The Parameters of the 540

The 540 is a module containing two ENV (Envelope Generator) units that have the same parameters, and one LFO (Low Frequency Oscillator) unit.

EXT
If you want to turn the envelope generator on/off from an external source, use this jack to input a gate signal.

MANUAL
Starting the envelope cycle.

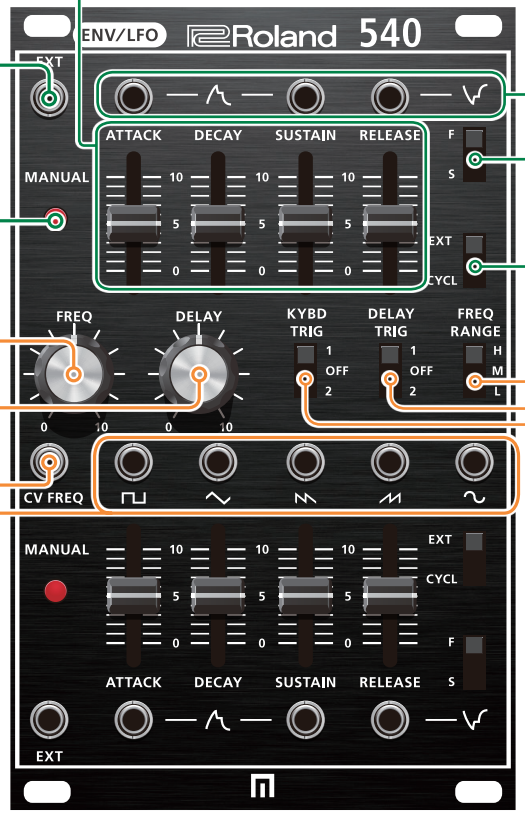
FREQ
Specifies the frequency of the LFO.

DELAY
Specifies the time from when an input signal is received until the LFO starts operating.

CV FREQ
If you want to use an external source to control the LFO frequency, input a voltage here.

WAVE FORM
These jacks output the LFO signal as pulse wave, triangle wave, sawtooth wave, reverse sawtooth wave, and sine wave.

ATTACK, DECAY, SUSTAIN, RELEASE sliders
These sliders specify attack time (the time over which the sound rises), decay time (the time over which the sound decays), sustain level (the level that is sustained after the envelope reaches the peak), and release time (the time over which the sound disappears after the signal input ends).



Output jacks
These are output jacks. Outputting two positive waveforms and one negative waveform.

F/S switch
Switching the Envelope speed.

F	Fast
S	Slow

Gate trigger switch
Starts the envelope cycle and selects the external signal that will control it.

EXT	Trigger by EXT or MANUAL
CYCL	Self cycling by ATTACK and DECAY setting

FREQ RANGE
Selects the LFO oscillating frequency.

DELAY TRIG
RESET LFO DELAY trigger by envelope 1 or 2.

KYBD TRIG
RESET LFO waveform by envelope 1 or 2.

About ENV (Envelope Generator) and LFO (Low Frequency Oscillator)

An envelope generator produces a time-varying voltage according to the attack (A), decay (D), sustain (S), and release (R) settings; you can use this voltage to control the sound's character or volume over time.

An LFO produces a cyclically changing voltage according to its settings; you can use this voltage to produce effects such as vibrato or tremolo.