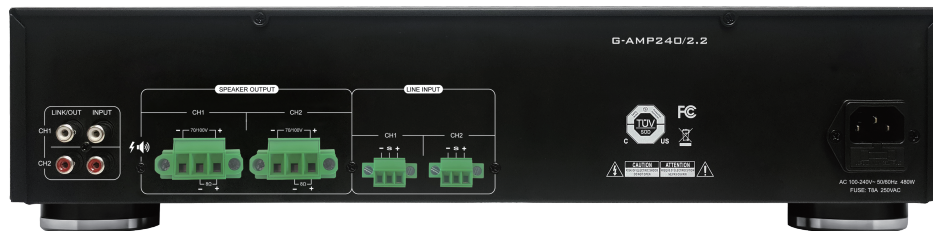


ELURA

COMMERCIAL

GREEN LABEL SERIES AMPLIFIERS OWNER'S MANUAL & INSTALLATION GUIDE



ELURA G-AMP240/2.2
240-WATT 70/100V & 8Ω AMPLIFIER
AND
ELURA G-AMP500/2.2
500-WATT 70/100V & 8Ω AMPLIFIER



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



WARNING:

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

AVIS:

Pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil sous la pluie et l'humidité.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

L'appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu'un vase, ne doit être placé sur l'objet.



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.

Le symbole de l'éclair fléché dans un triangle équilatéral, est destiné à alerter l'utilisateur de la présence d'une "tension dangereuse" dans le boîtier du produit qui peuvent être des ampleur suffisante pour constituer un risque d'électrocution aux personnes.



This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

Ce symbole est destiné à alerter l'utilisateur de la présence d'opération et de maintenance (entretien) dans la documentation accompagnant l'appareil.

Important Safety Instructions

1. Read these Instructions.
Lisez ces instructions.
2. Keep these Instructions.
Conservez ces instructions.
3. Heed all Warnings.
Respectez tous les avertissements.
4. Follow all instructions.
Suivez toutes les instructions.
5. Do not use this apparatus near water.
Ne pas utiliser cet appareil près de l'eau.
6. Clean only with a dry cloth.
Nettoyer uniquement avec un chiffon sec.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
Ne pas bloquer les ouvertures de ventilation. Installer conformément aux instructions du fabricant.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
Ne pas installer près de sources de chaleur telles que radiateurs, registres de chaleur, poêles ou autres appareils (y compris les amplificateurs) produisant de la chaleur.
9. Do not defeat the safety purpose of the polarized or grounding - type plug. polarized plug has two blades with one

wider than the other. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Ne détruisez pas la sécurité de la terre ou polarisées - fiche. Une fiche polarisée possède deux lames dont une est plus large que l'autre. Si la fiche fournie ne rentre pas dans votre prise, consultez un électricien pour remplacer la prise obsolète.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Protégez le cordon d'alimentation d'être piétiné ou pincé, particulièrement au niveau des fiches, des prises, et le point où ils sortent de l'appareil.

11. Only use attachments/accessories specified by the manufacturer.
N'utilisez que des accessoires spécifiés par le fabricant.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/apparatus, combination to avoid injury from tip-over.



Utilisez uniquement un chariot, stand, trépied, support ou table spécifiés par le fabricant ou vendu avec l'appareil. Quand un panier ou rack est utilisé, faites attention lorsque vous déplacez l'ensemble chariot / appareil, pour éviter d'éventuelles blessures en cas de chute.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

Débranchez cet appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant de longues périodes de temps.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Confiez toute réparation à un personnel qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé de quelque façon que ce cordon d'alimentation ou la fiche est endommagé, liquide a été renversé ou des objets sont tombés dans l'appareil, l'appareil a été exposé à la pluie ou à l'humidité, ne fonctionne pas normalement, ou s'il est tombé.

15. **WARNING:** The appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.

AVERTISSEMENT: La fiche d'alimentation (appareil coupleur) est utilisé comme dispositif de déconnexion, le dispositif de déconnexion doit rester facilement accessible.

16. No naked flame sources, such as lighted candles, should be placed on the apparatus.

Aucune source de flamme nue, telle que des bougies allumées, ne doit être placé sur l'appareil

17. Protective earthing terminal. The apparatus should be connected to a mains socket outlet with a protective earthing connection.



