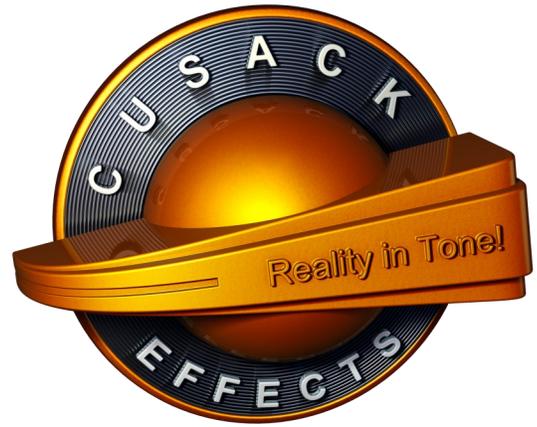


Z-TAP 2

Zvex Tap Tempo Mod



SPD (Now called CYCLE) Knob - OK, here is the goofy part:
 This knob is no longer a speed knob. It now allows you to select between a 2, 3, 4, 5, 6, 7 or 8 LED cycle. This is similar to the toggle switch, but gives you a few extra settings. All the way down is 2, all the way up is 8. Note that the 4-8-6 switch still functions, and can be used in conjunction with the knob or left in the center "8" position.

TAP Switch - (left switch) – This switch that is used to set the *Tempo*, access *Random Mode*, *Reset* the sequence, and *Save* your settings. Each option is described below.

Tap Tempo - To get the pedal to the tempo you want, simply tap the switch twice. The time between the two hits will equal the time it takes to sequence through all steps. The value is scaled to the number of LEDs you are sequencing. If you have the CYCLE knob set to 4, the pedal will now sequence through the first 4 LEDs in the time you tapped, and restart at 1 again. The maximum tap time is 2 seconds. If you try to tap a tempo slower than that, the tempo will stay at whatever it was before you tapped.

RANDOM – To access the Random mode, hold the TAP switch for two seconds while NOT in BYPASS. To leave random mode, hold the switch again for two seconds.

Save settings– Holding the TAP switch for two seconds While in Bypass will save the current tempo and Random setting.

RESET – If you have the tempo pretty close to what you want and just want to reset the sequence back to 1, simply kick the tap pedal once. Be aware that if you reset the sequence twice within two seconds, the tempo will change to whatever you tapped instead of resetting.

Tap Divide - NEW IN VERSION 2!
 This jumper allows you to decide between normal and divide by 2 for your tap time.

Divide = 1
 Divide = 2

BYPASS Switch (right switch) – When the pedal is put into bypass, the sequence is stopped and the LED is reset to 1. The sequence will be held at 1 unless one of three things occurs:

1. Pressing the TAP switch once causes the sequence will start again.
2. Pressing the TAP switch twice will change the tempo, and the sequence will start again.
3. Pressing the Bypass switch, the pedal will activate and the sequence will start again at 1 with the current tempo.

In cases 1 and 2, the pedal remains in bypass mode, the sequence is shown for reference.

Re-calibrating Speed pot (If Pot is replaced)-

1. Un-plug the input jack, and remove the back cover.
2. Turn ALL pots counter clockwise, put the toggle switch in the middle position.
3. Short the middle two pins of the micro on the Tap Tempo board, as shown by the RED arrow. Plug in the Input Jack, then remove the short.
4. If the LEDs are not strobing (stuck on 1), hit the bypass switch, they should now be strobing. Changing the Speed Pot should adjust the speed, as it originally did. Make sure the Pot is all the way counter clockwise (Fastest speed).
5. Hit the Tap Tempo Switch ONCE.
6. Turn the Speed Pot all the way Clockwise (Slowest Speed). Let the pedal cycle through all 8 LEDs at least twice.
7. Hit the Tap Tempo Switch ONCE. The pedal should start strobing at the "Default" tempo.
8. Unplug the pedal, wait a few seconds, and plug it back in. The pedal should now be calibrated properly.

