

Mixers

DLM-821 DUCKING LINE MIXER



The DLM-821 Stereo Ducking Line Mixer is designed for permanent installations involving multiple microphones or stereo line-level sources such as restaurants, boardrooms, nightclubs, health clubs, houses of worship, sports bars or wherever you need to manage audio and provide paging in a single or dual zone application.

The DLM-821 is housed in an all-steel, 1RU chassis and uses euroblock connectors for all audio connections. There are eight stereo inputs of which the first four channels are selectable to accept mic or line levels. Eighteen-volt phantom power is available on the mic inputs. Channels one and two are used for ducking inputs that duck the outputs of channels three through eight. Internal switching allows you set the ducking depth and trigger threshold. Designed and built in the USA, the DLM-821 has an all-steel chassis, contains only quality components and has a five-year warranty.

FEATURES:

- Eight Stereo Or Sixteen Mono Inputs (Four Mic/Line)
- Eight Stereo or Sixteen Mono Inputs
- Individual Left, Right and Mono Outputs
- Mono Output Switchable between Mic and Line Level
- Channel 1 - 4 Selectable Mic or Line Inputs
- Ducker (Ch 1. or Ch 2.) Ducks Outputs 3 - 8
- Channel One Priority Override
- L & R Level Meters w/Clip Indicators Monitor all Internal Amplifiers
- +18V Phantom Power on Mic Inputs
- Individual Channel Mute Switches
- Stereo Output Mute Switch
- Stereo Headphone Output with Level Control
- Internal Power Supply

Specifications:

Input:

Line 1-4: active balanced
 Impedence 2.3K ohm
 Max Input Level +23dBu
 Line 5-8: active balanced
 Impedence 20K ohm
 Max Input Level +23dBu
 Mic 1-4: active balanced
 Impedence 2.3K ohm
 Max Input Level -7dBu

Output:

Master Out (L,R) quasi-balanced
 Impedence 200 ohm
 Max Output Level +22dBu
 Master Out (Mono - Line) quasi-balanced
 Impedence 200 ohm
 Max Output Level +22dBu
 Master Out (Mono - Mic) quasi-balanced
 Impedence 200 ohm
 Max Output Level -17dBu

Connections:

Thd: < .05 % At +20 dbu, 20 hz-20 khz

Hum & noise

(20 Hz-20 khz): < -100 dbu residual output noise, all levels at minimum
 < -83 Dbu master out, master level and one input level at nominal (unity gain)

Frequency response:

± 0.2 Db 20 hz-20 Khz

Voltage gain:

0.0 ±1 Db —ch. Inputs or sub inputs to master outputs, levels at nominal
 25 ± 1 Db —ch. Input to master outputs, levels at maximum
 56 ± 1 Db —ch. 1 Or 2 input in mic position to master outputs

Crosstalk:

< -80 db adjacent inputs or input to output at 1Khz; < -60 db adjacent inputs or input to output at 20 khz

Ducker depth:

-20db, -90db

Ducker threshold:

-30dbu line, -60dbu mic

Ducker selection:

ch. 1 & 2 To duck ch. 3-8, Ch.2 Disable, left or right disable

Ducker priority:

ch. 1 Priority enable

Vu meters:

two 5-segment led meters. 0 Vu = +4dbu

Peak indicators:

left and right peak clip indicators illuminate when any internal signal amplifier is 3 db below clipping

Power requirements:

98 - 125 vac , 50-60 hz, 15 watts. (240 Vac available)

Dimensions:

19" l x 1.75" H x 7.3" D (483Mm l x 44.5Mm h x 184mm d)

Shipping weight:

10 lbs. (4.5 Kg) shipping, 7.2 Lbs. (3.3 Kg) net

