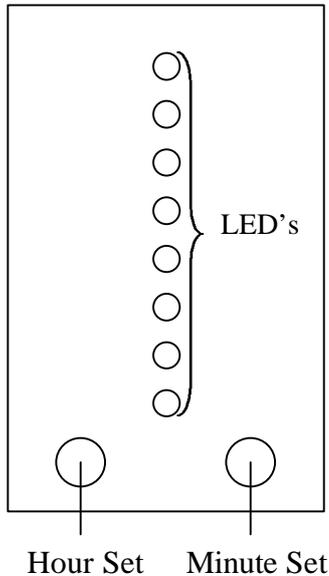


Subliminal Clock

by Graham Richter

Users Guide

The clock is a 12-hour digital clock with an hourly chime. The user interface consists of 8 LEDs and two buttons. It can keep time to an accuracy of 14 seconds per year.



To set the time: When the clock is switched on, it starts timing from 01:00:00. Each press of the Hour Set button increments the hours by one. Each press of the Minute Set button increments the minutes by one.

To read the time: Look at the clock while vigorously shaking your head to the left and right. As your head moves left, you will see the time in the format hh:mm. As your head moves to the right, you will see the time readout reversed.

The clock works on the principle that the human eye retains an image on the retina for some time after the light source has been removed. As the observer's eye pans from right to left, the 8 LED's on the clock light successive columns of the time digits being shown. As the eye moves left, the image of earlier columns remain on the retina while the LED's light up successive columns. The memory effect of the eye causes to observer to see the entire display.