
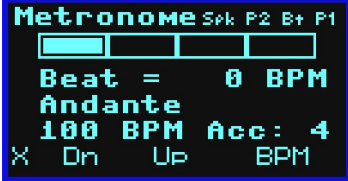
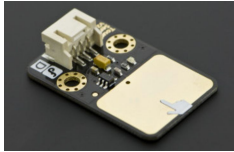




# Metronome (KAP018)

+++

Digital Speaker Module Plugged into P2	<a href="#">FIT0449</a>		
Capacitive Touch Sensor Plugged into P1	<a href="#">DFR0030</a>		

## Context

A Metronome demonstrates rhythm and accent beat (ie 1,2,3,4,1,2,3,4,1,2,3,4).

## Directions

The Metronome app has three modes controlled by Button B

1. **BPM** (Home screen) adjusts beats per minute down (Button C) or up (Button D) through a set of presets. The Italian tempo name is displayed above the BPM (ref <http://www.classicalmusiccity.com/search/article.php?vars=446/Basic-Tempo-Markings.html>). For example Lento/Largo is between 44 and 60 BPM
2. **Acc** where the accent can be varied from every 1 beat to every 8 beats. For example, 4 is a 4/4 signature, 3 is 3/4, 8 is 8/8. The selected value is shown and the metronome grid adjusts accordingly.
3. **Beep** is turned on (Button C) and off (ButtonD). When On, a short beep (A5 - ie the A note on octave 5) provides the accent and all other beats are note A4.

You can beat your own time with the touch sensor. Your time is shown in BPM just underneath the bar. Other sensors such as a vibration sensor could be used to time your beat against that of the metronome.

A key - exit as usual