



SL2000PP - PLUG AND PLAY SOUND LIMITER KIT

Instructions for Use

IMPORTANT always disconnect from mains socket before opening the unit, there are exposed live parts inside.

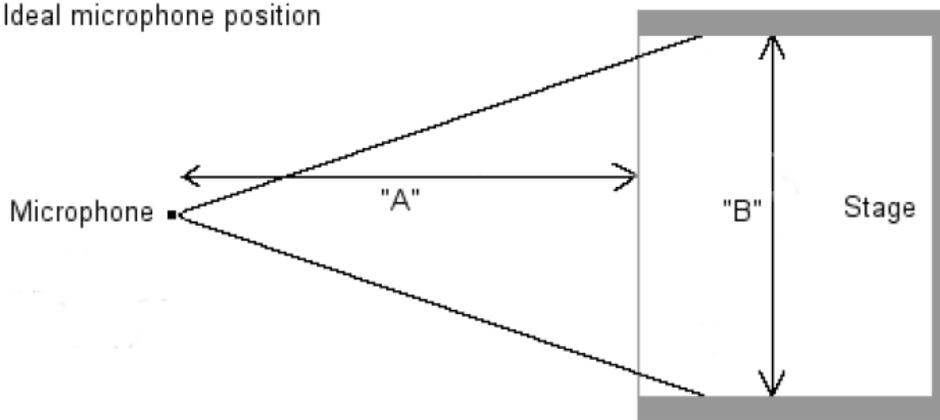
The plug and play SL2000 can be used as a portable unit. However it will require adjustment whenever moved and we therefore recommend permanent installation where possible.

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 approximately 1.4 metres above floor level. The SL2000 should be sited adjacent to a 240 volt mains socket outlet for ease of connecting. (Take care when fixing – there may be concealed cables.)

With the plug and play version of the SL2000 the microphone is housed inside the main unit. The ideal position for optimum sound pick up is shown in the diagram below, although this is seldom possible due to the all in one design of the unit. If there is more than one source of noise the microphone should ideally be positioned equidistant from each source.

Ideal microphone position



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

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. Additional locking socket covers can be purchased for this purpose.

2. Adjustment

Note: With the plug and play version of the SL2000 VR1 (The overall sensitivity control) is accessible without removing the cover. Insert a small, flat bladed screwdriver in the hole approximately 50mm to the right of the word 'Active' on the front cover of the unit. The control is **not** marked in order to help prevent tampering. Turn the screwdriver anticlockwise to reduce the sensitivity or clockwise to increase it. (Do not use force. If the control will not turn in a certain direction it may be at maximum or minimum.)

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 slightly exceeded. (This must be agreed with the local environmental health office but is usually around 45db at the perimeter of a residential premises.) Adjust VR1 until the unit triggers (T1 - T4 indicators light).
- 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.

Finally fit the SocketSafe to the mains outlet to which the sound limiter will be connected. (Follow the instructions supplied with the Socketsafe.) This is necessary in order to prevent unplugging / bypassing of the unit and to obtain environmental health department approval. If permanently installed sound equipment is to be controlled by the Plug and Play SL2000 it will also be necessary to fit a locking cover to the socket on the front of the unit. This will prevent the equipment being plugged into an alternative uncontrolled mains outlet.

Please Note. The timer LEDs T1 to T4 on the front of the SL2000 are NOT a sound level meter. They indicate the length of time for which the preset sound level has been exceeded. Normally the OK light should be on or flashing. When the sound level becomes higher than that set using VR-1 the first timer LED (T1) will light. Each subsequent LED (T2 to T4) will light after approximately 2 seconds. The Resetting LED lights when power is disconnected. The complete process takes around 10 seconds. If at any time during this process the sound level falls below the trigger threshold the whole sequence will begin again.