Borne de terre de protection. L'appareil doit être connecté à une prise secteur avec une prise de terre.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Overview

Thank you for purchasing Elura amplifier products. Elura is a high performance custom installed product engineered for commercial sound installations. Each Elura product is manufactured to the highest quality standard using the state of the art components and built for years of enjoyment.

Features

- 2U rack-mountable design
- Lightweight with high power output
- Speaker outputs of 70V or 100V and 2Ω, 4Ω, 8Ω
- LED Indicators for input, output, clip & protect
- Wired balanced & unbalanced inputs
- Stereo RCA inputs
- Stereo RCA link outputs
- Adjustable input level/sensitivity
- Switchable auto-on/standby mode
- High-pass filter (switchable)
- Low-pass filter (switchable & variable)
- Built-in signal limiter
- Output short circuit protected
- Dual cooling fans
- AC 110/230V 50-60 Hz AC power supply system

Front Panel

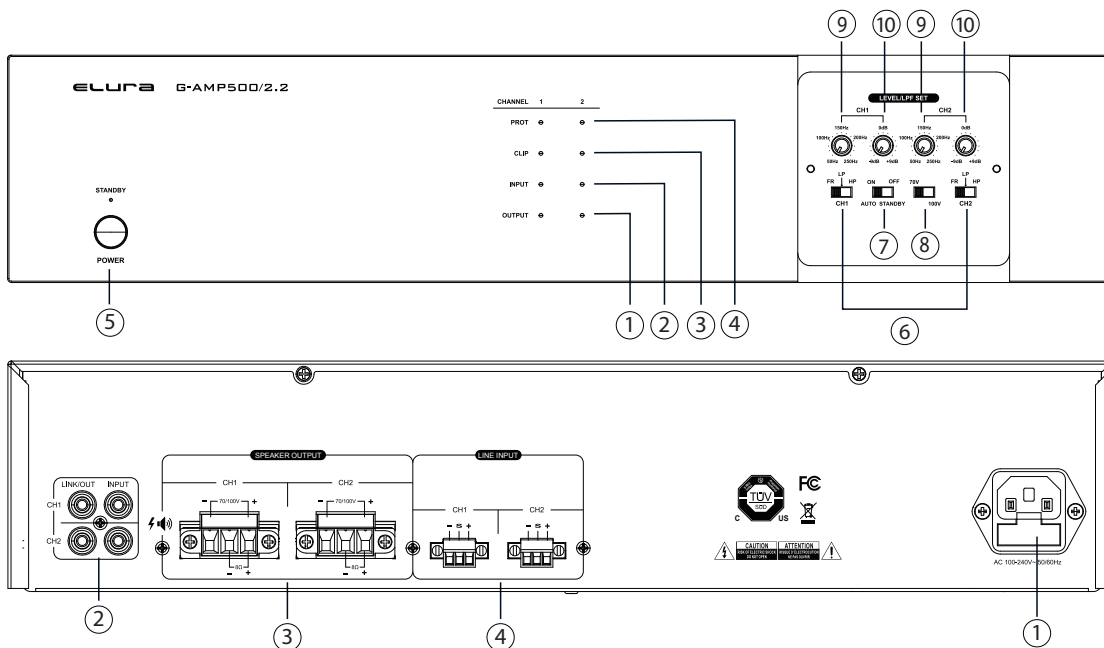
1. Output signal indicator
Flashes green when there is output at the speaker connectors.
2. Input signal indicator
Flashes green when input signal is present.

3. Clipping indicator
When the clipping indicator light is red, it means that the input signal is exceeding the working range of the amplifier and affecting the output sound quality. Once the input level is reduced, the clipping LED will not flash or stay on.
4. Protection/energy saving indicator
Lights up orange when the protection circuit is functioning.
NOTE: This indicator lights up when the heat sink is overheated or when DC voltage is detected at the amplifier output, when the speaker wire is short-circuited, when overloaded, and when the amplifier is automatically in standby. This indicator also lights up within 5 seconds after turning on the power while the amplifier is preparing for operation. When this indicator lights, the unit will not produce power to the speakers for protection. When startup is completed or the problem is eliminated, the indicator turns off and normal operation will resume.
5. Power on/off switch
Press the switch to toggle the power on and off.
Red: Standby
Blue: On
6. FR, LP, HP Configuration switches for Ch1 & Ch2
NOTE: FR = Full Range, LP = Low Pass Filter, HP = High Pass Filter
When the switch is set to FR the frequency response is 20Hz – 20kHz
When the switch is set to LP the frequency response is 20Hz – (50-250Hz) variable via control #8

