



CONTROLS IN DETAIL

Depth (digital): controls the modulation depth. The type of modulation depends on the setting of Echo Program (turn page for Echo Program Matrix on back), set to minimum for no modulation (except for Echo Program 3).

Record Level (analog): controls the gain of the input signal hitting the record amplifier. Ranges from no signal all the way to heavily overdriving the transistor record amplifier. Record Level only affects the level of the initial repeat. Once repeats are regenerating this control has no effect on them, just like the EP-3.

Echo Volume (analog): controls wet/dry mix using the identical mixer circuit as the EP-3 for the same subtle phase and tone shifts of the dry signal.

Echo Sustain (analog): controls the amount of delay feedback and is tuned to function just like the EP-3. Run-away echo starts around noon.

WARNING: At high settings (2:00 or higher) it ~~might~~ will get loud!

Echo Delay (digital): controls delay time from 80ms to 800ms, exactly like an EP-3.

Echo Oscillation: latching footswitch allows instant run-away repeats with LED indication. Internal trimpot allows this function to be user tunable. In effect, the trimpot is an alternate Echo Sustain setting. You can set it anywhere from 1 repeat to infinite oscillation.

Bypass: The Bypass footswitch can be set to either true-bypass or "trails" mode via an internal slider switch. Trails mode cuts the dry signal at the input of the record amplifier allowing any remaining repeats to continue circulating.

Expression Pedal: control over delay time, delay playback volume, rotary speed, and filter sweep. When delay time expression control is selected the panel knob (Echo Delay) controls the maximum delay time when the expression pedal is at full-toe. Minimum delay time can be set from most expression pedals giving control over both minimum and maximum delay times, from full-heel to full-toe.

Turn page over for Controls Diagram and Echo Program Matrix



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Hand-built in Portland, OR

Welcome to your new Belle Epoch Deluxe!

The 'Deluxe is an exact reproduction of the famous EP-3, down to the 22v power rail yet running off a standard 9v power supply. The only thing that is different is that there is no tape!

I've been a long time fan of the Maestro Echoplex EP-3 and had one during my formative years. I have always loved the echo sound and loved how it gave my rig that big, warm sound due to its vintage circuitry. And of course I enjoyed working the echo slider for all those theatrical rock god tricks! BUT it required constant cleaning and constant maintenance and I finally gave up on it and traded it in for some other gear thinking the new compact analog delays would get me there. But years later I realized that all those other units never had the mojo. And then somehow I found myself as a pedal designer. So I decided to try to capture the spirit and sound, to see if we could capture the magic without the maintenance. And the result is the pedal you are now holding in your hand!

Enjoy your new 'Deluxe and keep on kicking ass!

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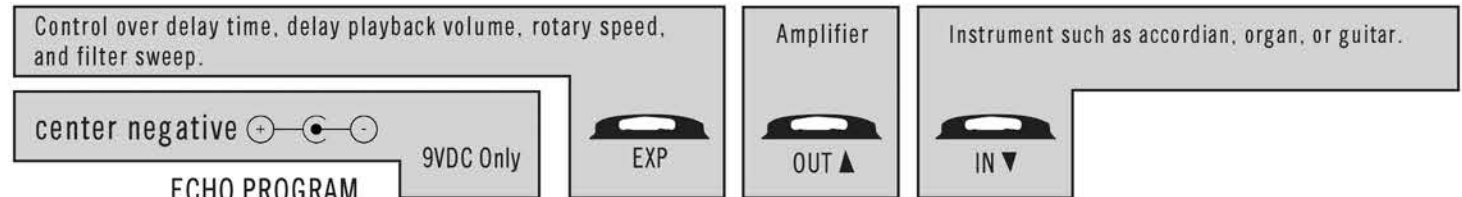
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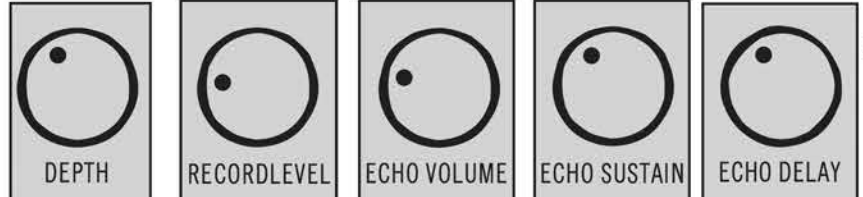
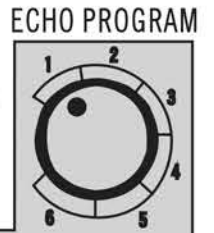


