

ML620e : 6 Channel Expansion Microphone / Line Mixer

1. Introduction

ML620e Microphone Mixer have been devised that the signal from balanced microphone or line upto 6 channels supply to a balanced output through a matching transformer.

Each input can be controlled by gain volume / tone(HI,LOW) volume and this unit have the RCA jacks to connect Aux. Input / Output.

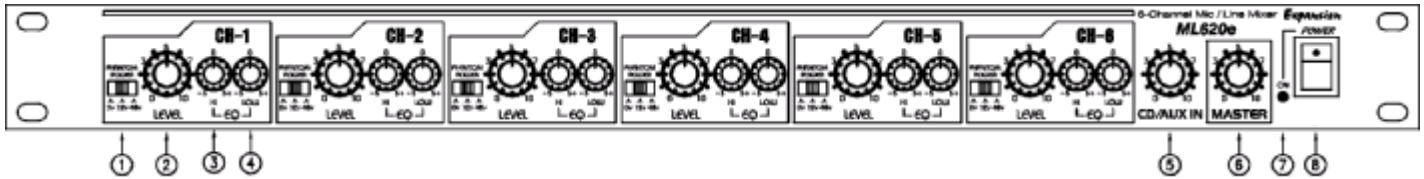
Each channel phantom power have the selectable switch for OFF / 12V / 48V, which would be very useful for customer in multi-purpose.

Especially two XLR outputs in master output can be connected to a recording and amplifier.

1U size 19" rack mountable of ML620e could be installed easily in the standard rack case.

2. Operating Elements and Connections

A. ML620e FRONT VIEW



Phantom Power Selector Switch(PHANTOM) : Phantom power OFF/12V/48V selector switch.

Gain controls(1CH-6CH) : Adjust gain for microphone level inputs and auxiliary level inputs 1CH-6CH

HI Control((1CH-6CH) : This controls high frequency ton of each channels. Always set this control to the 12 o'clock position, but you can control the high frequency tone according to the speaker, the condition of listening position and listener's taste. clockwise rotation of the control increases level and vice versa.

LOW Control((1CH-6CH) : This has the function which controls the low frequency tone of each channels and operation method is same as high.

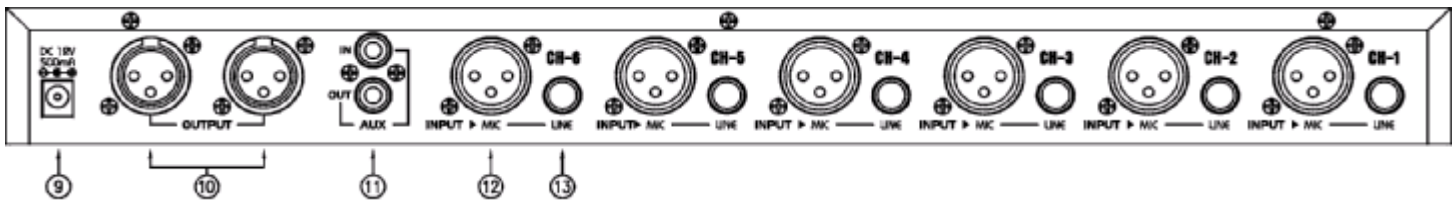
Auxiliary Channel Gain Control(AUX IN) : Adjust the auxiliary channel input gain.

Master Gain Control(MASTER) : Adjust overall output level.

Power Indicator(ON) : LED illuminates when the unit is plugged in and receiving power.

Power ON/OFF Switch(POWER)

B. ML620e REAR VIEW



Power Jack : This 2.5mm pin jack accepts power from the DC12V 500mA power adaptor supplied with the unit.

Output Connector(OUTPUT) : Two Outputs Balanced XLR connector.

Auxiliary Connector(AUX)

AUX-IN : RCA jacks connects to consumer-level audio sources.

AUX-OUT : RCA jack feeds consumer-level audio equipment.

Microphone Input Connector(INPUT) : Balanced XLR input connector(1CH-6CH).

Line Input Connector(LINE) : These are to be connected with line sources, such as deck, tuner, keyboard, etc.(1CH-6CH).

3. Specification

Gain (at 1 kHz, ± 3 dB)

Equalizer

Hi - - - - - ± 8 dB / 10KHz

LOW - - - - - ± 5 dB / 100Hz

INPUTS	OUTPUTS	
	Lo Impedance Mic	Aux
Balanced Lo Impedance Mic	+31 dB	+71 dB
Balanced Line	+3 dB	+35 dB
Aux	-20 dB	+20 dB

Frequency Response (ref 1 kHz)

Input Impedance

Balanced Lo Mic - - - - - 2 k

Balanced Line - - - - - 20 k

Aux - - - - - 47 k

Output Impedance

Balanced Lo Mic - - - - - 150

Aux - - - - - 2 k

Input Clipping Levels (Min.)

Balanced Lo Impedance Mic - - - - - -22 dBV

Balanced Impedance Line - - - - - -3 dBV

Aux - - - - - -1 dBV

Output Clipping Levels (Min.)

Balanced Lo Impedance Mic - - - - - -20 dBV

Aux - - - - - +9 dBV

Distortion Outputs (1 kHz)

Balanced Lo Impedance Mic - - - - - Less than 1%, -34 dBV

Aux - - - - - +6 dBV

Phantom Power Voltage - - - - - 0V, 12V or 48V selectable

Input Power - - - - - DC 12V~14V, 300mA~500mA (Adaptor Included)

Dimension (WxHxD) - - - - - 483 x 44.5 x 130(mm)

Weight - - - - - 1.7 kg