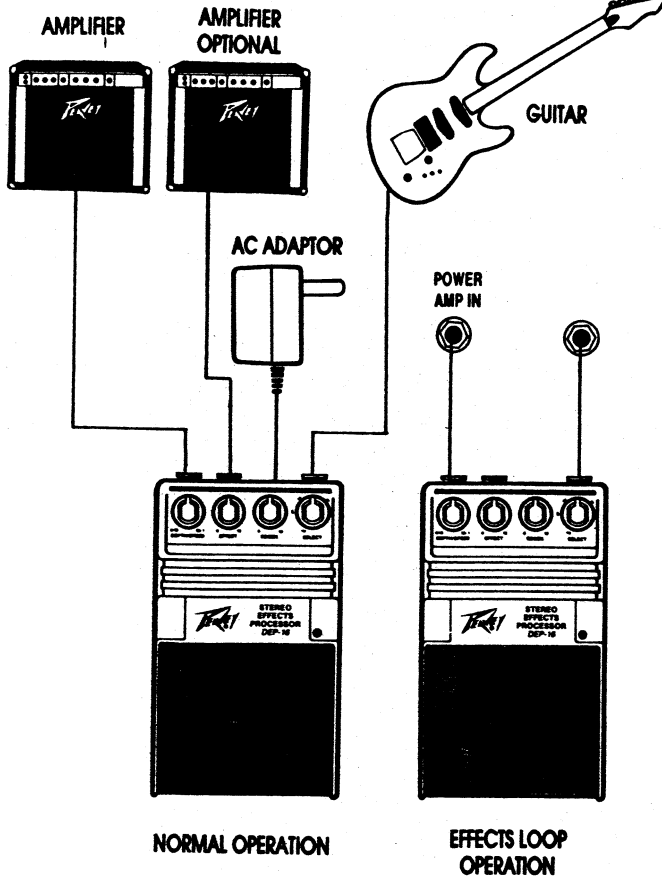


TYPICAL OPERATING CONFIGURATIONS



DEP™-16 SPECIFICATIONS

All specifications are typical unless otherwise noted.

System Architecture: Logarithmic Compression with 12 bits A/D/A Quantizing System

Delay Time: Maximum 800ms/Minimum 1.0 ms

Delay Select: Range 1 & 2
Chorus 3 & 4
Echo/Delay 5-16

VCO Modulation

LFO Depth: 0 to 100%

LFO Frequency: 10 Hz to 0.1 Hz

Dynamic Range: Delay Signal Patch: Greater than 100 dB
Dry (Direct) Signal Path: +1/-3 dB 20-60,000 Hz
Delay Signal Path: +1/-3 dB 30-9,000 Hz

Maximum Input

Signal Level: 2V RMS (+6 dBV), 1 kHz

Footswitch Functions: Effect on/off

Input Impedance: 1 M ohm

Output Impedance: 1 K ohm

Insertion Points (Jacks):

In (¼" phone)

AC Power (Miniature Phone)

Direct Output (¼" phone)

Delay/Mix Output (¼" phone)

Power Requirements: 9 V DC Dry Cell Battery
(NEDA: 1604A/IEC: 6LR61 Peavey AC Adaptor,
Part #70900666)

Under normal extended playing time use, battery operation of this unit is not recommended.

Power Consumption: 80 milliamps (MA)

Due to our efforts for constant improvements, features and specifications are subject to change without notice.

REGARDING EFFECTS LOOPS:

Time-delay-based effects such as choruses, flangers, and delays (echo) should be placed, when possible, in the amplifier's effects loop.

SPECIAL PRECAUTIONS

- When using the effects unit with an AC adaptor, use only a Peavey supplied +9 volt adaptor or equivalent.
- When the unit is not in use, disconnect the instrument or signal source from the Input jack to prolong battery life.
- When the unit is not to be used for an extended period of time, disconnect and remove the battery from the battery compartment to avoid any possible leakage.
- When the LED becomes dim or the performance of the unit seems less than optimum, replace the battery.
- For extended time use, it is advisable to use a Peavey AC adaptor to power the effects unit.



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DEP™-16

STEREO EFFECTS PROCESSOR™

- Full bandwidth frequency response
- "Studio Quiet" 12 bit A/D/A
- Expanded dynamic range
- 16-position Delay Select Switch
- Proprietary custom VLSI design
- Stereo outputs
- Silent FET effects switching

The DEP™-16 Stereo Effects Processor is an ultra-quiet, studio-quality digital effects processor. Sixteen delay ranges, along with LFO, regeneration and effect level controls, allow the creation of a variety of effects including chorus, flanging, delay, and vibrato. Full 12-bit A/D quantization is made possible by Peavey's proprietary VLSI custom IC along with subminiature surface-mount techniques. Superior sound quality and "no compromise" attention to detail have made the DEP-16 one of today's finest and most flexible floor delay pedals.

