

Arduino Clock @ My working corner

Abstract:

It's very easy to buy a wall clock with \$8 ~ \$10. However, I just want to make an Arduino clock and place it at my working corner. All hardware components are bought from aliexpress.com then write several lines of code.

Finally, I have a clock as below figure.

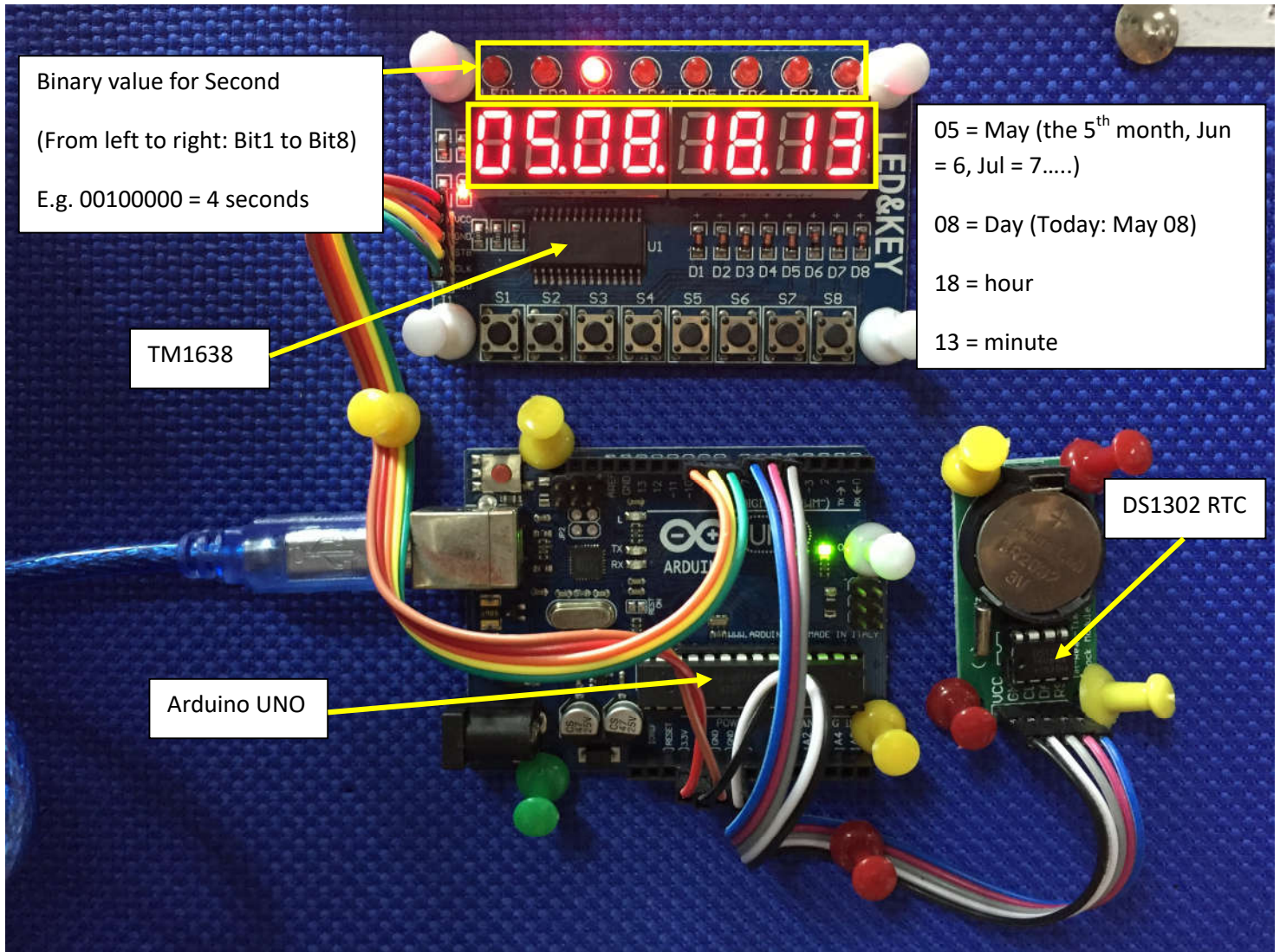


Figure 1 - Arduino clock

Wiring:

