ECHO-X – USER MANUAL

Congratulations on buying the Echo-X digital delay! One of the Rainger FX mini-pedal line, this pedal does all kinds of digital delay effects, and is controllable in various ways – while you're actually playing.

CONTROLS

'Level'; This controls the amount of delay signal heard, and goes from no echo at all to slightly louder than the original signal.

'Rate'; This controls the rate of the repeats. The longest delay setting is about 540ms.

'Fbk'; This controls the amount of feedback – how many repeats are heard. At higher settings the feedback can build into runaway oscillation. NOTE: the feedback behaviour can also be adjusted buy turning the trimpot inside the pedal (once the baseplate is removed), for instance if you want 'Fbk' on maximum to be 'unity' feedback, ie no build-up of repeats.

'Input'; This controls the input signal volume. Ideally this is set so that the red 'overload' LED only comes on occasionally (turn down if it comes on a lot).

'Volume'; This controls the overall output volume.

'Igor'; This is a unique pressure-sensitive foot controller for controlling various parameters, plugging into the socket on the top end panel. Igor (named from its previous incarnation as the Dr Freakenstein Fuzz pedal accessory) has two sensitivity settings; use it hard-side-up and it takes a firm press to operate it. Used rubber-side-up is more sensitive – and can even be used by hand on this side. (Carpet use may make the two sensitivities less different).

'Fbk/rate' switch; This switch decides whether Igor adjusts the amount of feedback or the echo speed.

'Send' switch; This switch bypasses the 'fbk/rate' switch, and gives a fully dry signal, but as Igor is pressed it diverts the signal into the delay circuit – repeating according to how the knobs are set.

On releasing Igor, the sound goes back to being dry – leaving the diverted part echoing away.

Main footswitch; This is the main on/off footswitch, status shown by the big green LED.

NOTE

- Are you hearing no delay and think you should be? Check if the 'send' switch pushed in!
- The Echo-X is true bypass.
- Instead of Igor, a 5v control voltage can be plugged into the Igor socket to control parameters.
- Power supply unit should be centre earth, sleeve +9v.

Please email david@raingerfx.com to register your pedal, and let us know what instrument you play, and what sort of music – plus to comment or ask questions…

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