Many large rack-mount delays fall short of the sparkling crystal-clean delay sound of the DEP-16. High headroom line-level capability allows the DEP-16 to be patched into high level effects loops for the best in "post"-delay effects. Rugged die-cast construction along with silent FET, "soft-touch" effects switching and "effect on" LED indication complete the very musical DEP-16.

DEPTH/SPEED: This control provides a dual adjustment of the LFO modulation depth and speed (frequency). In the full counterclockwise position, the modulation is off. Rotating this control clockwise increases the depth from 0% to 100% (a 4:1 sweep) and simultaneously decreases the speed from 10Hz to 0.1 Hz. This synchronized parameter control greatly simplifies the operation of this unit and allows the operator a wide variety of musically pleasing effects.

EFFECT LEVEL: Controls the relative volume of the delayed signal or the delay/dry mix. Maximum delayed signal level is obtained by rotating the control fully clockwise. In this position, the level of the delayed signal is equal to that of the direct signal.

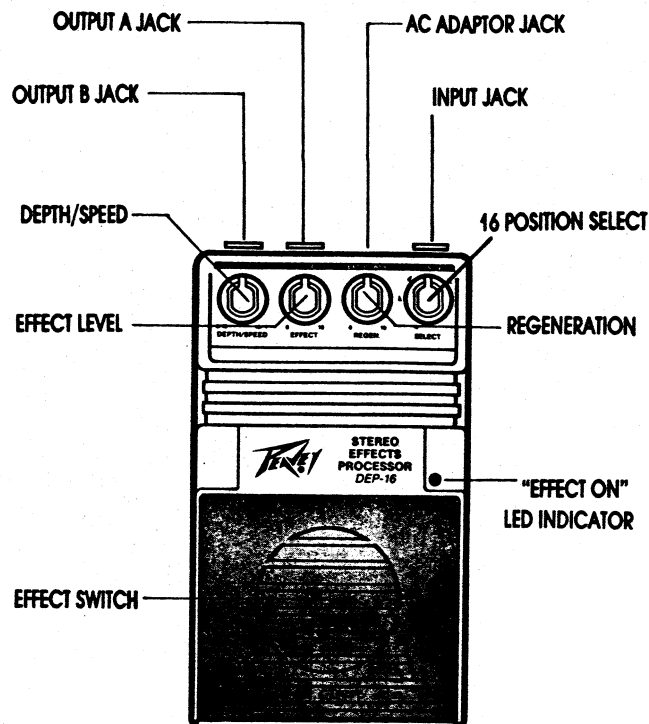
NOTE: This control affects only the delayed signal.

REGENERATION LEVEL: Controls the number of repeats or the "delay time" for the delayed signal. A single repeat is available with the control set fully counterclockwise. Increasing numbers of repeats (or longer delay times) are obtained as the control is rotated clockwise.

SELECT: Selects one of sixteen delay ranges. The available delay increases with clockwise rotation of this control with the maximum delay being at the 6 o'clock position. The DEP-16 delay ranges include:

Position #1	Range #1	Position #9	200mS Delay
Position #2	Range #2	Position #10	250mS Delay
Position #3	Chorus #1	Position #11	300mS Delay
Position #4	Chorus #2	Position #12	350mS Delay
Position #5	50mS Delay	Position #13	400mS Delay
Position #6	75mS Delay	Position #14	500mS Delay
Position #7	100mS Delay	Position #15	650mS Delay
Position #8	150mS Delay	Position #16	800mS Delay

FUNCTIONS



(BATTERY ACCESS ON BOTTOM)

INPUT JACK: Used as a signal input to the effects unit. This jack also acts as a power switch for the unit when an instrument is plugged in. When the effect is not in use, the instrument should be disconnected from this jack to maximize battery life.

AC ADAPTOR JACK: Used as an alternative +9 volt power source when battery operation is not the most desirable. Use only Peavey 9-volt AC adaptor or equivalent.

OUTPUT A JACK: Used as a low-impedance signal output for the "out-of-phase" chorus signal in normal stereo operation. If a dry/direct output is desired from this output, simply use a stereo (RTS) phone plug in this jack (with the ring contact disconnected) and the chorus effect will be disabled from this output. The chorus effect will still be available in the Output B jack in this mode of operation.

OUTPUT B JACK: Used as a low-impedance signal output for the "in-phase" chorus signal in normal operation. This jack is also recommended for monaural operation.

EFFECT "ON" LED INDICATOR: Indicates when the effect is enabled. When the effect is "on", the LED is illuminated. This LED also provides a visible indication of the battery status. If the LED fails to light, or appears dim, replace the battery.

EFFECTS SWITCH: Enables and disables the DEP-16 effect. Depressing this dome switch with the foot or hand turns the effect "on" or "off". Silent FET effects switching minimizes any "pops" or "clicks" when the effect is enabled or disabled.

BATTERY ACCESS: The battery compartment is located on the bottom of the effects unit. A captive thumb screw is provided for easy access to the cushioned rubber compartment.

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