

EFFECTRON™ II

High Performance Digital Delay Systems



EFFECTRON™ II

Standard Features

- Full Bandwidth (16kHz) all delay settings
- Simplified pushbutton controls
- Roadworthy — All steel chassis
- Low cost — High Performance
- VCO Time Base Modulator
- Flanging, Doubling, Chorus and Echo
- Simulated Stereo Outputs
- Wide dynamic range 85db Min., 90db Typ.
- Single Rack Space
- External VCO and Bypass Control

The EFFECTRON™ II features the finest and most natural sounding digital effects available today, at unheard of prices. Another technological breakthrough unmatched by anyone! At last . . . you can afford to own a high performance digital delay.

Introduction to the ADM-64

This unit is unique to the digital delay industry. Its flange ratio is twice that of any other digital unit available. The ADM-64 provides a full three octaves of flanging (8 to 1 flange ratio), making it the widest range digital flanger manufactured. This alone makes it the best digital flanger available. However the ADM-64 also includes an internal envelope follower that provides incredible flanging effects. As such, the EFFECTRON™ II is also the most versatile Flanger/Doubler in the market place today.

Doubling and short echoes are other features of the ADM-64. At this setting you have a range from 16ms to 64ms of high performance digital delay, allowing you the freedom to create various multitrack effects.

Introduction to the ADM-256 and ADM-1024

These units feature all the popular special effects used by today's musicians and studios. The ADM-256 offers from 0.25ms to 256ms of delay and the ADM-1024 offers from 0.25ms to 1024ms of delay, both with no signal degradation at all settings.

The ADM-256 and ADM-1024 are complete single channel special effects processors providing well known and widely used effects such as flanging, doubling, chorus and echo. By adding feedback and a VCO, the following features are also possible: vibrato, tremolo, chorus and multiple echoes. Each unit also includes an infinite (non-deteriorating) repeat button which allows you to put music into memory and, by using feedback, you can continue to add to your music in digital memory (The ADM-1024 also provides a remote repeat capability).

With each of our ADM units, the rugged construction (all steel chassis) and reliability have made them the popular choice of the pros. And, unlike most other delay units, our EFFECTRON™ II series units maintain full audio bandwidth (16kHz) and full dynamic range (90db typ.) at all delay settings. Listen and you will be amazed!

Summary

DeltaLab previously created the new standards of excellence with the EFFECTRON Series. Please take the time to find out how the EFFECTRON II continues this tradition. Listen and Compare . . .

ADM-64 Flanger/Dou



ADM-256 Signal Pro



ADM-1024 Signal P



Limit/Active

The green active and red limit buttons allow you to control the signal level being processed.



Input Level

The INPUT LEVEL control adjusts the input level and thru put gain of the signal.

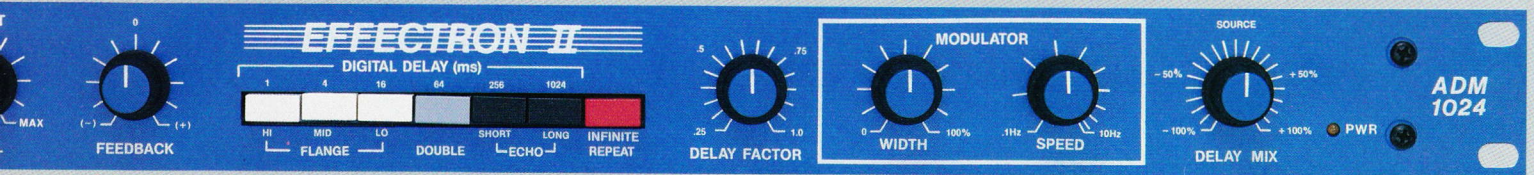
bler



processor (1/4 Sec. Delay)



processor (1 Sec. Delay)



EFFECTRON™ II High Performance Digital Delay System

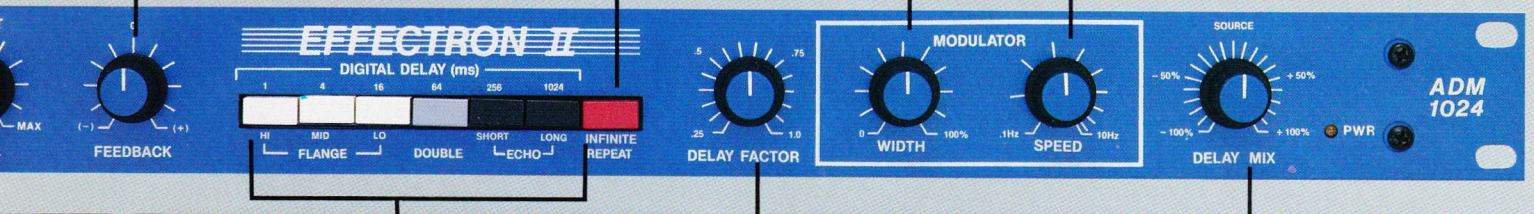
ED's indicate

Feedback
The FEEDBACK control varies the amplitude of the signal that is fed back and retransmitted.

Infinite Repeat
The RED button activates the infinite repeat function to continuously recirculate a segment of digital data in memory with no signal degradation. (Also, remote access in ADM 1024).

Width
The WIDTH control varies the amplitude of the sweep of the internal oscillator over a 5 to 1 range. In the ADM 64 the range is 8 to 1.

Speed
The SPEED control varies the rate of modulation of the oscillator.