7. Standby/auto-on configuration switch
With this switch in the OFF position, the amplifier will work via the front panel power button. With the switch in the ON position, the amplifier will come on when a signal is present at any of the inputs. The amplifier will go into standby after a period of time when the input signal is removed and come back on when the signal is present again.
8. 70/100V Switch
9. Variable low-pass filter (LPF) frequency adjustments
Used in conjunction with switches #6 to adjust the low-pass frequency from 50-250 Hz.
10. Audio input sensitivity (level) adjustment
Each control knob can adjust the volume of the corresponding channel within the range of -9dB to +9dB, which can be used for input signal amplitude compensation or sensitivity adjustment.

Rear Panel

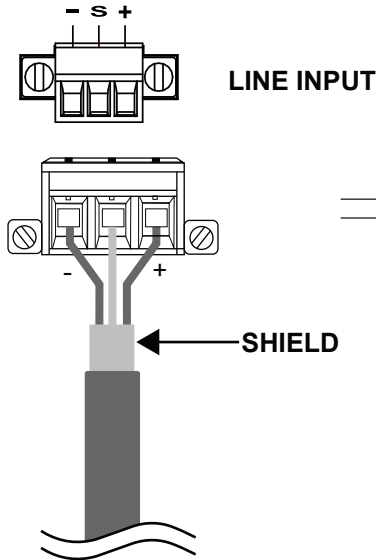
1. AC power connector
2. RCA line inputs & link outputs
NOTE: Use the RCA connectors on the right as the inputs. If necessary, the RCA connectors on the left can be used to link the output to another amplifier
3. Speaker outputs 2Ω, 4Ω, 8Ω or 70/100V
NOTE: The 100V terminals are compatible with 70V & 100V systems.
4. Balanced or unbalanced wired line inputs



Input Connections

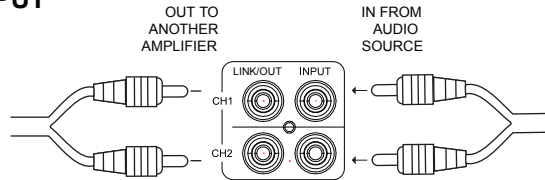
Balanced Audio Input

Use a shielded twisted-pair cable to connect to the terminal as shown below, pay attention to the signal wire polarity. NOTE: The shield is the center "S" connection



Unbalanced Audio Input Using the RCA Line Inputs

NOTE: Use the RCA connector on the right as the input. If necessary, the RCA connector on the left can be used to link the output to another amplifier



A 70V/100V line speaker system can be comprised of many speakers connected together. The determining factor for how many speakers can be used in a single amplifier is the power rating. For most purposes, it is advised to connect as many speakers as needed with a combined wattage of no more than 80% of the amplifier's output power rating. The terminals of a 70V/100V speaker are connected to a transformer and in some cases, this transformer may be "tapped" for different power ratings. The various taps can be used to adjust the wattage (and output volume) of each speaker in the system to help achieve the ideal total power requirement and sound level desired of the system for the amplifier.

