Time Tracker

Making Embedded Systems – Final Project

# Overview

This is a remake of a product I saw as a kick starter and thought I would like to make it myself. The idea is to use a Dodecahedron to help track time spent on tasks. Each side of the Dodecahedron as be assigned a task such as ‘Email’, ‘Coding’, ‘Lunch’, ’meeting’ etc. As you start or stop a task you simple set the Dodecahedron with the task you are about to do facing up.

The system them starts a timer to track the length of the time of the task. This data can then be exported.

# Features

* 12 sided Dodecahedron
* Configuration – Via Command line initially
  + Set each face task
  + Set task min/ max time
  + Set End time
* Each side has (RGB? – Possibly Addressable Pixel) to indicate:
  + Flash to indicate x number of Mins
  + Flash/Sound to indicate over time
* Speaker to play relevant sounds
* Gyro to determine which side is facing up.
* (Button on each side to Pause/Start)
* (Initially – Radio Comms for Command line - xBee)