



SL2000 SOUND LIMITER KIT

INSTALLATION INSTRUCTIONS

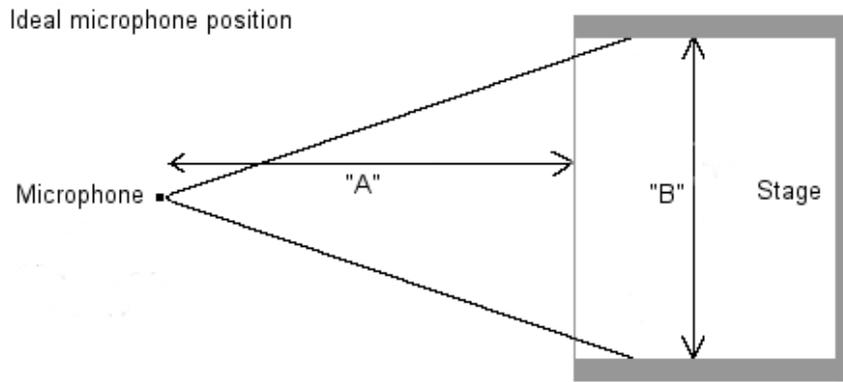
**ALWAYS CONTACT A COMPETENT ELECTRICIAN
IF YOU HAVE ANY DOUBTS ABOUT ELECTRICAL WIRING.**

All wiring must be installed in accordance with IEE regulations and it is assumed that any persons attempting to fit the SL2000 kit are familiar with electrical wiring protocols.

Refer to the SL2000 manual for connection details.

1. Installation

- Find a suitable position for the SL2000 main unit and fix securely using the screw holes provided. This will usually be at a height of 2m or more above floor level. For smaller venues where a 2 gang socket outlet is sufficient the power supply can be obtained by replacing a socket on the ring main with the 45amp switch. In this case the SL2000 should be sited above the socket for ease of wiring. (Take care when fixing – there may be concealed cables.)
- Find a suitable position for the microphone unit, avoiding locations that are too close to the noise source. In a typical venue, with the stage area at one end, the microphone should be positioned centrally, away from the stage at a minimum distance equal to the stage width. (See diagram below.) If there is more than one source of noise the microphone should ideally be positioned equidistant from each source. The microphone is connected to the main unit using the single core screened cable. Try to avoid running the cable alongside any mains cables as this may affect the operation of the unit.



Distance "A" should be equal to or greater than distance "B"

3. The remote indicator must be situated where it can be seen from the stage and can usually be positioned adjacent to the microphone. For ease of fixing double sided sticky pads can be used to avoid damaging the case. Connect the indicator unit to the main unit using the 4 core cable which can be clipped alongside the microphone cable. It is not important which colour cores are used as long as the cores are connected in the same order at both ends.
4. Fit the metal socket outlet at a suitable height (approximately 600mm above floor level) and connect to the 2CN2 output connector at the main unit using the 6mm twin & earth cable.
5. Finally, ENSURING THAT THE MAINS POWER HAS BEEN SWITCHED OFF, connect the 2CN1 terminals at SL2000 to the mains using the 6mm twin & earth cable. If the SL2000 is not wired back to the consumer unit on its own separately fused circuit the 40 amp switch should be used to provide isolation.

All surface mounted mains cables should be protected using 20mm conduit or mini trunking (available at most DIY stores).

It is important to ensure that musicians / DJs connect their equipment to the socket outlet which is controlled by the sound limiter and it is advisable to blank off any other power sockets in the vicinity of the stage to avoid confusion.