Output Connections

70V/100V Line System Connections

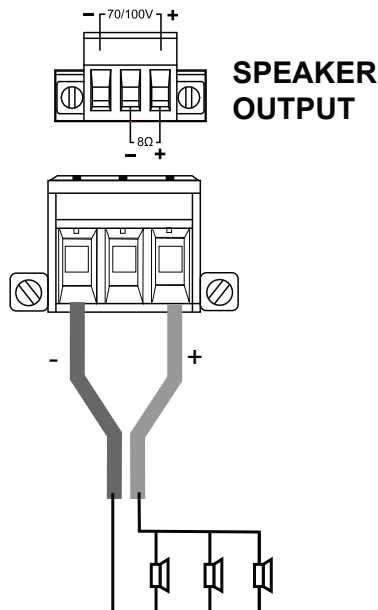
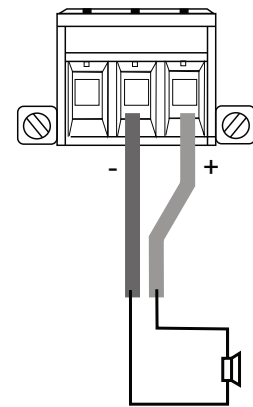
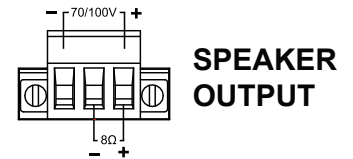
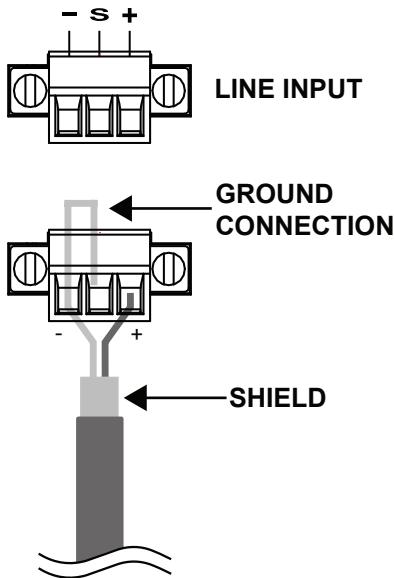
For 70V/100V line systems, connect the amplifier to the first speaker in the system using double-insulated speaker wire which is rated to handle the total output of the amplifier. Connect the (+) 100V output terminal to the positive (+) connection of the speaker and the (-) 100V output terminal to the negative (-) connection of