

# olive

WHENEVER THERE IS A NEED



OLIVE ELECTRO DYNAMICS INC.  
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## Compressor/Limiter

The compressor/limiter provides 40 dB or more of adjustable compression and limiting. A lamp indicates the amount of gain reduction to facilitate visual monitoring of several channels simultaneously. The sensitivity of the lamp may be set to indicate 10, 20 or 30 dB of gain reduction. An input level control sets the threshold of compression. An output level control sets the overall gain with compression. Three gain reduction ratios establish the mode of operation. Adjustable attack and release times permit these parameters to be set according to program content. A DS switch places a reciprocal voice energy filter in the control loop.

## Specifications

Attack Time:	Adjustable between 15 $\mu$ S and 3 seconds.	
Release Time:	Adjustable between 50 mS and 5 seconds.	
Gain Reduction Ratios:	Selectable 2:1, 5:1, 30:1.	
Harmonic Distortion:	20 dB compression: Less than 0.5% 30 Hz to 20 kHz.	
Controls:	Attack Time Release Time Gain Reduction Ratio Lamp Sensitivity Input Level Output level DS	15 $\mu$ S—3 seconds 50 mS—5 seconds 2:1, 5:1, 30:1 -6, -12, -18 dB Adjustable Adjustable On/Off

## Equalizer

The equalizer provides four separate and distinct sections, thus allowing simultaneous equalization effects at four parts of the spectrum. The wide range of each section permits dramatic effects which are not available from earlier equalizers. For example, by using the two mid range sections at the same or adjacent frequencies, narrow or broad peak curves may be achieved. Using all sections, it is possible to have over 30 dB of boost or cut at certain frequencies. Fast, convenient selection and accurate visual indication of operating parameters is assured by lever actuated switches. A novel circuit technique using several op amps preserves low noise and distortion.

## Specifications

Sections:	Four: Low, Mid 1, Mid 2, High
Functions:	Low frequency shelf boost, shelf cut and flat. Mid frequency peak boost, dip and flat. High frequency shelf boost, shelf cut and flat.
Degree of Boost or Cut:	0 to 12 dB in 1 dB increments.
Frequencies of Boost or Cut:	1/3 octave increments Low: 50, 63, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600 Hz High: 1100, 1300, 1700, 2200, 2600, 3400, 4400, 5200, 6800, 8800, 10000, 14000 Hz 1/2 octave increments Mid 1 & 2: 220, 310, 440, 620, 880, 1200, 1800, 2500, 3500, 5000, 7000, 10000 Hz
Controls:	4 12-position lever actuated switches to set degree of boost or cut. 4 12-position lever actuated switches to set frequency of boost or cut. 4 3-position toggle switches to set boost, cut or flat.

## Noise/Leakage Gate

The noise leakage gate permits the deletion of unwanted signal during quiet passages, gating of one or more channels by a master channel as well as several novel keying effects. A threshold control sets the level at which the device operates. A range control sets the amount of gain reduction during operation and a release control sets the time required for gain reduction to fall to zero.

A ten position key bus selector permits gates to be linked together. An internal/external selector allows keying to be controlled by either the internal signal or a bus selected by the key bus selector. A positive/negative key switch sets the mode of the device, i.e. gain reduction without signal, gain reduction with signal.

## Specifications

Attack Time:	15 $\mu$ S	
Release Time:	Adjustable between 50 mS and 5 seconds.	
Distortion:	Less than 0.5% 30 Hz to 20 kHz.	
Range:	Adjustable between 0 dB and greater than 80 dB.	
Controls:	Threshold Range Release Time Key Key External key	0—80 dB 50 mS—5 seconds Internal/External Positive/Negative Bus 1—10

# PRICE LIST

# OLIVE SERIES 2000

The following systems are an indication of typical Series 2000 prices. However, consoles are always built to specific customer requirements and thus prices will vary slightly depending on exact requirements. Contact your nearest Olive distributor or the factory for a quotation on a system tailored to your needs.

Qty of Inputs Supplied	Qty of Inputs Wired	Qty of Echo Channels	Qty of Jacks	Qty of Frames	Price
12	16	2	384	4	\$ 56,000
16	16	2	384	4	62,500
16	20	4	576	5	70,000
20	20	4	576	5	76,000
20	24	4	768	5	77,000
24	24	4	768	5	83,500
24	32	4	768	6	85,500
32	32	4	768	6	102,000

Above systems are priced with 16 input monitor mixers, 16 program outputs, conventional VU meters and all hardware required. Following options may be added to any of the above systems.

24 Input Monitor Mixer in place of 16 Input	Add	\$ 3,000
Sequential Display in place of conventional VU meters	16 Channel Add	1,000
	24 Channel Add	1,500
Digital Clock.....		1,200
Phase Oscilloscope .....		500
Spectrum Display .....		1,500
Auxiliary Power Supply with Automatic transfer system .....		2,875
Automated Remix Programmer	16 Function	10,000
	32 Function	12,000
	64 Function	15,000

All prices in Canadian Dollars. Sales and Export/Import duties, taxes extra, where applicable. Freight to North American destinations included.

