

# Sound LAB<sup>®</sup>

## SoundLab Mixer Amplifier G743AA User Manual

Thank you for buying a professional Soundlab mixer amplifier. This product incorporates the latest in mixer amplifier technology and should provide the user with high quality trouble free sound for many years. To help you derive the most from you Soundlab mixer amplifier please carefully read the following user manual.

User Manual for G743AA (M415P)

### Important Notes

1. This manual is part of the product and should be kept with the unit at all times. Please read it carefully before using the product. A copy of this manual is available on request [www.electrovision.co.uk](http://www.electrovision.co.uk)
2. This is a professional product and is not designed for use in a domestic environment.



#### **Safety Precautions**



#### **Risk of Electric Shock**

1. This product must be earthed at all times.
2. Connection to the mains should be by the mains lead supplied. Fixed installations should only be undertaken by a qualified person.
3. The product and the mains lead should be checked regularly for damage. Any repair should only be undertaken by a qualified person. The product and the mains lead should be tested each year by a qualified person (this is a legal requirement).
4. Do not expose this product to rain, moisture, extremes of temperature, acids, alkalis or any other corrosive or reactive agents. Failure to do so may lead to a risk of fire, electrical shock or product failure/damage.
5. Make sure the power supply is switched off before connecting this product to the mains supply. All volume controls should be set at zero.
6. Do not attempt to open the enclosure. There are no user serviceable parts inside. All repairs/inspections should be undertaken by a qualified person.
7. Disconnect from the mains when not in use.
8. This amplifier can produce high sound pressure levels that can lead to hearing damage. It is the user's responsibility to regulate the sound level according to the environment it is used in. In fixed installations the

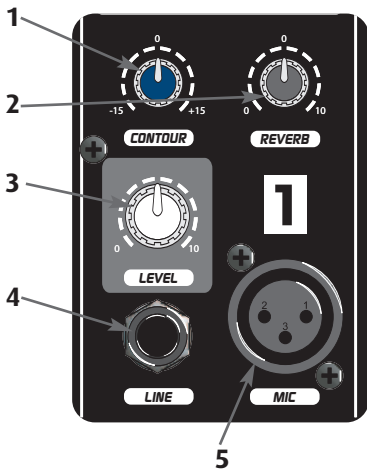
use of a sound-limiting device is recommended. This can be viewed at [www.electrovision.co.uk](http://www.electrovision.co.uk).

9. Do not allow liquid or foreign objects to be inserted into this product. Should this happen by accident do not attempt to repair the product. Repairs should only be undertaken by a competent person.
10. Do not subject the product to heavy impacts. This can cause internal damage that can go unnoticed by visual inspection.
11. This mixer amplifier is heavy. Take care when lifting. Seek advice if you are not sure how to lift an item correctly.
12. The mixer amplifier should be placed on a safe, stable and level surface that is vibration free. Always make sure the product is stable and cannot fall when in use. When used on a mobile stand always check the stand is capable of accepting the weight of the product. The stand should be checked for defects before mounting the product. Never use this product on a stand that is damaged or is not capable of accepting the weight of the product.
13. This product is not suitable for domestic use.
14. When used in a fixed installation the product should be installed by a qualified person in accordance with the relevant health and safety legislation.

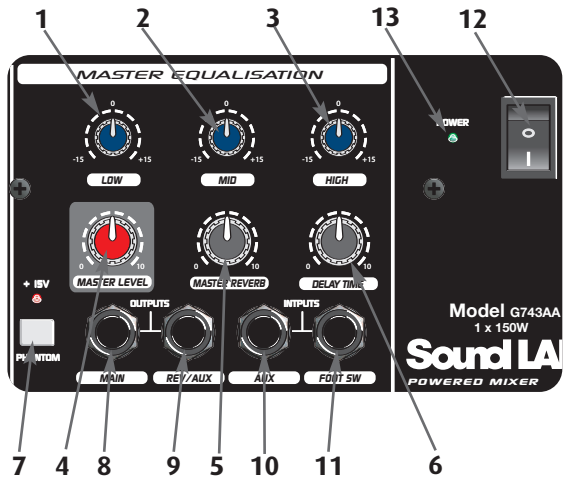
### **Operating Precautions.**

1. Do not turn the amplifier up so that the sound becomes distorted. This will damage the speakers and could damage the internal amplifier. This is not covered by the guarantee.
2. Make sure this product is switched off and all volume controls are turned down before connection to the mains (see controls and functions). All items connected to the unit (CD players, electric instruments etc.) should be switched off and volume controls turned down before connection to the mains (see instruction books for the appropriate product). A surge protection device is recommended for use with this product. The amplifier should be switched on first and then connected products.
3. Position the product correctly and safely before switching on. See item 13 of the safety precaution guide.
4. Only use high quality interconnecting leads. They will improve the sound quality. These can be viewed at [www.electrovision.co.uk](http://www.electrovision.co.uk)
5. This product should only be cleaned with a damp cloth. Do not use any cleaning agents such as detergents or solvents.
6. Do not use any spray cleaners or lubricants on any of the controls or switches. Make sure the speakers are connected before switching on. The speaker leads should be checked for damage before use. Only use high quality speaker leads. These can be viewed at [www.electrovision.co.uk](http://www.electrovision.co.uk)

