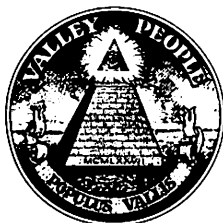


dyna-mite™

Multi-Function Dynamics Processor

A Product of VALLEY PEOPLE, INC., Nashville, Tenn.

SWITCH SETTINGS				FUNCTIONAL MODES	
S1 (DET)	S2 (MODE)	S3 (DET)	BASIC USE AREAS	PARAMETERS	
1.	-	OUT	-	Bypass	Fixed gain. . . OUTPUT control active.
2.	INT	LIM	AVG	Apparent Level Limiting	Ratio = Inf:1, AVG detection of input signal, RANGE control inactive. See THRESHOLD/OUTPUT GAIN COUPLING*.
3.	INT	LIM	PEAK	Electrical Peak Limiting	Same as above, except PEAK detection of input signal.
4.	INT	LIM	GATE	Negative Limiting for "Organ Effects"	RATIO = 1:-20, PEAK detection of input signal, RANGE control active. As input signal exceeds THRESHOLD, a 1dB increase causes a 20dB decrease in output level.
5.	DS-FM	LIM	AVG	De-essing, FM Limiting	Same as #2, except Hi Freq EQ inserted in detector path.
6.	DS-FM	LIM	PEAK	De-essing, FM Limiting	Same as #3, except Hi Freq EQ inserted in detector path.
7.	DS-FM	LIM	GATE	Modified Negative Limiting	Same as #4, except Hi Freq EQ inserted in detector path.
8.	EXT	LIM	AVG	Inverse Envelope Follower, or "Soft Ducking"	Signal gain is determined by LEVEL of EXTERNAL SIGNAL. A 1dB increase of EXT SIGNAL (over THRESHOLD) causes a 1dB decrease in signal gain. AVG detection, RANGE active.
9.	EXT	LIM	PEAK	Inverse Envelope Follower	Same as above, except PEAK detection.
10.	EXT	LIM	GATE	Hard Ducking	A 1dB increase of EXTERNAL SIGNAL LEVEL (over THRESHOLD) causes a 20dB decrease in signal gain. PEAK detection, RANGE control active.
11.	INT	EXP	AVG	Expanding, Soft Noise Gating	Ratio = 1:2, AVG detection of input signal, RANGE control active.
12.	INT	EXP	PEAK	Expanding, Soft Noise Gating	Same as above, except PEAK detection.
13.	INT	EXP	GATE	Hard Noise Gating	RATIO = 1:20, PEAK detection of input signal, RANGE control active.
14.	DS-FM	EXP	AVG	Freq Selective Expansion	Same as #11, except Hi Freq EQ inserted in detector path.
15.	DS-FM	EXP	PEAK	Freq Selective Expansion	Same as #12, except Hi Freq EQ inserted in detector path.
16.	DS-FM	EXP	GATE	Freq Selective Noise Gating	Same as #13, except Hi Freq EQ inserted in detector path.
17.	EXT	EXP	AVG	Envelope Following Soft Keying	Signal gain is determined by LEVEL of EXTERNAL SIGNAL. A 1dB increase of EXT SIGNAL (over THRESHOLD) causes a 1dB increase in signal gain. AVG detection, RANGE control active.
18.	EXT	EXP	PEAK	Envelope Following Soft Keying	Same as above, except PEAK detection.
19.	EXT	EXP	GATE	Hard Keying	Signal gain is determined by LEVEL of EXTERNAL SIGNAL. A 1dB increase of EXT SIGNAL (over THRESHOLD) causes a 20dB increase in signal gain. PEAK detection, RANGE control active.



For handy reference, affix this label to the top of your DYNA-MITE.

*THRESHOLD/OUTPUT GAIN COUPLING (Modes #2, 3, 5 and 6): In these modes, adjusting the THRESHOLD control to a lower setting causes an increased amount of limiting, or gain reduction, which ordinarily would cause a drop in output level.

The THRESHOLD/OUTPUT gain coupling feature computes the amount of make-up gain required to maintain a constant OUTPUT LEVEL during limiting (as indicated on the OUTPUT control in dBv), regardless of the setting of the THRESHOLD control.