

TO.OSC.CYC.M x y

targets the oscillator cycle length to y for CV output x with the portamento rate determined by the TO.OSC.SLEW value; y is in minutes

TO.OSC.CYC.M.SET x y

sets the oscillator cycle length to y for CV output x (ignores CV.OSC.SLEW); y is in minutes

TO.OSC.SCALE x y

select scale # y for CV output x; scales listed in full description

TO.OSC.WAVE x y

set the waveform for output x to y; y values range 0-4999; values translate to sine (0), triangle (1000), saw (2000), pulse (3000), or noise (4000); oscillator shape between values is a blend of the pure waveforms

TO.OSC.RECT x y

rectifies the polarity of the oscillator for output x to y; range for y is -2 to 2; default is 0 (no rectification); 1 & -1 are partial rectification - omitting all values on the other side of the sign; 2 & -2 are full rectification - inverting values from the other pole

TO.OSC.WIDTH x y

sets the width of the pulse wave on output x to y; y is a percentage of total width (0 to 100); only affects waveform 3000

TO.OSC.SYNC x

resets the phase of the oscillator on CV output x (relative to TO.OSC.PHASE)

TO.OSC.PHASE x y

sets the phase offset of the oscillator on CV output x to y (0 to 16383); y is the range of one cycle

TO.OSC.SLEW x y

sets the frequency slew time (portamento) for the oscillator on CV output x to y; y in milliseconds

TO.OSC.SLEW.S x y

sets the frequency slew time (portamento) for the oscillator on CV output x to y; y in seconds

TO.OSC.SLEW.M x y

sets the frequency slew time (portamento) for the oscillator on CV output x to y; y in minutes

TO.OSC.CTR x y

centers the oscillation on CV output x to y; y values are bipolar (-16384 to +16383) and map to -10 to +10

TO.ENV.ACT x y

activates/deactivates the AD envelope generator for the CV output x; y turns the envelope generator off (0 - default) or on (1); CV amplitude is used as the peak for the envelope and needs to be > 0 for the envelope to be perceivable

TO.ENV.TRIG x

triggers the envelope at CV output x to cycle; CV amplitude is used as the peak for the envelope and needs to be > 0 for the envelope to be perceivable

TO.ENV.ATT x y

set the envelope attack time to y for CV output x; y in milliseconds (default 12 ms)

TO.ENV.ATT.S x y

set the envelope attack time to y for CV output x; y in seconds

TO.ENV.ATT.M x y

set the envelope attack time to y for CV output x; y in minutes

TO.ENV.DEC x y

set the envelope decay time to y for CV output x; y in milliseconds (default 250 ms)

TO.ENV.DEC.S x y

set the envelope decay time to y for CV output x; y in seconds

TO.ENV.DEC.M x y

set the envelope decay time to y for CV output x; y in minutes

TO.ENV.EOR x n

fires a PULSE at the End of Rise to the unit-local trigger output 'n' for the envelope on CV output x; n refers to trigger output 1-4 on the same TXo as CV output 'y'

TO.ENV.EOC x n

fires a PULSE at the End of Cycle to the unit-local trigger output 'n' for the envelope on CV output x; n refers to trigger output 1-4 on the same TXo as CV output 'y'

TO.ENV.LOOP x y

causes the envelope on CV output x to loop for y times; a y of 0 will cause the envelope to loop infinitely; setting y to 1 (default) disables looping and (if currently looping) will cause it to finish its current cycle and cease

TO.TR.INIT x

initializes TR output x back to the default boot settings and behaviors; neutralizes metronomes, dividers, pulse counters, etc.

TO.CV.INIT x

initializes CV output x back to the default boot settings and behaviors; neutralizes off-sets, slews, envelopes, oscillation, etc.

TO.INIT d

initializes all of the TR and CV outputs for device number d (1-8)

TO.KILL d

cancels all TR pulses and CV slews for device number d (1-8)