the speaker. Connect further speakers in parallel to the first speaker with all positive terminals connected together and all negative terminals connected together as shown below. Set the speaker output switch to 70V or 100V depending on your system design.

Low Impedance Speaker Connections

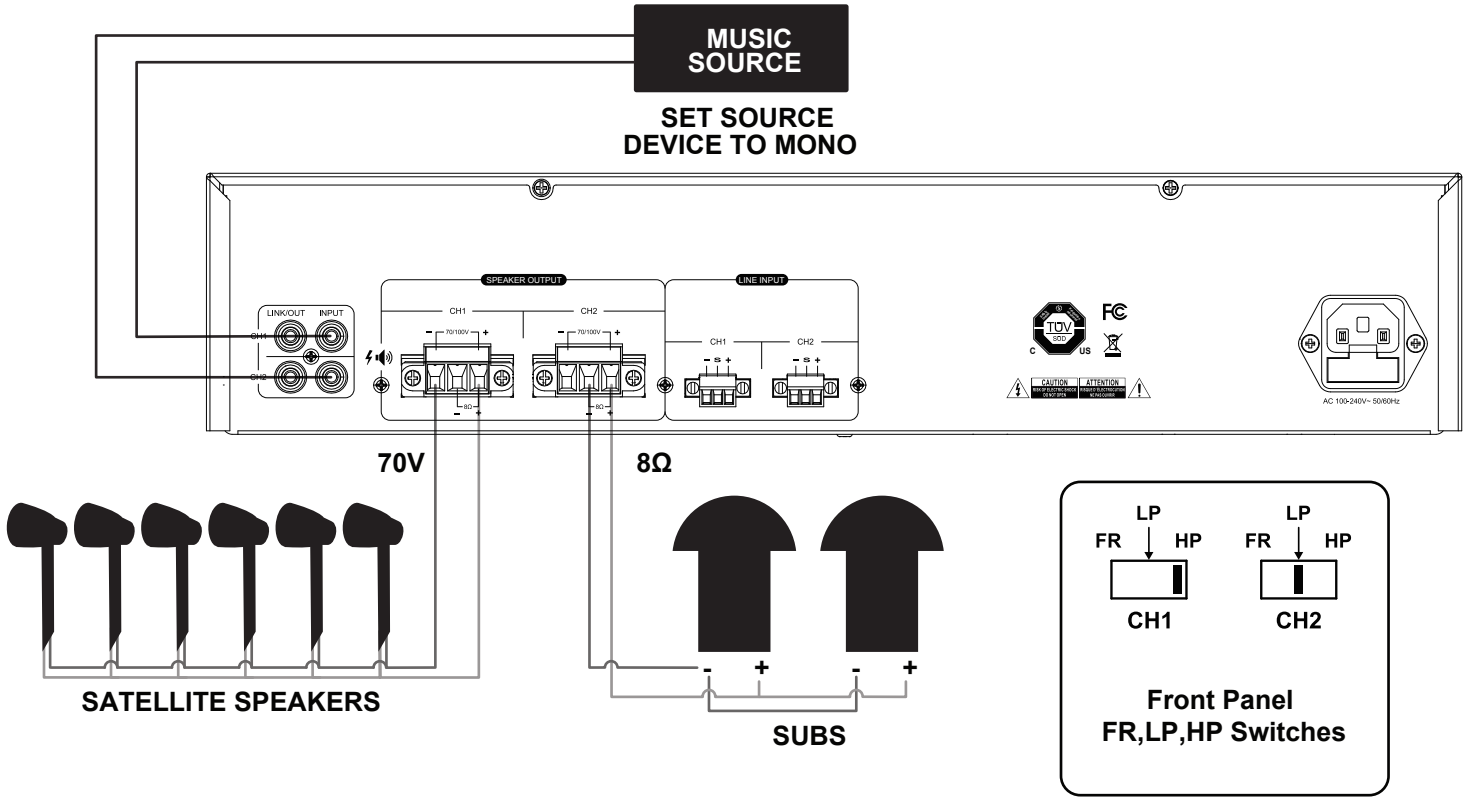
The 8Ω & COM terminals offer 3 low impedance outputs: 2Ω, 4Ω & 8Ω depending on the speaker connections. Please note that one wire only should be connected and one wire to the 8Ω speaker outputs as shown below.