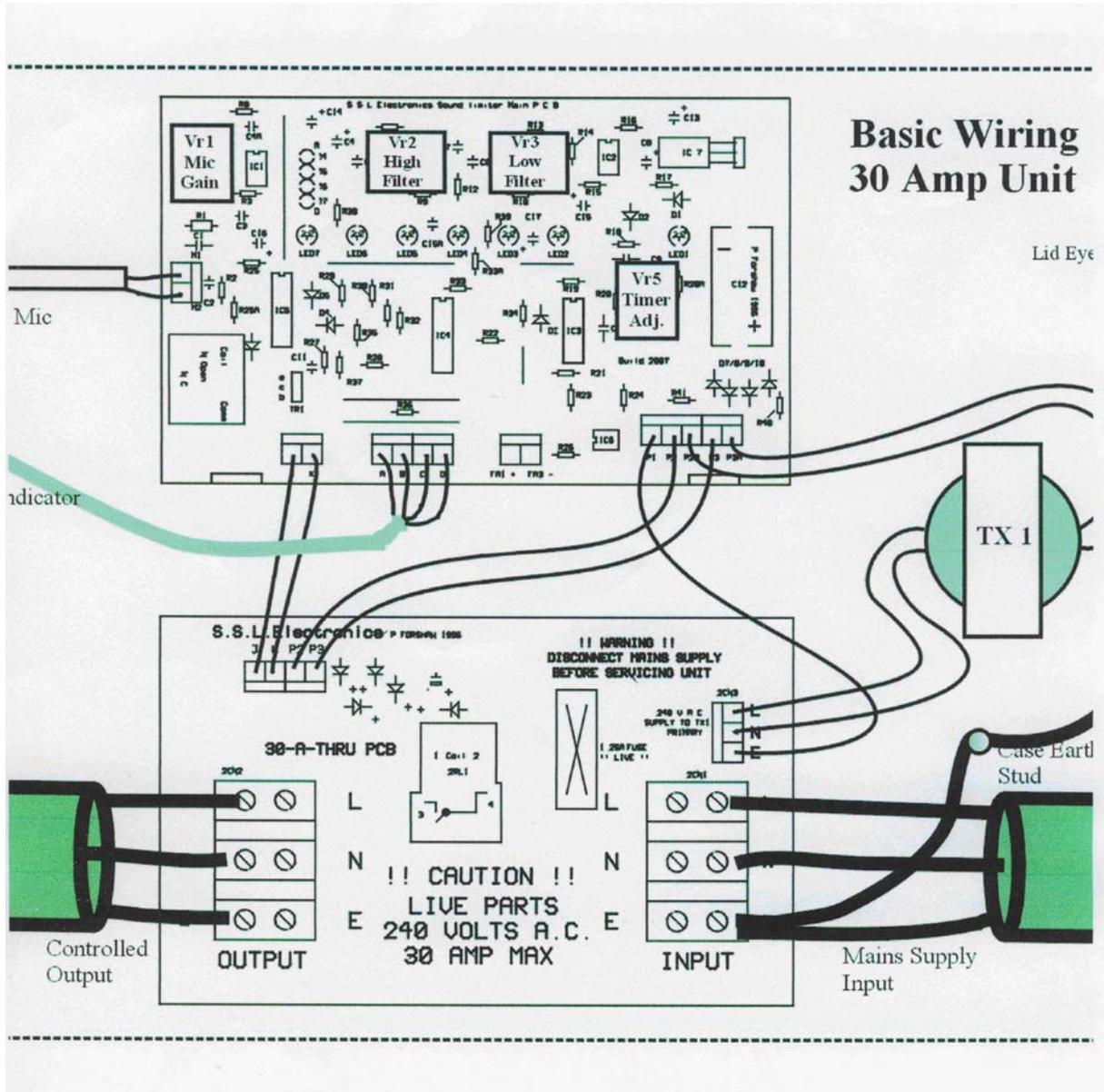
6. **Adjustment**

Take care when carrying out adjustments inside the SL2000 as live parts are exposed once the cover is removed.

A suitable noise source will be required with a sound level sufficiently high to carry out the following procedure. Standing outside of the venue, one person monitors the sound level using the sound pressure level meter. Another person inside the venue adjusts the volume until the maximum permissible level outside is just exceeded. (This must be agreed with the local environmental health office but is usually around

45db at the perimeter of a residential premises.) Referring to the SL2000 manual, adjust VR1 (and VR2 / VR3 if required) until the unit triggers. Connect the sound source to the Sound limiter controlled socket and with the keyswitch in the active position, ensure that power is disconnected from the sound source when the maximum permissible sound level is exceeded.

DIAGRAM OF CIRCUIT BOARDS



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