UPPSALA
UNIVERSITET

Report for 1TE663

Project group 13 (Music Sound System!)

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1 Project Overview

My project about "Music Sound System" that play music from a smartphone (from music app.) through Bluetooth connection and the ATmega328 controller allow increasing the volume through an amplifier connected to it by using "Potentiometer" to increase/decrease. The speaker may need more power so I may use another type of amplifier to make provide more power to speakers.

The equipment's:

- ATmega328 Controller
- Programming Adapter
- Speakers
- Bluetooth as slave (maybe I will use AUX wire to direct connection)
- Simple Amplifier (using capacitor, Potentiometer, transistor, and resistors)
- external power for amplifier (maybe)
- Breadboard, Jumper Wires, resistors, buttons, and LEDS.

I used "fritzing" software to show a 2D design of the project the diagram missing "Programming Adapter" since not available in the software. The diagram missing button for (play/pause) I will try to add it if I did this part first as well as a bunch of LED'S. I will use the same software we used previously in Labs and I hope to programming it not complex.
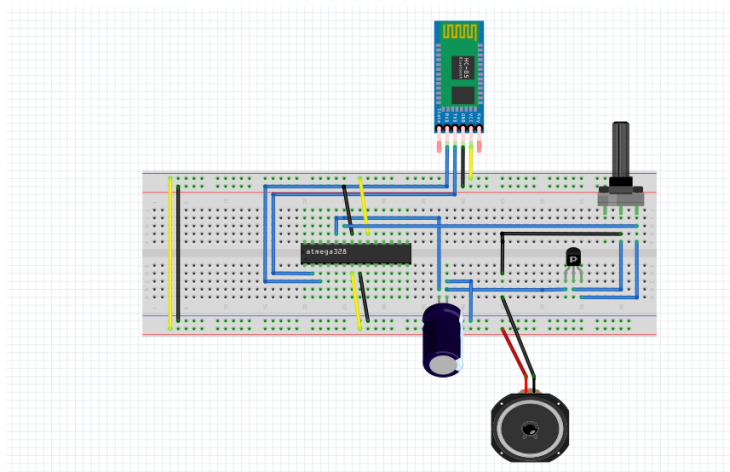

Figure 1: Shows the expected connection without "Programming Adapter"