TM1638: STB = PIN10, CLK = PIN9, DIO = PIN8

DS1320: CLK = PIN5, DAT = PIN6, RST = PIN7

Below tool is written by VS2008 which is used to calibrate the clock. Because DS1302 RTC runs faster than standard clock (from internet) about several seconds per day, or RTC is reset due to out of battery

How to use:

Select COM port for Arduino clock -> Select Baud rate (default = 9600) -> Click Connect -> Click Sync

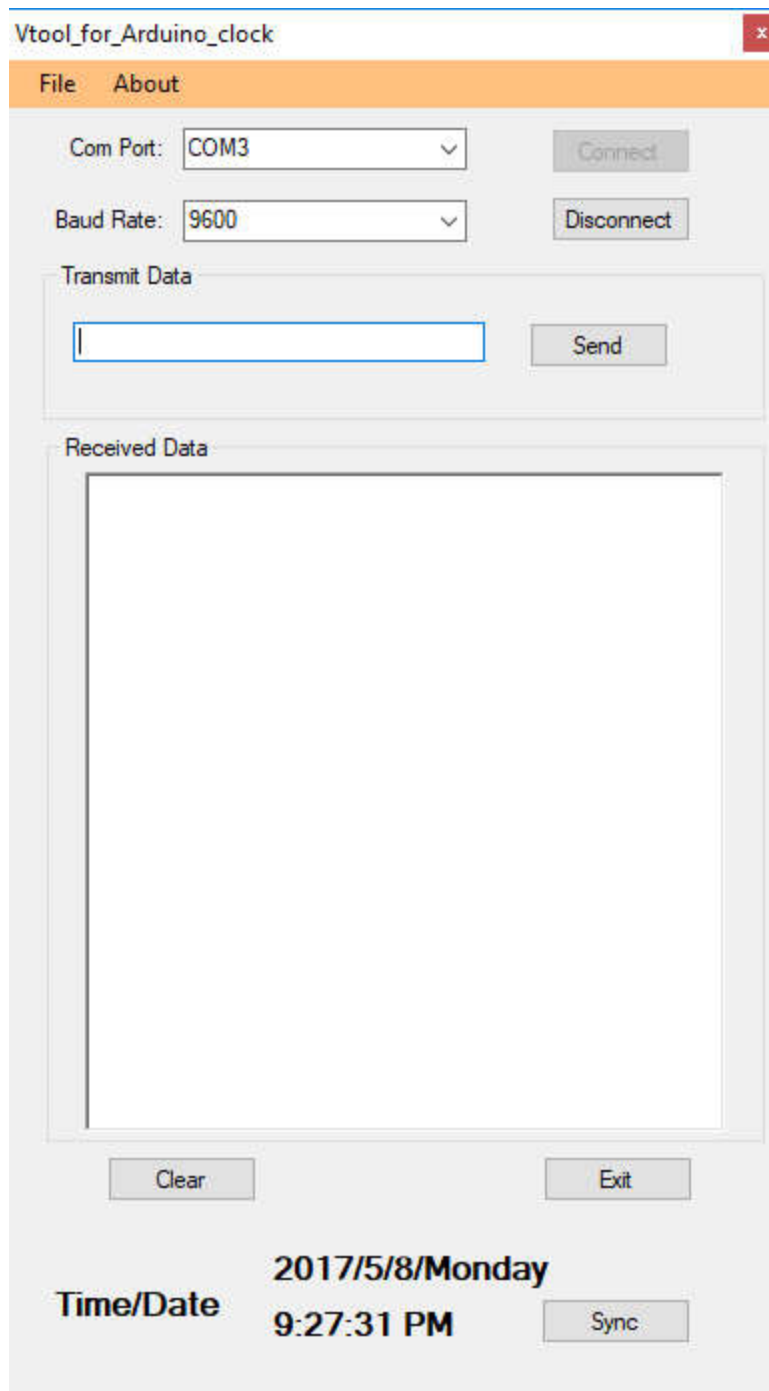


Figure 2 - Time Calibration Tool