Echo Program Matrix

ECHO PROGRAM	DESCRIPTION	DEPTH (MODULATION)	EXPRESSION PEDAL (TOGGLE "V" MODE)
1	<ul style="list-style-type: none"> Classic EP-3 tape voicing. Slightly bright repeats. This is the main voice of the Belle Epoch Deluxe! 	<ul style="list-style-type: none"> Adjusts the amount of tape warble. Start at noon for classic Echoplex repeat undulations. 	<ul style="list-style-type: none"> Controls volume of repeats from off to full.
2	<ul style="list-style-type: none"> Dark "analog" voicing inspired by classic BBD delays. Darker repeats sit underneath the dry signal. 	<ul style="list-style-type: none"> Adjusts the depth of a medium chorus. Set to minimum for no chorus to mimic classic BBD-based delays. 	<ul style="list-style-type: none"> Controls volume of repeats from off to full.
3	<ul style="list-style-type: none"> Roto-swirl. As if repeats were run through a Leslie. * Use expression pedal to unlock full capabilities of this feature. 	<ul style="list-style-type: none"> Adjusts the depth of the rotary modulation. Start at noon, tweak to taste! 	<ul style="list-style-type: none"> Controls rotary speed. Full-toe for fast rotor, heel-back for slow rotor.
4	<ul style="list-style-type: none"> Manually sweeping resonant filter. As if the repeats were going through a wah pedal! * Use expression pedal to unlock full capabilities of this feature. 	<ul style="list-style-type: none"> Adjusts the amount of tape warble. Start at noon for classic Echoplex repeat undulations. 	<ul style="list-style-type: none"> Controls sweeping filter. Go from wah-like tones at short delay times all the way to sweeping synth filter sounds. Full-toe disables resonant filter. Sweep down towards heel for subtle to epic filter sweeps. * Because this is a resonant filter you may need to turn down Echo Sustain slightly if you want to prevent oscillations.
5	<ul style="list-style-type: none"> DMM Chorus Replicates the chorus setting from the classic Deluxe Memory Man. 	<ul style="list-style-type: none"> Adjusts chorus depth. Just like the classic DMM it is capable of extreme modulation depth. 	<ul style="list-style-type: none"> Controls volume of repeats from off to full.
6	<ul style="list-style-type: none"> DMM vibrato Replicates the vibrato setting from the classic Deluxe Memory Man. 	<ul style="list-style-type: none"> Adjusts vibrato depth. Just like the classic DMM it is capable of extreme modulation depth. 	<ul style="list-style-type: none"> Controls volume of repeats from off to full.



START WITH THIS CLASSIC EP-3 SETTING ▶▶▶



START WITH THIS CLASSIC EP-3 SETTING ◀◀◀

6 types of "tape" (see matrix)

Controls the modulation depth. The type of modulation depends on the setting of Echo Program.

(analog) Controls the gain of the input signal hitting the record amplifier (how hot virtual "tape" is being hit).

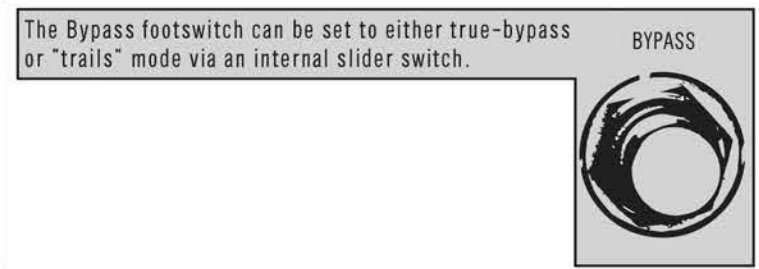
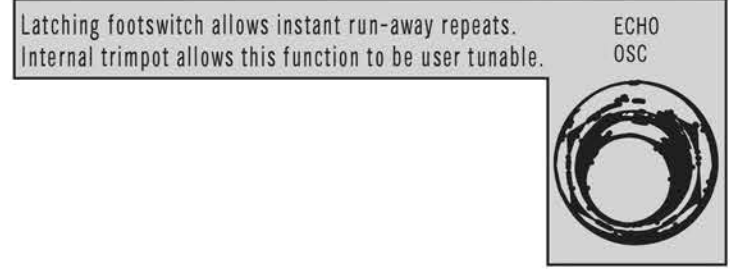
(analog) Full clockwise position gives maximum echo vol. Full counter clockwise position reduces echo vol so that only the instrument is heard. Between these two you can create the desired balance.

(analog) Controls echos per note. As you turn the control, there will be an increase in the Echos sustained. Somewhere above "5" run-away effect will start.

(digital); controls delay time from 80ms to 800ms, exactly like an EP-3.

To prevent loss of Echo..... clear your head, and rock and roll frequently.

To the right (D) exp pedal controls delay time.
 To the left (V) exp pedal pedal controls either delay playback volume, rotary speed, or filter sweep, depending on which Echo Program is selected.



EXPRESSION PEDAL REQUIREMENTS

TRS expression pedal. Ring to wiper. Sleeve to ground. Tip to 3.3v.
 Linear taper is recommended for the best sweep.
 B10k or B25k are common. Pot value not critical.
WARNING: Do not plug a stereo (tip-sleeve) plug into the expression jack. Only plug a TRS plug into it!

POWER REQUIREMENTS

200ma @ 9v (internal conversion to 22v)
 Just use any standard 9 volt power supply and an internal voltage tripler bumps it up to 27 volts and then the shunt-regulator keeps it at a strong and steady 22 volts.