

The original program apply a bandpass filter on the wave file. In order to make the input signal come from microphone, I make the input = True and add a duration $T = 10(\text{sec})$. I put a loop in the program, then try to plot the input and output signal. However, when the block length is 64, it sound like a very slow signal. So I turn the blocklen to 1024 to make a more successive output.

When I said 'oo' to the microphone, I can clearly saw the signal had a distinguish period had been clip in some frequency.