



DA82

Distribution Unit

User Guide

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The DA82 is a compact distribution amplifier, configurable for mono (1x8) or stereo (2x4) operation.

Each input and output is switchable between calibrated and uncalibrated mode, allowing instant adjustment of input sensitivity and output level. All inputs and outputs are electronically balanced on XLR's .

The DA82 is ideal for O.B. vans, sound reinforcement systems, theatres and any application where its ease of installation and setup will be greatly appreciated.

The DA82 is built in accordance with EMC and safety regulations encompassed by the CE marking, guaranteeing trouble free integration into systems.

2.0 TECHNICAL SPECIFICATIONS

ELECTRICAL

Input Impedance	20K Ω Balanced
Maximum Input Level	+20dBu
Input Gain	Adjustable -6 to +6dB
Output impedance	75 Ω Balanced
Recommended Output Load	600 Ω to Infinity
Maximum Output Level	+20dBu
Output Gain	Adjustable -12 to +6dB
Frequency Response 20Hz to 20KHz	+0, -1dB
Total Harmonic Distortion 1KHz, +4dB	0.05%
Noise 20Hz to 20KHz	-98dBu

PHYSICAL

Input Connectors	XLR 3 pin Female Pin 2 Hot
Output Connectors	XLR 3 pin Male Pin 2 Hot
Size	W 482mm, D 164mm, H 44mm
Weight	2.9 Kg
Shipping Weight	3.6 Kg
Temperature Range Operating Storage	-0° C to +50° C -30° C to +75° C

IMPORTANT: PLEASE READ THIS SECTION BEFORE USING THE DA82

3.1 INSPECTION AND UNPACKING

The DA82 has been carefully packed at our factory in a carton designed to withstand handling in transit.

Should the unit appear to have been damaged in transit, **do not** discard any of the packing material and notify the carrier immediately as it is he who is responsible.

The carton should contain -

- The DA82 unit
- Power cord
- Operator Manual (this book)

If any of the above is missing, notify your supplier immediately.

3.2 OPERATING ENVIRONMENT

The DA82 is designed to operate between 0 and 50°C (32-122°F) with relative humidity no more than 80%. Should the unit be installed in an equipment rack, ensure that the environment conforms to these levels.

Should the unit be installed in an equipment rack, it is important to ensure that the operating temperature inside the rack does not exceed the upper limit. This could be the case where the rack contains power amplifiers, a cooling fan may be necessary in such installations.

3.2 POWER REQUIREMENTS

The voltage is normally pre-selected at the factory for the country of destination, a sticker will indicate the voltage the unit has been set for.

3 versions exist:

230V

110-125V

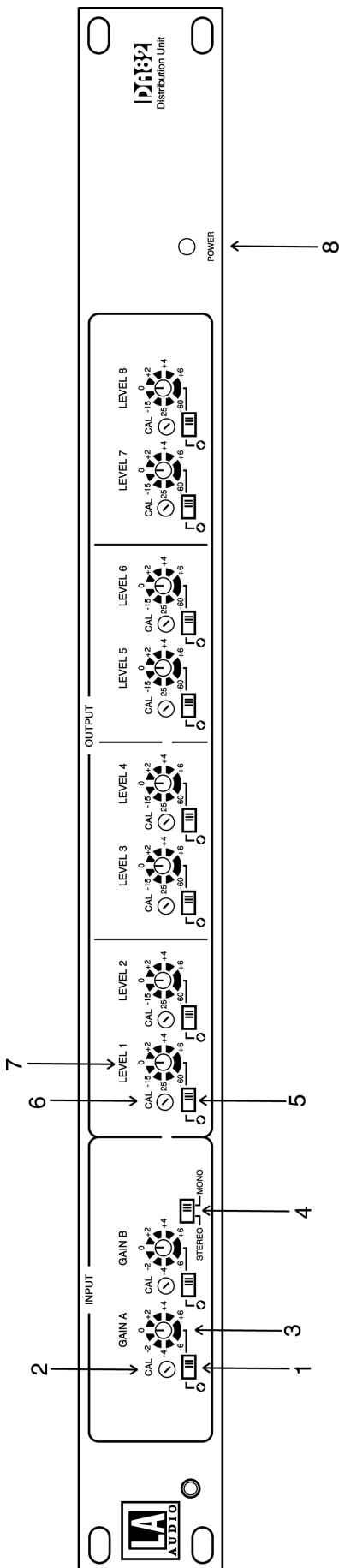
100V

Ensure that the correct fuse is used

0.1 Amp Quick Blow for 200 - 250V

0.2 Amp Quick Blow for 100 - 125V

4.0 DESCRIPTION OF CONTROLS



1. Cal/Uncal switch. Switches gain control between pot and trimmer adjustment.
2. Cal trimmer adjustment for input gain, ranging from -6 to $+6$ dB. Requires a flat-bladed screwdriver.
3. Uncal potentiometer adjustment for input gain, ranging from -6 to $+6$ dB.
4. Stereo/Mono mode switch: In stereo mode, input A is routed to odd numbered outputs, while input B is routed to even numbers. Mono mode feeds input A only to all eight outputs. Output gains remain independent in both stereo and mono modes.
5. Cal/Uncal switch. Switches output volume control between pot and trimmer adjustment.
6. Cal trimmer adjustment for input gain, ranging from -6 to $+6$ dB. Requires a flat-bladed screwdriver.
7. Uncal potentiometer adjustment for output volume, ranging from -6 to $+6$ dB.
8. Power indication light. Glows blue when unit is operational.

Your LA Audio DA82 has been manufactured to a high standard using quality components. If correctly installed and operated the unit should give years of problem free operation.

However in the event of a defect in material or workmanship causing failure of the unit within one year of the date of original purchase we will agree to repair, or at our discretion replace, any defective item without charge for labour or parts. To receive service under this warranty it is necessary to return the unit to an LA Audio authorised service centre or to the factory with a dated receipt as proof of purchase. After repair the unit will be returned to you free of charge.

Limitations:

This warranty does not cover damage resulting from accident or misuse. The warranty is void unless repairs are carried out by an authorised service centre. The warranty is void if the unit has been modified other than at the manufacturers instruction. The warranty does not cover components which have a limited life, and which are expected to be periodically replaced for optimal performance. We do not warrant that the unit shall operate in any way other than as described in this manual.