BME 464: Brachyseed Oscillator

Software Flowchart

User input

Amplitude

Frequency

Update amplitude, frequency, display

void setup()

Define default values

Amp:

Duty Cycle of PWM output pin B

Freq:

High/low states of output pin A

Update Output

Update Display

+ / - Frequency

+ / - Amplitude

buttons up/down

buttons left/right

Yes

if (buttons) {

}

No

User Input?

void loop()