Unbalanced Audio Input (Wired)

Use a single conductor shielded audio cable to connect to the terminal S shown below. NOTE: The "-" and "S" connect together for proper grounding and hum elimination.

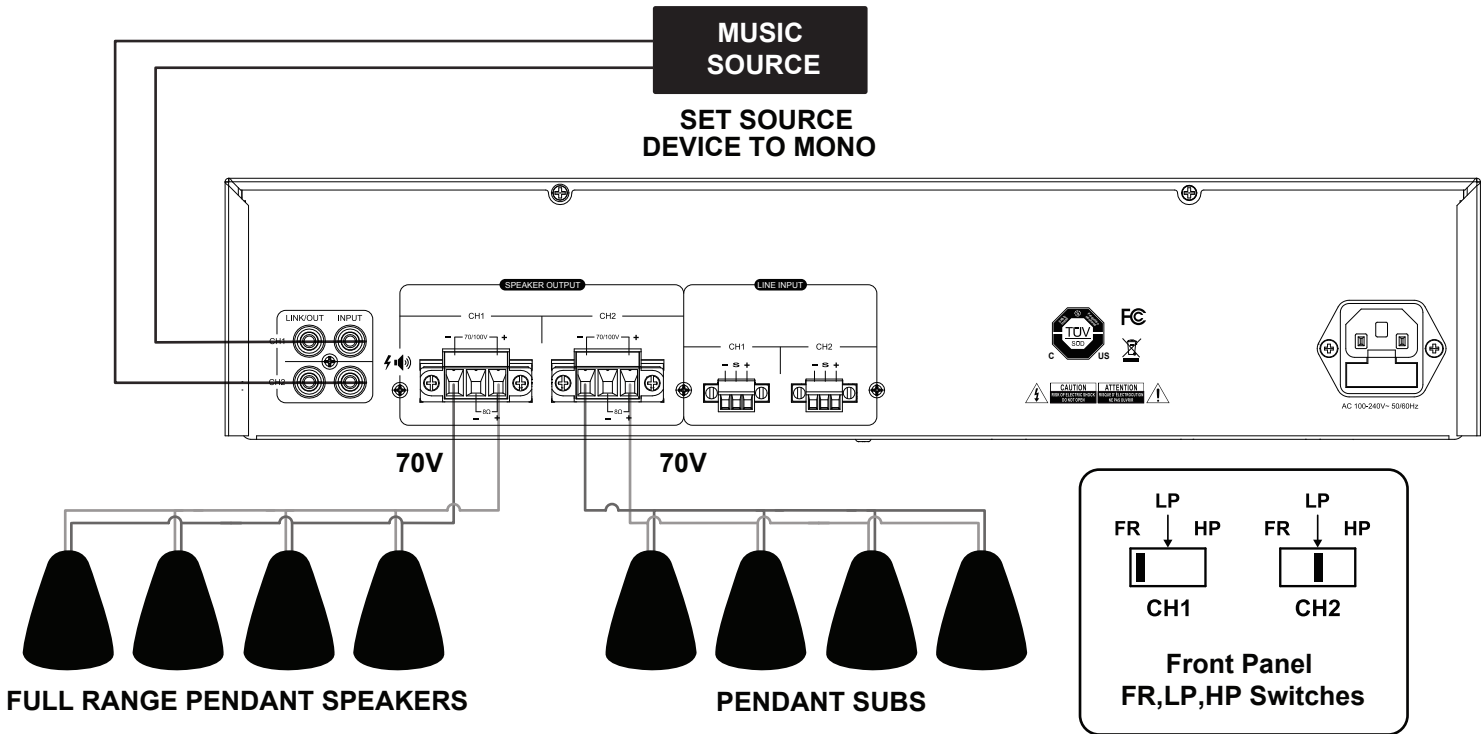


70V & 8Ω LANDSCAPE WIRING/X-OVER CONFIG



70V FULL RANGE + 70V SUB CONFIG

Note: set the front panel 70V/100V switch to 70V

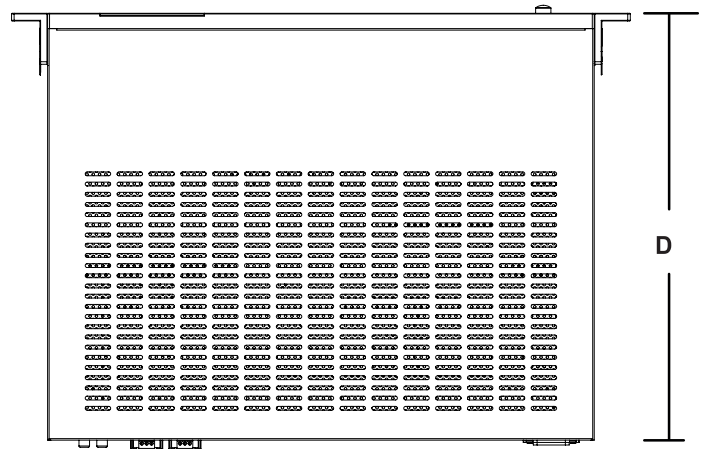
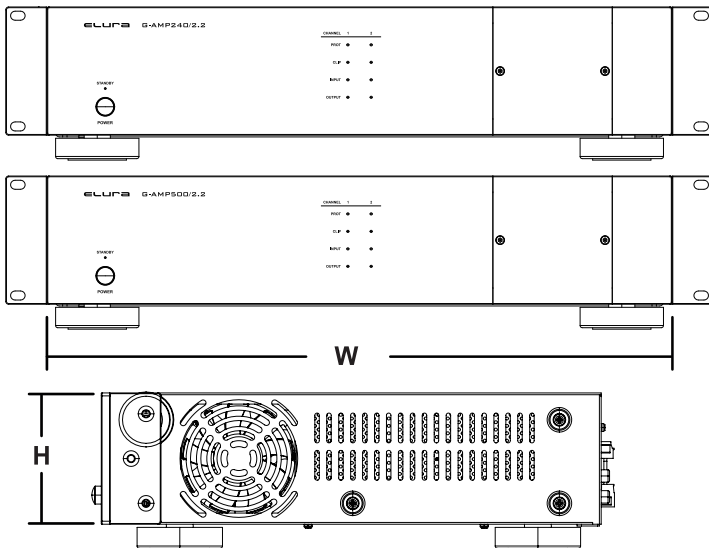