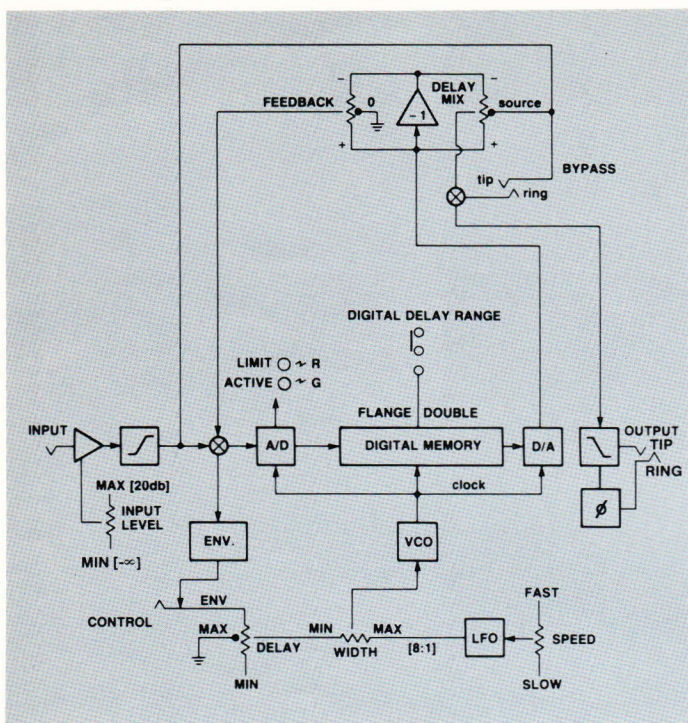


Digital Delay
The WHITE buttons select short delays used for flanging effects.
The GRAY button selects the delay suitable for doubling effects.
The BLACK button(s) select long delay used for echo effects.
NOTE: On the ADM-64 the gray button is "IN" for doubling and "OUT" for flanging.

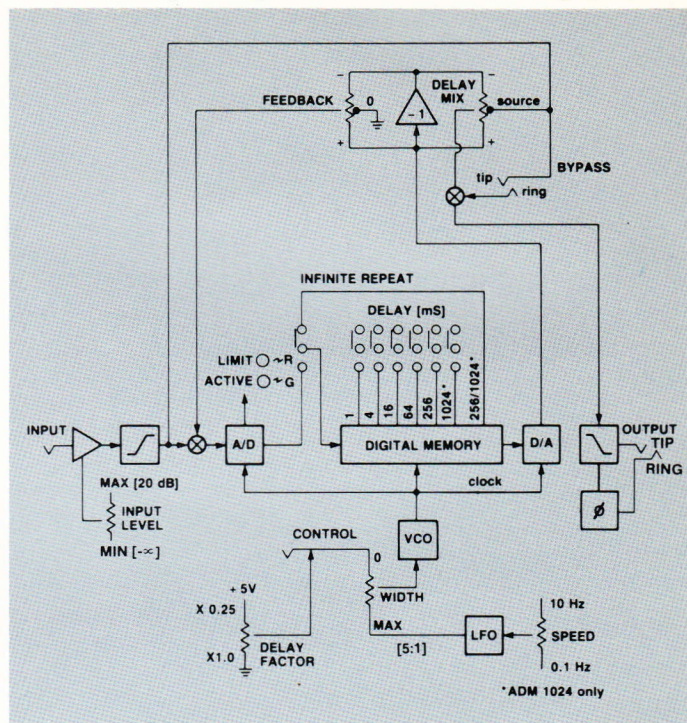
Delay Factor
The DELAY factor control varies the basic clock frequency over a 4 to 1 range.
Delay (ADM-64 only)
The DELAY control varies the basic clock over a 4 to 1 range and also controls the level of the Envelope Follower circuit.

Delay Mix
The DELAY MIX control mixes the processed signal either in or out of phase with the source signal.

Block Diagram (ADM-64)



Block Diagram (ADM-256/ADM-1024)



Specifications

EFFECTRON II	ADM-64	ADM-256	ADM-1024
Delay Range			
Flange	1 to 4 ms*	0.25 to 16 ms	0.25 to 16 ms
Double	16 to 64 ms	16 to 64 ms	16 to 64 ms
Echo	N/A	64 to 256 ms	64 to 1024 ms
Dynamic Range	90db typical	90db typical	90db typical
Frequency Response	20 to 16kHz typical	20 to 16kHz typical	20 to 16kHz typical
Distortion	0.2% max	0.2% max	0.2% max
Modulation			
Width	8:1	5:1	5:1
Speed	0.05 to 10Hz	0.1 to 10Hz	0.1 to 10Hz
Envelope Follower	Yes	No	No
Feedback	Pos & Neg	Pos & Neg	Pos & Neg
Bypass	Yes	Yes	Yes
Infinite Repeat	No	Yes (Front)	Yes (Front & Rear)
Simulated Stereo Output	Yes	Yes	Yes
External VCO Control	Yes	Yes	Yes
Dimensions	1 3/4" H x 19" W x 7" D (4.45 x 48.3 x 17.8 cm)	1 3/4" H x 19" W x 7" D (4.45 x 48.3 x 17.8 cm)	1 3/4" H x 19" W x 7" D (4.45 x 48.3 x 17.8 cm)
Weight	10 lbs (4.5 kg)	10 lbs (4.5 kg)	10 lbs (4.5 kg)

*On the ADM-64 this range is doubled when the WIDTH control is at MAX.

Manufacturer reserves the right to make improvements without notice or obligation; therefore, all specifications are subject to change.



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