

## ABSTRACT

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*Board DMX 512 design as controller of stage lighting which are well known in every use it. Large and need a place to put it. Furthermore many cables are connected to each stage lightings so it is complicated. From the problem, the final project was created to provide a more practical solution and can be used with the same function. In this final project DMX 512 uses a microcontroller to control the lights work as desired. Besides microcontroller-based, user control the lights with interface using android as application created specifically to control the stage lights. Users can turn on the lights as desired variation and can be operated automatically by using sound sensor, so the stage lighting will light up to the beat of the music.*

*Keyworld : DMX 512, Microcontroller, Sound sensor.*