either party does not receive the relevant message within 10 seconds, communication is deemed to have been terminated.
- <Input Channel> and <Output Channel> are numeric values that identify an input or output channel on the device.
- <**Preset Number>** is a numeric value that identifies one of the Presets available in the device's memory.
- <Level>, <Pre VUmeter Level> and <Post VUmeter Level> are numerical values in the range [0-100] which define values on a scale equivalent to [-inf-0] in dB
- **<GPI>** and **<GPO>** are numeric values in the range [1-8].
- <**GPI Value**> is a numeric value in the range [0-100] that indicates the value of an analogue input. If the input is digital, the two possible values are 0 and 100.

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- <GPO Value> is a numeric value in the range [0-1], i.e. it can only take the value 0 or 1 (relay contact open or closed).
- <Rate> is a numeric value in the range [1-10] that specifies the frequency of sending VU meters to the client, in number per second (default = 3).
- "<Device Name>" indicates the device name in double quotes to allow for names with spaces.
- **<Error ID>** is a numeric value encoding a type of error.
- "<Error Description>" is a text string enclosed in double quotes containing a description of the error.

10.2 VIDA PARAMETERS

Communication between client and device <u>is established with an initial SYSTEM</u> <u>CONNECT message</u>. If not, commands from the client to the device will be ignored by the device. <u>See the chapter TP-NET Protocol Introduction for more information</u>.

The INC and DEC commands generate a DATA command response from the device, containing the resulting LEVEL value, incremented or decremented. When the INC or DEC command attempts to adjust to a value outside the minimum and maximum allowed limits, no response will be produced (no DATA command will be sent).

Έ	PARAM1	PARAM2	PARAM3	PARAM4	DESCRIPTION
CE					
ГЕМ					
	CONNECT	[PINGPONG]	[ONCE]		Saves the client IP address for responses and then dumps current
					device status (with DATA messages)
	DISCONNECT				Cancel subscriptions and terminates communication
	SUBSCRIPTION_RATE	<rate></rate>			Times per second for subscriptions refresh (1-10)
	PING				Alive message from device
	PONG				Alive ACK message from client
	PING INTERVAL	<1-1000>			Ping Interval, in seconds
		•			
	ALL				Dumps current device status (with DATA messages)
	POWER				Gets the Device RUNNING/SLEEP status
	PRESET				Gets the current PRESET
	SLEVEL	<source/>			Gets the current LEVEL of an audio Source
	OLEVEL / CHAN_VOL	<output channel=""></output>			Gets the current LEVEL of an Output Channel (Main:1~4, Aux: 4,5,
					Digital: 6~10)
	XLEVEL	<source/>	<output channel=""></output>		Gets the current LEVEL of a Matrix point
	GLEVEL	<loc gen="" net=""></loc>	<group></group>		Gets the current LEVEL of a Group
	SMUTE	<source/>			Gets the current MUTE Status of an audio Source
	OMUTE	<output channel=""></output>			Gets the current MUTE status of an Output Channel
	XMUTE	<source/>	<output channel=""></output>		Gets the current MUTE status of a Matrix Point
	GMUTE	<loc gen="" net=""></loc>	<group></group>		Gets the current MUTE of a Group
	ZONERIN	<output></output>			Gets zoner replica for given Output (1~4=Main, 5,6=Aux, 7~10=Digital).
					For main outputs, can be S1~4, for Aux outputs, can be S1~4 and also
					O1~4 (Main output 1~4), for Digital outputs can be S1~4, O1~4 and
					also A1~2 (Aux out 1~2)
	SVU	<source/>			Gets the VU-meter value of an audio Source
	OVU	<output channel=""></output>			Gets the VU-meter value of an Output Channel
	ALARM_PROTECT	<output channel=""></output>			Gets the Protect alarm status of an Output Channel
	ALARM_FAULT	<output channel=""></output>			Gets the self-diagnosis system alarm status of an Output Channel
	GPI	<input/>			Gets the current value of a General Purpose Input
	GPO	<output></output>			Gets the current value of a General Purpose Output
	EXTMUTE				Gets the current value of the External Mute Input
	INFO_NAME				Gets the Device Name
	INFO_MODEL				Gets the Device Model
	INFO_VERSION				Gets the Firmware Version
	INFO_MAC	<net1 net2=""></net1>			Gets the Device MAC address for NET1 or NET2 Ethernet interface
	IP_CONFIG	<net1 net2=""></net1>			Gets NET1/2 ethernet interface addresses info
	IP_LIST				Gets list of registered TP-Net clients
	Z_MONITOR	<output channel=""></output>			Gets Impedance monitor status of an Output Channel

