

## Finish the **BIGLED** Wall Clock

Assemble the digits with the 6 wire cables as pictured. Although the digits are numbered there is no required order.

Mounting the clock is up to you and where your creativity will come out. One idea is to mount the entire unit as a boxed picture.

A much simpler approach is to leverage the mounting holes each digit has and attach to 2 rails of 1" x 1/4" strips. Just remember to group the hour, minute and seconds digits closer to each other.

Even simpler still can to use cardboard as a backing. Per the picture.

There are 2 key programs for the project. BIGLEDclock.ino runs the clock day to day. Another program – I am still developing - will set the Chronodot, the project time-base, from the GPS. I Still need to finish this off and will email when I have finished testing it. Since it will be very likely that no GPS signal would be receivable – there is the separate program. The plan is to disconnect the board from the clock, load the program and take the board (under battery power) to a spot where you can get the signal that will then set the Chronodot. The Chronodot's battery will keep the time for 9 years.

Enjoy and I hope this is a great exhibit for the school. Please let me know if there are any other exhibits you would like.

