

DESCRIPTION • UNPACKING • MOUNTING • INSTALLATION

DESCRIPTION

The SLX C1 is a dedicated controller for use with the SLX 2080/2180/2182/2280 subwoofers. It has a built-in variable low-pass filter with frequency control and a custom subsonic filter with balanced output that feeds the input signal to the amp, eg, Sonodyne SLA series, driving the subwoofer. Also included are a gain control and a phase control.

The output level, crossover frequency and phase can be changed with the help of the controls mounted on the front panel.

UNPACKING

To unpack the unit, open the carton by cutting along the edge of the flaps. Push the flaps wide open. Inside you will find

- 1 x SLXC1 controller wrapped in a protective bag and EPE buffers
- 1 x IEC mains cord

Carefully lift the unit from the EPE buffer. Inspect the unit for any sign of damage.

RACK MOUNTING

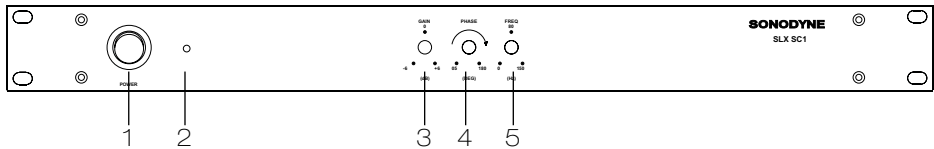
The controller has 1 RU rack-mounting slots that permit it to be mounted in a rack.

INSTALLATION

Important safety instructions

1. The unit should be connected only to a wall outlet providing the correct mains voltage and frequency as printed on the product.
2. Connect the unit to the mains only with the mains cable supplied with the unit.
3. Ensure that the wall outlet is properly earthed, that is, the earth must be connected to an earth bus-bar which connects to other audio equipments and is not shared by noisy equipments like computers, air-conditioners, lighting appliances etc. The earth connection must be checked and certified by a qualified electrical engineer.
4. Do not cover the unit or block the ventilation holes on the back and front which may cause it to heat up and malfunction.
5. Do not open the unit or attempt to service it yourself. There is no user-serviceable part inside. Refer servicing to qualified service personnel only.
6. Replace only with the same type and rating of fuse as printed on the product.
7. Do not overload wall outlets that provide power to this unit.

CONTROLS & SWITCHES: FRONT PANEL



1. POWER SWITCH

This is a rocker type power switch that turns on power to the system.

2. POWER INDICATOR

This lights up when power is switched on.

3. GAIN CONTROL

This controls the output level. The control has a range of -6dB to +6dB. When turned all the way down, it attenuates the output by 6dB. At mid position, the gain is 0dB, and at extreme (clockwise max) position, the gain is 6dB.

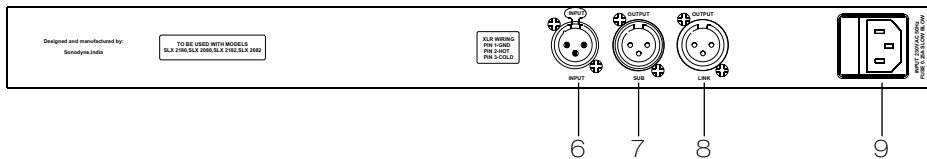
4. PHASE CONTROL

This allows you to fine tune the phase of the subwoofer at the listening position. The procedure for adjusting the phase is given in the section under Setup. It allows you to change the phase from 0° to 180°. At the extreme anti-clock-wise position, the phase is 0°.

5. FREQ CONTROL

This is the crossover frequency control of the subwoofer. The range is 50Hz to 150Hz. At mid position, the frequency setting is 80Hz.

CONTROLS & SWITCHES: REAR PANEL



6. INPUT

Connect the output of your source equipment such as mixer, to this socket. This is a fully balanced input. Pin connections are:

1: ground 2: hot or positive 3: cold or negative.

7. OUTPUT

Connect this to input of your amplifier such as the Sonodyne SLA series. The output is a fully balanced XLR type. Pin connections are:

1: ground 2: hot or positive 3: cold or negative.

