Pebble Manual

Hello and THANK YOU for supporting Magpie Pedals and acquiring one of my effects pedals!
Feel free to use it with guitar/bass/synths/voice or anything in between (Results may vary).

The pedal works on 9V(DC) on a center negative power jack (2.1mm).

1. Triple Bypass:

This pedal uses a unique bypass switching system that I call **"Triple Bypass"**, where you have three different "modes" for turning the pedal on and off:

***Short Press*:** Works like any regular pedal. Press to turn it on and then press to turn it off.

Momentary/Hold: If you press and hold for about 1-2 seconds the pedal will enter a hold mode. Here it will simply stay in the state it entered when pressing down the button, for however long you decide to hold down the button, and then return when you release the button.

So if you press down when the pedal is turned OFF it will stay ON for as long as you hold the button pressed down, and vice versa.

Tap Tempo Bypass: If you quickly double tap the bypass button (either when on or off) the pedal will enter the "Tap Tempo Bypass" mode. Here the pedal automatically turns itself on/off in whichever tempo you tap. So to change tempo you simply tap a new tempo.
It continuously counts time since your last tap. So if you have been in a tempo for some time and just tap a single tap, it will count the time between this tap and the last tap in previous tempo as your new tempo. With a max lenght of around 1min.

To exit "tap tempo bypass" you simply press and hold the button for about 1-2 seconds. Note that when exiting this mode the pedal will be ON (regardless if you exit in a OFF or ON state).

2. Controls:

Pebble is a rework of a previous pedal called "The Intern". This now being my first attempt at making a mini pedal. It is based on the same CMOS technique I came up with to make the "Bit Pirate". Running your input signal straight into a *LM386 Amplifier* to heat it up enough to clock a *4040 Binary Counter.*
But instead of seperating the voices to individual knobs (see Bit Pirate) I made a mix of the LM386 signal and the first square wave octave down that you get from the *4040*.

Red Button: Bypass Button.

Knob: Logarithmic fade between distorted and octave down square wave signal.

Trimpot: On the inside of Pebble (it's a very tight fit, hehe) you will find a trimpot. This trimpot sets the volume for when Pebble is turned on. Feel free to tweak this if you find the pedal either to loud or to low when Pebble is on.