Note: set the front panel 70V/100V switch to 70V

Specifications

Model	G-AMP240/2.2			
Description	Class-D Two Channel Power Amplifier, 240W per channel			
Speaker Output	100V	8Ω	4Ω	2Ω
Rated Power Output (per channel)	240W	240W	240W	240W
Frequency Response	Full Range(FR) 20Hz-20KHz (+1/-2dB) HP ON 80Hz-20KHz (+1/-3dB) LP ON 20-(50Hz-250Hz) (+1/-3dB)			
Input	0.775V, 0 dBu, balanced phoenix connector by two channels			
Input Impedence	10KΩ			
THD	<0. 1% (1KHz/-3dBv, 100W)			
S/N Ratio	>80dB			
Crosstalk	>60dB, 1KHz, Max output			
Power Consumption	480W			
Power Requirement	100-120V/60Hz, 220-240V/50Hz			
Dimension (H x W x D)	89mm x 430mm x 335mm(3.5" x 16.93" x 13.19")			
Weight	6.3kg (14lb)			

Model	G-AMP500/2.2			
Description	Class-D Two Channel Power Amplifier, 500W per channel			
Speaker Output	100V	8Ω	4Ω	2Ω
Rated Power Output (per channel)	500W	500W	500W	500W
Frequency Response	Full Range(FR) 20Hz-20KHz (+1/-2dB) HP ON 80Hz-20KHz (+1/-3dB) LP ON 20-(50Hz-250Hz) (+1/-3dB)			
Input	0.775V, 0 dBu, balanced phoenix connector by two channels			
Input Impedence	10KΩ			
THD	<0. 1% (1KHz/-3dBv, 100W)			
S/N Ratio	>80dB			
Crosstalk	>60dB, 1KHz, Max output			
Power Consumption	1000W			
Power Requirement	100-120V/60Hz, 220-240V/50Hz			
Dimension (H x W x D)	89mm x 430mm x 335mm(3.5" x 16.93" x 13.19")			
Weight	6.3kg (14lb)			



Setup and Operation

- Make all appropriate input and speaker connections to the amplifier
- Set the Full range high-pass or low-pass switches to desired function
- If using the low-pass function, set the variable low-pass frequency adjustments to desired frequency
- Set the auto-on, standby switch to the desired function
- Turn the audio level rotary controls down to start
- Apply an input signal from an audio source
- Press the power button, it should illuminate blue to indicate the amplifier is "ON"
- The front panel "input" LEDs should indicate signal is present
- Start increasing the audio level controls until sound is heard
- Now fine-tune the level and frequency settings (if using the LPF function)

Troubleshooting

No audio

- Power cable to the amplifier is not fully or incorrectly connected or plugged into an outlet that does not have power. Check connections and verify power is on at the outlet. Verify the power button on the front panel is "BLUE".
- Audio cable to the source component is not connected properly, or the cable is defective.
- Check the audio source for output, try it with another amplifier.
- Check the input and output LED's on the front panel.
- Make certain the level controls on the front panel are turned up.
- Check the speaker output connections for proper polarity wiring and that no wires are shorted.

Hum or buzzing sound is heard

- Check input cables by removing them one at time (powering down the amplifier before disconnecting) and checking to see if a connection or cable is the problem.

Amplifier will not turn on

- The amplifier must be plugged into a live outlet.
- Check the Standby switch for Normal or Auto-On. If you are using Auto-On, an audio signal must be applied for the amp to turn on.

Audio is lacking low frequency or high frequency output

- Check the High-Pass and Low-Pass switch settings and the Low-Pass frequency adjustments on the front panel.

Product Warranty

The seller warrants the G-AMP240/2.2 and G-AMP500/2.2 free from defects in the material and workmanship for 2 years from the date of purchase from the seller or authorized dealer. Should this product fail to be in good working order within the warranty period, the product will be repaired or replaced provided that the unit has not been subjected to accident, disaster, abuse, or any unauthorized modification. This warranty is offered by the seller for its buyer with direct transaction only. This warranty does not apply to products that have been abused, incorrectly installed, modified, disassembled and/or repaired by anyone other than Elura or our appointed repair facility.

A unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the buyer. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number. The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty, all of which are expressly disclaimed. Proof of sale may be required in order to claim warranty.

The content of this manual has been carefully checked and is believed to be accurate. However, the seller assumes no responsibility for any inaccuracies that may be contained in this manual. Also, the technical information contained herein regarding the features and specifications are subject to change without further notice.

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