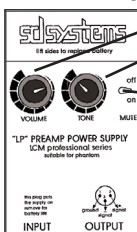


LCM85 professional series

for wind and brass instruments

LP Preamp (XLR output)

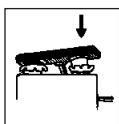


- Volume:** adjusts volume.
- Tone:** cuts high frequencies. (When turned to maximum the high frequencies are fully cut.)
- On/off-switch:** may be used as mute-switch (on stage), but will not turn the power off.

LP preamp

Battery placement

Open the battery compartment of the preamp. Firmly attach the battery-clip to a 9V battery of good quality. With some batteries one of the connection-points may be loose, which may cause sound interruption. (See figure.) The led indicator will flash when the jack is being plugged in: this means the battery is OK. The electronics use a low current: battery life is 1 to 2 years (with normal use).



battery

After you attach the clamp to your instrument (see instructions below), attach the preamp to your belt and insert the jack plug of the microphone into the input of the preamp. This turns on the power. The power supply in your preamp will be turned off when you remove the plug. (Unplugging after your performance will save battery life.)

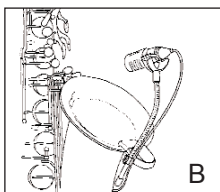
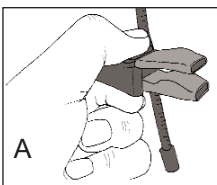
Warning: Turn down the fader on the mixer before inserting or removing the jack plug. This will prevent the loud 'click' through the PA system which could cause damage to the speakers.

Windscreens

With the LCM85 a foam windscreen is supplied for outdoor concerts.

Attaching the microphone to saxophones

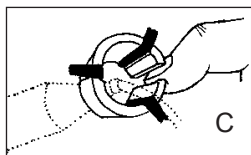
Attach the clamp system to the rim of the bell. Only the rubber feet may be in contact with the bell. (See figure A.)



Position the microphone element above the bell, but point it a little in the directions of the left hand keys, by bending the flexible gooseneck. (See figure B) This way, every pitch will be reproduced on the same level.

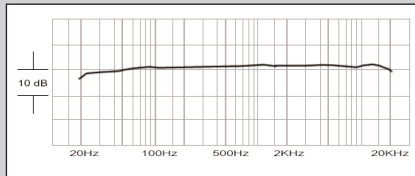
In case the rubber bands of the clamp break, you can replace these with the spare bands that are supplied. To replace the bands, remove the microphone from the clamp.

When you replace the microphone element in the ring, make sure the rubber bands stay in the grooves of the transparent ring. To do this: expand the inner ring a little by pressing a finger between the slit. Insert the microphone making sure that the rubber bands remain positioned inside the grooves. (See figure C.)



Attach the microphone with the rubber bands around the top of the clamp.

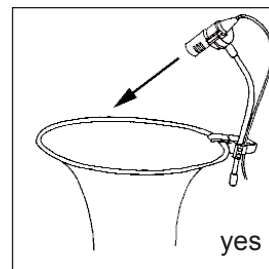
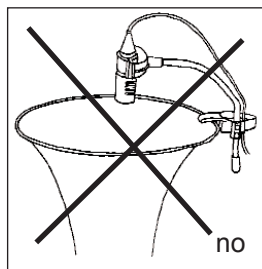
Specifications LCM85



Type: back electret condenser microphone
 Polar pattern: cardioid / unidirectional
 Frequency response: 20-20000 Hz
 Sensitivity at 1 KHz: -66dB
 Output impedance: 200 Ohm
 Max. sound pressure level: 138 dB at 1% THD
 Powering: 9 Volt battery or with 16 to 52V (6k) universal phantom power
 Current consumption: <1 mA
 Output: XLR balanced output

Attaching the microphone to trombones, tubas, euphoniums

Position the microphone as indicated in figure below. Do not position the microphone too close to the centre of the bell, but bend it only a little, about one quarter from the edge. (See figures.)



Colour of sound and 'popping'

It is possible to adjust the colour of your sound by changing the position of the microphone. Pointing the element in the direction of the left hand keys will enhance the high tones. This position will also reduce the 'popping' effect of a high sound pressure level (SPL), which can be very high in the center of the bell.

Connection to mixer

LP Preamp (XLR/ mic level output): connect the output of the preamp to the input of the mixer with an XLR cable.

This preamp can also operate on phantom power supply from your mixer (48-52V).

For wire schematics, check: <http://www.sdsystems.com/wrsconn.htm>.

Warning: to avoid feedback, do not play your instrument directly opposite your speaker cabinet!

For more suggestions on how to avoid feedback, check our website.

Wireless

All SD SYSTEMS microphones can be used with most wireless systems. For instructions on how to connect the microphone to the transmitter, please check: <http://www.sdsystems.com/tech/>

Warning

This microphone system is for exclusive use of miking instruments only as described in this manual. The set should be used with a 9 volt battery only. No user serviceable parts inside. Keep away from heat. The total length of your instrument increases when using the LCM85 microphone system.

Please follow the instructions on the Warranty card.

Also available in our professional series



LCM89 for sax



LCM70 for flute



LCM77 for trumpet