

# Rotating RGB LED Display with Wireless Interface Using Atmega 328 Microcontroller

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## **Abstract**

*The basic idea of this project is to exploit the persistence of our vision and the human eye imperfections. It is based on the same principle as cartoons, which means that if a series of images are shown at a fast rate it leads to the sensation of movement and continuity. Through programming the microcontroller, eight LED's are turned on and off quickly while being rotated by a DC motor, giving the sensation of seeing a series of letters floating in the air. The microcontroller communicates wirelessly with the computer in order to update the displayed messages. Moreover, the whole system is powered through two roller bearings.*