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	POWER	ON/OFF			Sets the Device Power status (Running / Sleeping)
	PRESET	<preset number=""></preset>			Sets the current PRESET (0-10) 0=factory, 1-10=User
	SLEVEL OLEVEL	<source/>	<level></level>		Sets the current LEVEL of an audio Source
	OLEVEL	<output channel=""></output>	<level></level>		Sets the current LEVEL of an Output Channel (Main:1~4, Aux: 4,5, Digital: 6~10)
	XLEVEL	<input channel=""/> <source/>	<output channel=""></output>	<level></level>	Sets the current LEVEL of a Matrix point
	GLEVEL	<loc gen="" net=""></loc>	<group></group>	<level></level>	Sets the current LEVEL of a Group
	SMUTE	<source/>	YES/NO		Sets the current MUTE Status of an audio Source
	OMUTE XMUTE	<output channel=""> <input channel=""/> <source/></output>	YES/NO <output channel=""></output>	YES/NO	Sets the current MUTE status of an Output Channel Sets the current MUTE status of a Matrix Point
	GMUTE	<loc gen="" net=""></loc>	<group></group>	TESHIO	Gets the current MUTE of a Group
	GPO	<output></output>	<source/> or <output> or <aux></aux></output>		Sets zone replica for given Output (1-4=Main, 5,6=Aux, 7-10=Digital). For main outputs, can be S1-4, for Aux outputs, can be S1-4 and also O1-4 (Main output 1-4), for Digital outputs can be S1-4, O1-4 and also A1-2 (Aux out 1-2) Sets the current value for a General Purpose Output
	SLEVEL	<source/>	<value></value>		Increases the current LEVEL of an audio Source by Value (Value can
	OLEVEL	<output channel=""></output>	<value></value>		range from ± 1 to ± 100) Increases the current LEVEL of an Output Channel by Value (Value can
	XLEVEL	<input channel=""/> <source/>	<output channel=""></output>	<value></value>	range from ±1 to ±100) (Channel is Main:1~4, Aux: 4,5, Digital: 6~10) Increases the current LEVEL of a Matrix point by Value (Value can range
	GLEVEL	<loc gen="" net=""></loc>	<group></group>		from ±1 to ±100) Increases the current LEVEL of a Group by Value (Value can range from
					±1 to ±100)
	SLEVEL	<source/>	<value></value>		Decreases the current LEVEL of an audio Source by Value (Value can
	OLEVEL	<output channel=""></output>	<value></value>		range from ± 1 to ± 100) Decreases the current LEVEL of an Output Channel by Value (Value can
	XLEVEL	<input channel=""/> <source/>	<output channel=""></output>	<value></value>	range from ±1 to ±100) (Channel is Main:1~4, Aux: 4,5, Digital: 6~10) Decreases the current LEVEL of a Matrix point by Value (Value can
	GLEVEL	<loc gen="" net=""></loc>	<group></group>		range from ±1 to ±100) Decreases the current LEVEL of a Group by Value (Value can range from
CRIBE					±1 to ±100)
	ALL				Subscribes to all VU-meters
	SVU	<source/>			Subscribes to an audio Source VU-meter
	OVU	<output channel=""></output>	I		Subscribes to an Output Channel VU-meter
IBSCRI					Unsubscribe to all VIL meters
	ALL SVU	<source/>	1		Unsubscribe to all VU-meters Unsubscribes to an audio Source VU-meter
		<source/> <output channel=""></output>	1		Unsubscribes to an audio Source VU-meter Unsubscribe to an Output Channel VU-meter
				-	
	POWER	RUNNING / SLEEPING			Shows the Device Power status
	PRESET	<preset number=""></preset>			Shows the current PRESET
	SLEVEL	<source/>	<level></level>		Shows the current LEVEL of an audio Source
	OLEVEL	<output channel=""></output>	<level></level>		Shows the current LEVEL of an Output Channel (Main:1~4, Aux: 4,5,
	XLEVEL	<input channel=""/> <source/>	<output channel=""></output>	<level></level>	Digital: 6~10) Shows the current LEVEL of a Matrix point
	GLEVEL	<loc gen="" net=""></loc>	<group></group>	<level></level>	Shows the current LEVEL of a Group
	SMUTE	<source/>	YES/NO		Shows the current MUTE status of an audio Source
	OMUTE	<output channel=""></output>	YES/NO		Shows the current MUTE status of an Output Channel
	XMUTE	<input channel=""/> <source/>	<output channel=""></output>	YES/NO	Shows the current MUTE status of a Matrix point
	GMUTE ZONERIN	<loc gen="" net=""> <output></output></loc>	<group> <source/> or <output> or <aux></aux></output></group>		Shows the current MUTE of a Group Shows current zoner replica for given Output (1-4=Main, 5,6=Aux, 7-10=Digital). For main outputs, can be S1-4, for Aux outputs, can be S1-4 and also 01-4 (Main output 1-4), for Digital outputs can be
	SVU	<source/>	<post level_left="" vumeter=""></post>	<post level_right="" vumeter=""></post>	S1~4, O1~4 and also A1~2 (Aux out 1~2) Shows the VU-meter value of an audio Source
	OVU	<output channel=""></output>	<post level="" vumeter=""></post>	<r level_right="" ost="" vulneter=""></r>	Shows the VU-meter value of an Output Channel
	GPI	<input/>	<gpi value=""></gpi>		Shows the current value of a General Purpose Input
	GPO	<output></output>	<gpo td="" value)<=""><td></td><td>Shows the current value of a General Purpose Output.</td></gpo>		Shows the current value of a General Purpose Output.
	EXTMUTE				Shows the current value for External Mute
	ALARM_PROTECT ALARM_FAULT	<output channel=""></output>	ON/OFF ON/OFF		Shows the Protect alarm status of an Output Channel Shows the self-diagnosis system alarm status of an Output Channel
	INFO_NAME	" <device name="">"</device>	ONVOFF		Shows the Device Name
	INFO_MODEL	<device model=""></device>	1		Shows the Device Model
	INFO_VERSION	<firmware version=""></firmware>			Shows the Firmware Version
	INFO_MAC	<net1 net2=""></net1>	5.01		Shows the Device MAC address for NET1 or NET2 Ethernet interface
	Z_MONITOR ERROR CODES	<output channel=""></output>	<error code=""></error>		
	0	Z IN RANGE			
	1	Z ABOVE Z-MAX THRESHOLD			
	2	Z BELOW Z-MIN THRESHOLD			
	3 4	SHORT-CIRCUIT (PROTECTION ON) OPEN- CIRCUIT			
R	0	TPNET_ERROR_NONE	•		
	1	TPNET_ERROR_INVALID_FIELD_TYPE	1		
	2	TPNET_ERROR_INVALID_FIELD_PARAM1			
	3	TPNET_ERROR_INVALID_FIELD_PARAM2			
	7	TPNET_ERROR_INVALID_FIELD_PARAM3 TPNET_ERROR_TIMEOUT_PONG TRNST_ERROR_TIMEOUT_PONG			
	9 10	TPNET_ERROR_DISCONNECT_WHILE_UNCONNECTED TPNET_ERROR_INVALID_CLIENT_IP			
	11	TPNET_ERROR_MESSAGE_TOO_LONG TPNET_ERROR_UNSUPPORTED_MESSAGE			
			1		+
	12	TPNET_ERROR_INVALID_RATE_VALUE			
		TPNET_ERROR_INVALID_RATE_VALUE TPNET_ERROR_MAX_CLIENTS_REACHED TPNET_ERROR_MASTER_MODE			

