









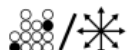


## WHOA, WE HAD TO MAKE A TRANSLATION TABLE???

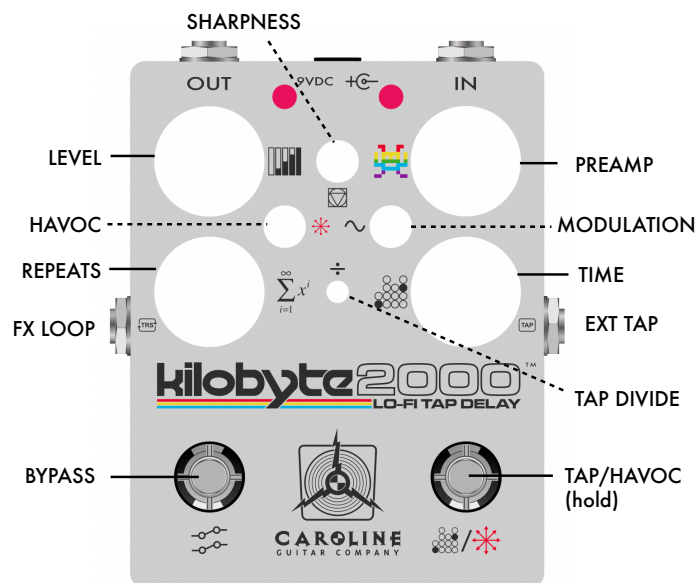
	volume of the repeats		repeater preamp gain
	gain range & preamp emphasis		subtle (but lovely) modulation on repeats
	intensity of havoc effect while holding down switch		tap tempo divisions: dotted eighth/quarter/triplet
$\sum_{i=1}^{\infty} x^i$	number of echoes/repeats		delay time between input signal and first repeat, and then between repeats
	FX send/return for inserting other pedals just on repeats		jack for external tap tempo control
	effect on/off basic but important		tap for tempo, hold switch down for runaway

NOTE: use only industry standard effect pedal power supplies, 9V DC, center negative. Current draw is roughly 60ma. Using a non-standard power supply or higher voltage may damage the device and will void the warranty coverage. No user serviceable parts inside.

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**THANK YOU**  
for letting us  
make cool stuff  
(again)



### Some fun sneaky tricks if you feel like experimenting:



For the "cleanest" possible delay, turn the preamp and sharpness controls all the way down (fully counterclockwise). Then add them to taste. The more drive you dial up, the more of an effect the sharpness control will have.



Classic Kilobyte "Havoc" is the equivalent of this trimpot all the way UP. Think of this control kind of as a "brake" on the intensity of the runaway effect. You can turn it down to get it to hover or linger instead of blasting off.



If you're like us, you have other effect pedals lying around. Get a 1/4" TRS cable and try them out in the KB2K effects loop. You can try wilder modulation effects, EQ pedals for more dramatic tone shaping of the repeats, or all kinds of synth or filter effects while the dry signal remains untouched.

If you want a 100% wet output from the KB2K, you can use the FX loop as the output with a standard guitar cable.



Havoc starts after the switch is held down and the micro "gets" the memo that it isn't a tap. But if you miss the immediacy of classic "analog" Kilobyte Havoc, there is a small switch inside the pedal called "revert". This deactivates the tap tempo on the foot switch and bypasses the microcontroller so the Havoc starts as soon as you hold it down without a hitch.

**These are just guidelines – we certainly don't have all the answers, and there are no rules! Have fun.**