Diag. 1



Diag. 2



## Controls and Functions

### Channels 1-4 (Diag. 1)

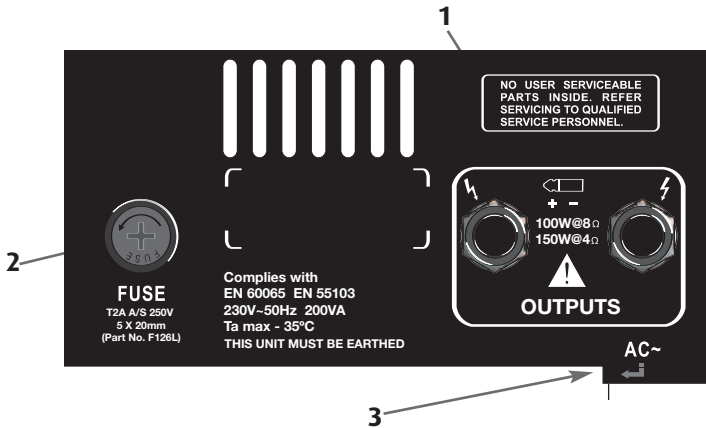
1. **Contour.** A tone control that increases or decreases the treble frequencies for the channel (+/- 10dB @ 10K.)
2. **Reverb.** Sets the Level of internal reverb for the channel when used in conjunction with the master reverb level.
3. **Level.** Increases or decreases the channel level relative to the other channels being used. The level should be turned all the way down when not in use.
4. **Line.** 6.35mm (1.4") high impedance input that accepts line level source equipment.  
Rated input level : 0dB  
Input impedance : 22K Ohm
5. **Mic.** XLR balanced line input optimised for a microphone or other low impedance sources. Pin 2 is positive. This connector has a 15V phantom power supply on pins 2 and 3 at all times when used with the phantom power button (see Dia 2 item 7). Pin 1 is ground).

#### Warning.

Because of the phantom power only connect microphones or products with low impedance balanced line outputs. Always check the manufacturer's specifications before connecting.

## Output controls (Diag. 2)

1. **Low.** Increases or decreases the amount of bass (low deep sound such as drums etc.) frequencies on the post mixed sound.
2. **Mid.** Increases or decreases the amount of mid frequencies (such as vocals, lead guitars etc.) on the post mixed sound.
3. **High.** Increases or decreases the amount of high (treble) frequencies on the post mixed sound
4. **Master Level.** Controls the overall volume level of the system.
5. **Master Reverb.** Controls the amount of reverb in the main mix.
6. **Delay Time.** Increases or decrease the time factor of the reverb unit (6).
7. **Phantom.** Provides a 15V phantom power to channels 1-4 when pressed down.  
Warning : Make sure all channels are turn down before turning this on or off. Do not plug or unplug microphone after this is switched on. Do not use this if you are using any unbalanced products connected to the 3 pin XLR. It can cause damage.
8. **Main (Output).** 6.35mm (1/4") full output for sending a source signal to another amplifier.
9. **Rev/Aux (send output).** 6.35mm output for use with external effects products.
10. **Aux (Input,)** 6.35mm Input for allowing a line level input into the main mix. The internal reverb unit does not effect this input.
11. **Foot SW.** 6.35mm input for use with a latching foot switch (push to make, push to break). The footswitch is used to turn the reverb unit on or off. Foot switches can be view @ [www.electrovision.co.uk](http://www.electrovision.co.uk)
12. **On/off switch.** Switches the mains power on or off.
13. **On/off Power LED.** When illuminated the Led indicates that the product is receiving power.

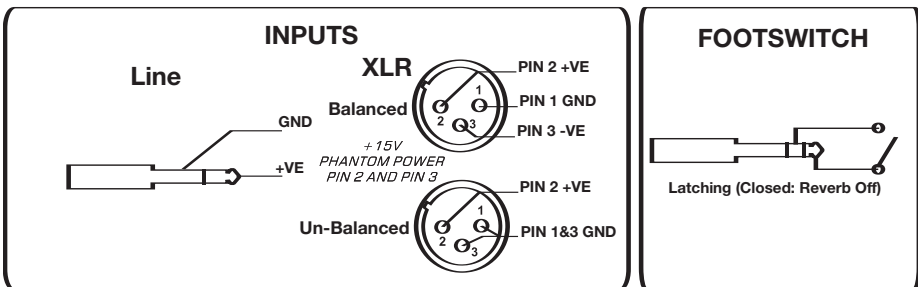


Diag. 3

**Rear. (Diag. 3)**

1. **Speaker Outputs** 6.35mm output for connection to speakers.  
Warning. Do not connect or disconnect the speakers while the unit is switched on. All connections should be made before switching on the power and all volume controls should be turned all the way down.
2. **Fuse holder.** Contains the fuse that protects the product.
3. **Mains cable.** Connects the product to the mains supply.  
Warning. Make sure all connections have been made and all volume controls have been turned down before switching on.

**Connections**



## Specifications

Total harmonic distortion .....less than 0.5% 20 Hz-20 KHz  
Frequency response .....20 Hz-20 KHz  
S/N ratio .....>80dB  
Channel EQ .....High 12 KHz  
.....Mid 2.5 KHz  
.....Low 80 Hz  
Power Supply .....230Vac @ 50 Hz  
Weight .....10Kg  
Dims .....438 x 270 x 134mm

<b>Inputs</b>	<b>No</b>	<b>Mode</b>	<b>Input Impedance</b>	<b>Level</b>	<b>Connector</b>
Microphones	4	Balanced	2K Ohm	-30dB	XLR
Line In	4	Unbalanced	22K Ohm	0dB	Mono 6.35mm Jack
Aux In	1	Unbalanced	10K Ohm	0dB	Mono 6.35mm Jack

## Outputs

Power Outputs .....8 Ohm 100W RMS  
.....4 Ohm 150W RMS  
Line Out .....Unbalanced >600 Ohm Mono 6.35mm Jack  
Rev/Aux Out .....Unbalanced >600 Ohm Mono 6.35mm Jack



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