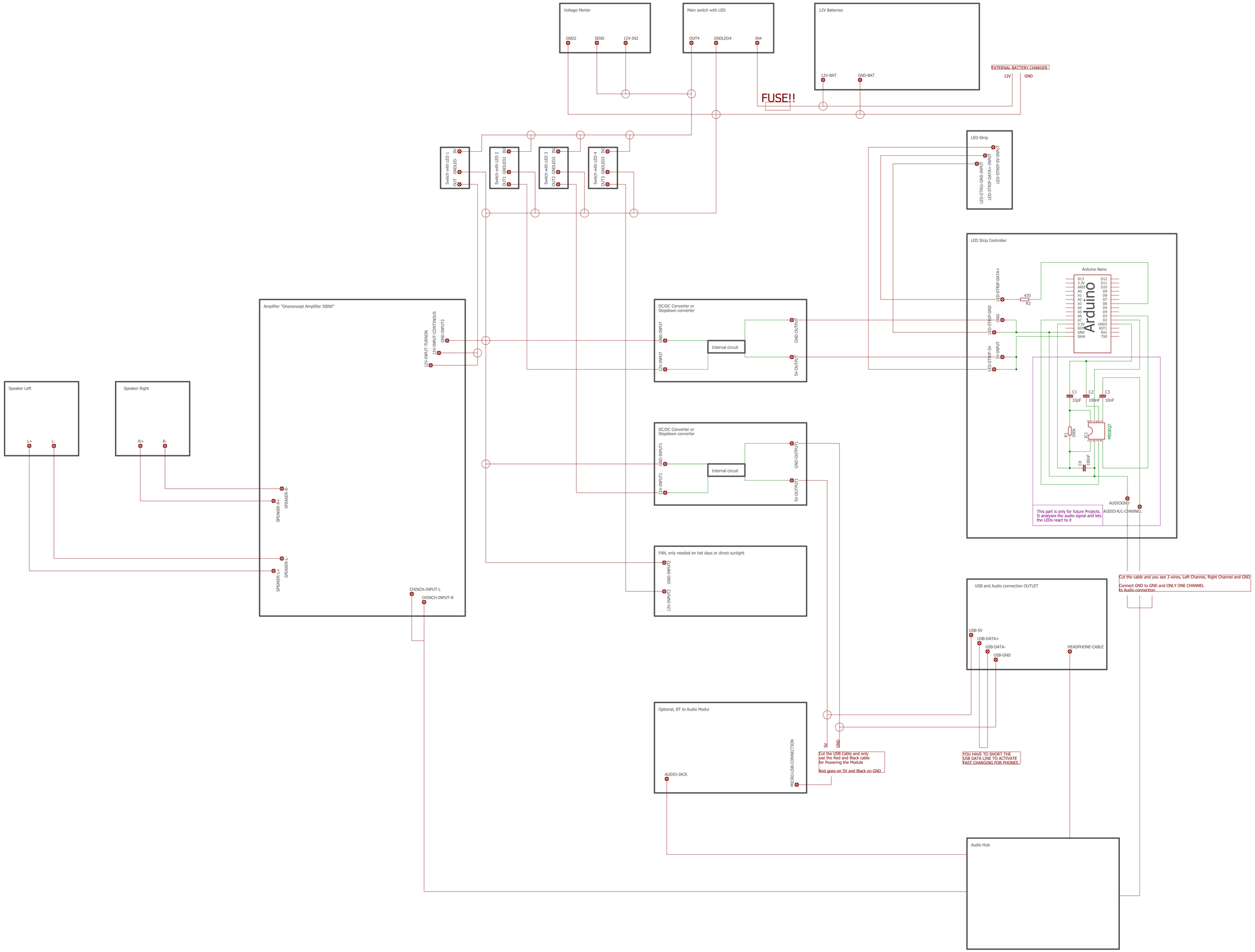
Voltage Merter
GND2
SENS
12V-IN2
Main switch with LED
OUT4
GNDLED4
IN4
12V Batteries
12V-BAT
GND-BAT
EXTERNAL BATTERY CHARGER
12V
GND
FUSE!!
Switch with LED 1
IN
GNDLED
OUT
Switch with LED 2
IN1
GNDLED1
OUT1
Switch with LED 3
IN2
GNDLED2
OUT2
Switch with LED 4
IN3
GNDLED3
OUT3
LED-Strip
LED-STRIP-GND-INPUT
LED-STRIP-DATA+-INPUT
LED-STRIP-5V-INPUT
LED Strip Controller
Arduino Nano
LED-STRIP-DATA+
LED-STRIP-GND
LED-STRIP-5V
470
R2
C1
33pF
C2
100nF
C3
10nF
R1
200k
IC1
MSGEQ7
C4
100nF
AUDIOGND
AUDIO-R/L-CHANNEL
This part is only for future Projects. It analyses the audio signal and lets the LEDs react to it
Amplifier "Oneconcept Amplifier 500W"
12V-INPUT-TURNON
12V-INPUT-CONTINOUS
GND-INPUT3
SPEAKER-R+
SPEAKER-R-
SPEAKER-L+
SPEAKER-L-
CHINCH-INPUT-L
CHINCH-INPUT-R
Speaker Left
L+
L-
Speaker Right
R+
R-
DC/DC Converter or Stepdown converter
GND-INPUT
12V-INPUT
Internal circuit
GND-OUTPUT
5V-OUTPUT
DC/DC Converter or Stepdown converter
GND-INPUT1
12V-INPUT1
Internal circuit
GND-OUTPUT1
5V-OUTPUT1
FAN, only needed on hot days or direct sunlight
GND-INPUT2
12V-INPUT2
USB and Audio connection OUTLET
USB-5V
USB-DATA+
USB-DATA-
USB-GND
HEADPHONE-CABLE
Optional, BT to Audio Modul
AUDIO-JACK
MICRO-USB-CONNECTION
5V
GND
Cut the USB Cable and only use the Red and Black cable for Powering the Module
Red goes on 5V and Black on GND
YOU HAVE TO SHORT THE USB DATA LINE TO ACTIVATE FAST CHARGING FOR PHONES
Cut the cable and you see 3 wires, Left Channel, Right Channel and GND
Connect GND to GND and ONLY ONE CHANNEL to Audio connection
Audio Hub