

# LINEARCOM3000

## INTERCOM SYSTEM DESKTOP STATION LC3.SS1001

### Operation manual



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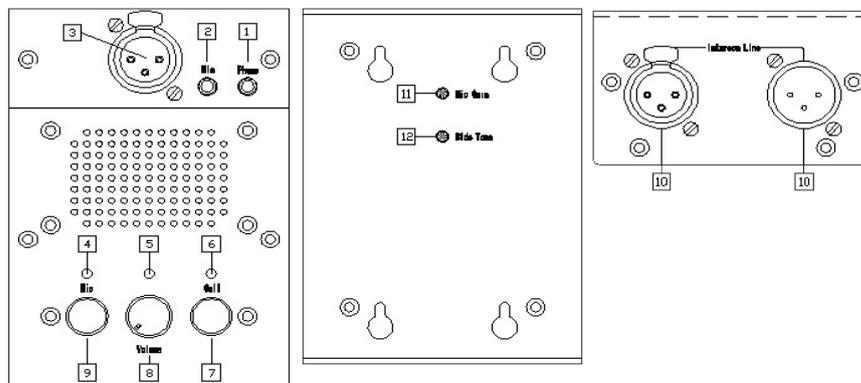
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LC3.SS1001 desktop station can work with any LINEARCOM3000 intercom standard main station and it is suitable for TV station, communication command center, outside broadcast van, show, project test field and other applications where communication is required. This system adopts wired connection, and has following features, free of external emission interference, stable and reliable performance, flexible configuration, full-duplex communication, clear and loud communication sound, easy operation, and strong noise resistance.

## 1. QUICK START

1. Use appropriate 3-pin XLR line cable connecting station to an intercom main station. If station is receiving DC power, the power LED will light up.
2. Turn volume control knob to the end anticlockwise and plug in the microphone or headset.
3. Press Mic button and the green indicator above button will be ON, which indicates that the microphone is turned on.
4. Adjust the Sidetone control (use a small screwdriver and insert it into the hole at bottom) and volume level and ensure that the sound level for your own voice from the earphone is adjusted to minimum.
5. Press the Call button to send a talk request.
6. After the completion of talk, press the Mic button again, the indicator will be Off and the microphone will be turned off.

## 2. BASIC OPERATIONS



### 1. 3.5 mm earphone jack

### 2. 3.5 mm microphone jack

### 3. Goose-neck microphone connector

3-pin XLR female connector.

Pin 1 -- Mic common

Pin 2 -- Mic hot

Pin 3 -- Null

### 4. Mic LED

A green LED indicator. When Mic switch is turned on, this light will be ON.

## 5. Power LED

A green LED indicator. When SS1001 is powered on, this light will be ON.

## 6. Call LED

A red LED indicator. When a call signal from the intercom system is received, this light will be ON, indicating that there has a talk request of some station.

## 7. Call button

Pressing down this button will send a call signal to the intercom system, and the LED indicator above it will be ON to indicate that the call function is activated.

## 8. Volume control

This knob is used to control the level of audio signal received from the intercom line, and can be used to adjust the volume of internal speaker and earphone.

## 9. Talk button

The talk button turns the microphone circuit on and off. Press button, the Mic LED will light, that indicate the microphone is turned on, and the sound from the microphone will be sent into the intercom line. This button controls an internal flip circuit. When it is pressed once, the circuit will be turned on, and the Mic LED indicator will be ON; when it is pressed again, the circuit will be turned off, and the Mic LED will be OFF. When the connection between SS1001 and any LinearComm300 intercom main station is established, the Remoting-Mic-Kill button of the main station can turn off the microphone of the SS1001 remotely.

## 10. Intercom Line

A pair of 3-pin XLR male and female connectors parallel connected at internal for loop through connection of the intercom station. XLR-3 configuration pin outs:

Pin 1--Common

Pin 2--DC supply (12-30V)

Pin 3--Audio signal

## 11. Mic Gain

It is used to increase or decrease the gain for panel microphone to achieve proper microphone output level. It has no effect on the sensitivity of the headset microphone. The microphone is set according to the Electret type before delivery. If the type of panel microphone is changed, re-adjustment is required.

## 12. Sidetone Controls

It is in the hole at the bottom of the unit, and can be used to adjust the sound level of your own voice that you can hear while you are talking, aiming to decrease sound feedback and avoid squeal. When making adjustment, turn on the Mic key and adjust volume to proper level, then make a sound against microphone, or make a sound via rubbing microphone with finger. At the same time, use a small screwdriver rotate the knob at clockwise and anticlockwise slowly, until the sound or rubbing sound is minimal.

## 3. SPECIFICATIONS

<b>Pre-amplifier (from microphone to line)</b>	
Dynamic headset Mic impedance	200 ohm
Voltage gain	49 ± 3 dB
Bandwidth	40 Hz - 8000 Hz ±2 dB
<b>Headphone amplifier (from line to load)</b>	
Load impedance	50 - 600 ohm
Voltage gain	31 ± 3 dB
Harmonic distortion	<0.1%(1000 Hz)
Bandwidth	200 Hz - 8000Hz ±2 dB
<b>Others</b>	
SNR	>72 dB
Current	<120 mA
Power range	12 - 30V DC
Environment	-10 ~ 55°C
Dimension	105 x 87 x 48 mm

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