8. LINK

This is connected in parallel to the OUTPUT socket, with identical pin connections

9. AC INLET SOCKET

This is a fused 3-pin IEC AC receptacle for connecting to a wall outlet with the cable supplied.

Ensure that the wall outlet is properly earthed, that is, the earth must be connected to a earth bus-bar which connects to other audio equipment and is not shared by noisy equipment like computers, air-conditioners, lighting appliances etc. The earth connection is also required in the interests your own safety, should any fault occur. Please check that the wall outlet is capable of providing the current requirement of the product, printed on the back panel near the IEC AC socket.

- Connect the output of source equipmentsuch as mixer, to the input socket (XLR female connector) of the SLX C1controller using balanced cable which is a 2-core screened cable with XLR connectors on either end. Pin connections are 1 ground, 2 hot or positive, and 3 cold or negative. Both single and double subwoofer configurations are shown above.
- Check that the utility outlet for powering the SLX C1 controller is of matching voltage and frequency printed on the back panel. Also ensure that the earth of the IEC socket is connected to the safety earth of the premises through a separate conductor so that it does not share the earth with noisy equipments such as air-conditioning, lighting equipment or computers.
- Connect the mains cable of the controller supplied with the unit, to the utility wall outlet after you have connected all other equipments. Switch on the SLX C1 first. Switch on power to the amplifier last. That way, you will not hear any nasty turn-on thumps which may be damaging to your ears and equipment.
- An LED indicator on the front of the controller unit will light up. This indicates that your unit has powered up and is ready for operation.
- Initially maintain the following settings:
 - o Keep PHASE control to 0° (extreme anticlockwise) position
 - o the frequency control to 150Hz (extreme clockwise position),
 - o Leave the gain control at mid or 0dB position.

Play a known recorded source material. Depending on the placement of your speaker and your personal preference, you may want to adjust the level, phase and frequency controls, which are explained in details under Front Panel Controls and Switches.

TROUBLESHOOTING

SYMPTOM: No power (Indicator does not light up)
POSSIBLE REMEDIES:

1. Check that the mains cable is properly plugged into the wall outlet.
2. Check that correct voltage is available from the wall outlet.
3. Check that the fuse in the IEC AC socket has not blown. Replace with spare fuse inside the fuse cover if fuse has blown.
4. Check that the power switch is turned on.

SYMPTOM: No sound
POSSIBLE REMEDIES:

1. Check that input cable is plugged in.
2. Check that level control of the AV receiver is not turned all the way down.
3. Check that cable connection is OK- there should be continuity for each of the pins between one end and the other.

SYMPTOM: Distorted sound
POSSIBLE REMEDIES:

1. Check whether output level from console or source equipment too high, causing overload of input stages
2. Check for loose cable contacts.

SYMPTOM: Buzz/hum
POSSIBLE REMEDIES:

1. Unplug the input cable or cables one by one, till the buzz disappears. If buzz does not disappear, your monitor unit is faulty.
2. Check that the cable contacts are OK- replace with a cable that is known to be good.

SPECIFICATIONS



OUTPUT	Fully balanced through male XLR socket
LINK	Female XLR socket, wired in parallel to Output socket
MAXIMUM OUTPUT VOLTAGE	8V
S/N RATIO	100 dB, referred to full output
THD+ NOISE	0.01 % or less
INPUT	Fully balanced through XLR socket
GAIN CONTROL RANGE	-6dB to +6dB, 0dB at center position
FREQUENCY CONTROL	50 Hz ~ 150 Hz
PHASE CONTROL	0 degree to 180 degree
CONTROLS	Gain, Frequency and Phase on front
SWITCHES	Power switch on front.
INDICATOR	Power indicator on front
POWER REQUIREMENT	230 V AC, $\pm 10\%$, 50 Hz
DIMENSIONS (H x W x D) mm	44 x 482 x 165
FINISH	Black Painted
MOUNTING OPTIONS	Rack-mounting
WEIGHT	51kg

Due to continuous improvements, all specifications are subject to change



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