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PLAYER			
ET			
	PLAYER_MUTE		Gets the MUTE status of PLAYER
	PLAYER_VOLUME		Gets the VOLUME level of PLAYER
	PLAYER_VUMETERS		Gets the VUMETERS level of PLAYER
	PLAYER_TIME		Gets PLAYER elapsed, remaining and total time of the current media
			playback
	PLAYER_CONTROL		Gets PLAYER A or B current playback status: PLAY/PAUSE
	PLAYER_PLAYLIST_NAME		Gets PLAYER loaded playlist name (alias)
	PLAYER_QUEUE_INFO		Gets PLAYER current playback queue position (index) and total number
			of items in it (count)
	PLAYER_PLAY_MODE		Gets PLAYER current playback order mode
	PLAYER_REPEAT_MODE		Gets PLAYER current playback repeat mode
	PLAYER_FADE_MODE		Gets PLAYER current tracks playback transition mode
	PLAYER_ITEM_TAGS		Gets PLAYER current item tags: TITLE, ARTIST, ALBUM
			· · · · ·
	PLAYER_MUTE	<yes no=""></yes>	Sets the MUTE status of PLAYER
	PLAYER_VOLUME	<0100>	Sets the VOLUME level of PLAYER
	PLAYER_CONTROL	<play next="" pause="" prev=""></play>	Sets PLAYER controls
	PLAYER_PLAYLIST_NAME	<alias></alias>	Sets (loads) PLAYER playlist name (alias)
	PLAYER_PLAY_MODE	<sequential random=""></sequential>	Sets PLAYER playback order mode
	PLAYER_REPEAT_MODE	<play_all repeat_all="" repeat_one=""></play_all>	Sets PLAYER current playback repeat mode
	PLAYER_FADE_MODE	<none xfade=""></none>	Sets PLAYER current tracks playback transition mode
	PLAYER_VOLUME	<0100>	INCreases the current VOLUME of a PLAYER, a value from ±1 to ±100
2			
	PLAYER_VOLUME	<0100>	DECreases the current VOLUME of a PLAYER, a value from ±1 to ±100
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	PLAYER ALL		Subscribes to all VU-meters and player times
	PLAYER_VUMETERS		Subscribes to the VUMETERS level of PLAYER
	PLAYER TIME		Subscribes to the TIME values (elapsed, remaining, total) of PLAYER
SUSCR	IBE		
	PLAYER_ALL		Unsubscribes to all VU-meters and player times
	PLAYER_VUMETERS		Unsubscribes to the VUMETERS level of PLAYER
	PLAYER_TIME		Unsubscribes to the TIME values (elapsed, remaining, total) of
	-		DI AVED

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All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in <u>Support / Technical requests</u>.

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