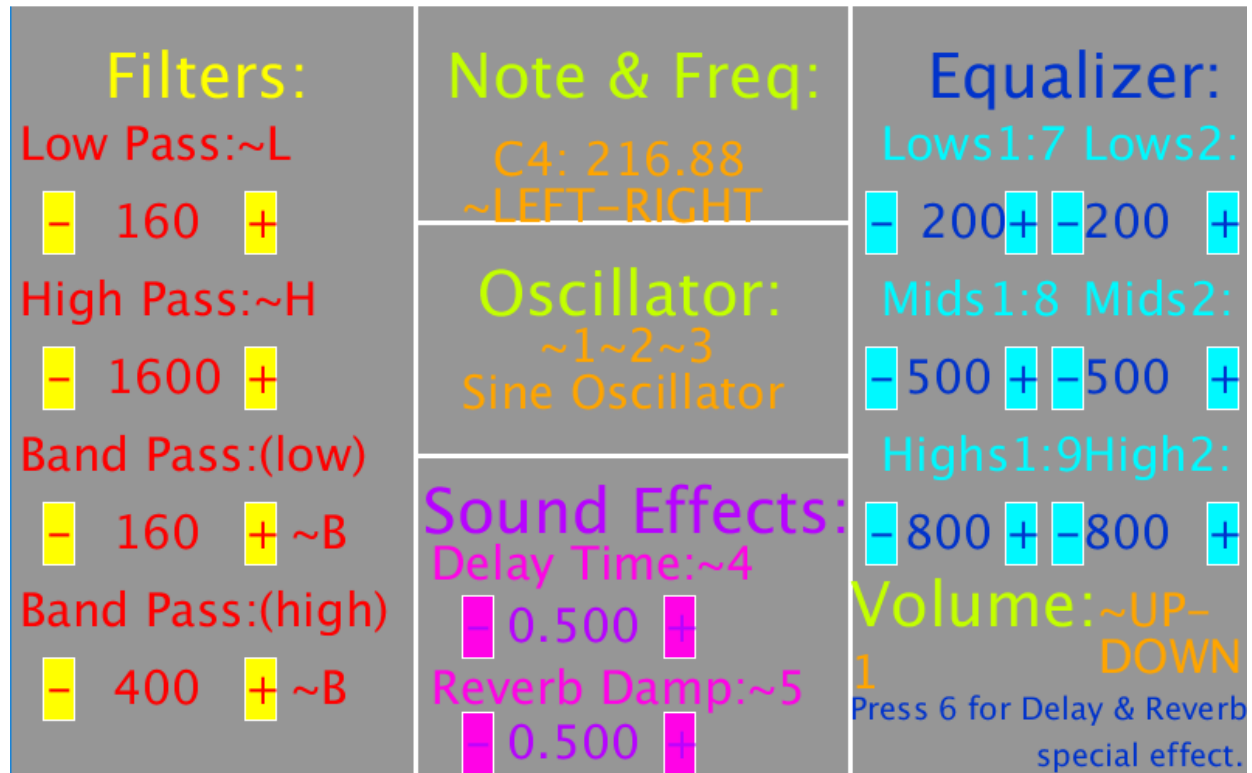


# SOUND SYNTHESIZER

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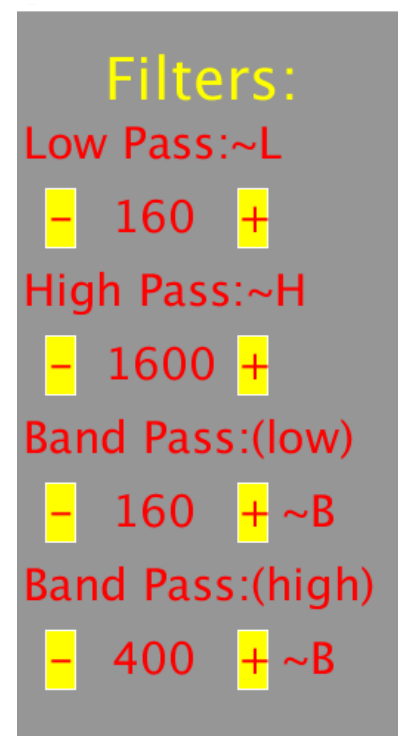
- THE MAIN SCREEN:



This the screen that you will see when you first open the program. It is divided mainly in 5 parts, namely, Filters, Note and Oscillator, Sound Effects, Equalizer, and Volume.

- THE FILTERS:

The Filters screen consists of all the 3 Filters: Low Pass, High Pass and Band Pass. The frequency value could be changed by the '+' and '-' buttons next to them. The letters next to the filter names are the key-letters used to turn on (at first) or update the frequency values. For the Band Pass filter, you will have



to set a low frequency for the band to start and a high frequency for the band to end.

- **THE NOTE AND OSCILLATOR:**

In middle-top section of the screen, you see the current Note and Frequency, and Oscillator. The can be changed by the LEFT and RIGHT arrow keys. The frequency next to the note is the actual frequency of current note. The Oscillator can be changed to Sine, Square and Saw by the keys 1, 2 and 3 respectively.

- **SOUND EFFECTS:**

In the middle-bottom section of the screen, you see the settings of the sound effects, Delay, Reverb, and Delay & Reverb, turned on (at first) or updated by keys 4, 5 and 6 respectively. The Delay plays the sound after some (delay) time, which can be manipulated. The Reverb makes the sound sound hollow related on its dampness. The Delay and Reverb special effect mixes the current waveform with the next waveform (i.e. sine with square, square with saw, and saw with sine) and then adds delay to the first waveform and reverb to the next waveform.

- **EQUALIZER:**

The last section of the screens has the Equalizer. It asks for 3 different bands that it will not play. Usually they ae called the lows,mids and highes controlled by the

Note & Freq:

C4: 216.88  
~LEFT~RIGHT

Oscillator:

~1~2~3  
Sine Oscillator

Sound Effects:

Delay Time:~4

[- 0.500 +]

Reverb Damp:~5

[- 0.500 +]

Press 6 for Delay & Reverb  
special effect.

Equalizer:

Lows1:7 Lows2:

[- 200 +] [-200 +]

Mids1:8 Mids2:

[- 500 +] [-500 +]

Highs1:9High2:

[- 800 +] [-800 +]

keys 7, 8 and 9 respectively. It will play the sound lower than the 1s (i.e. lows1, mids1, and highs1) and sound higher than the 2s (i.e. lows2, mids2, and highs3).

- **Volume:**

Last but not the least we also have volume control changed by the UP and

Down arrow keys. Too high volume or too low volume will make the sound inaudible.

Volume: ~UP-  
1 DOWN