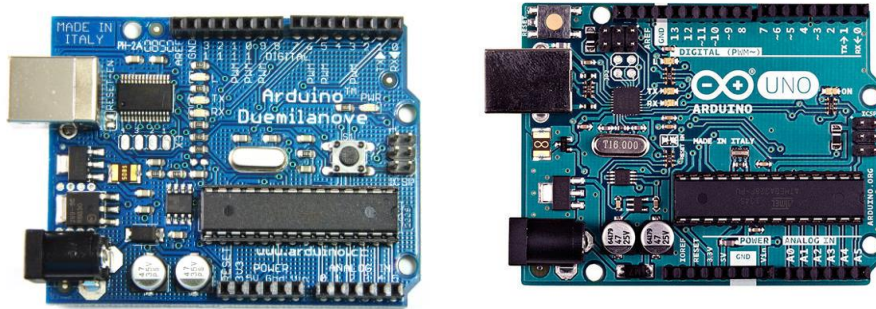
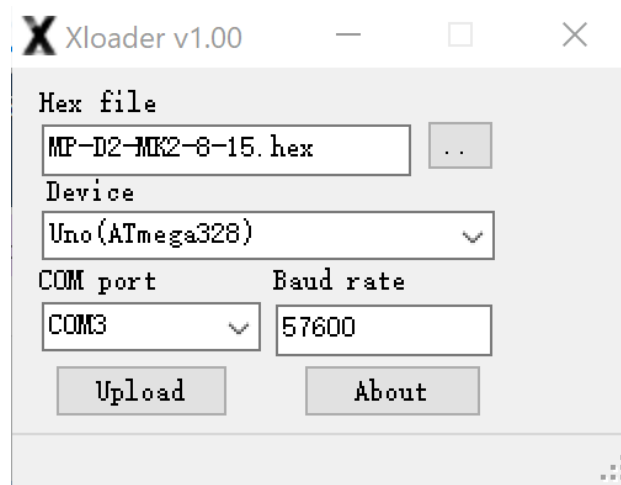


## MP-D2 (MK1 and MK2) Firmware Upgrade Guide

1. To upgrade the MCU firmware, an Arduino Uno or Duemilanove with ATMEGA 328P MCU is required.



2. Open XLoader.exe, choose MP-D2 hex firmware file. Under device, choose either Uno or Duemilanove accordingly. Under Com port, choose the correct com port. Finally, click Upload.



3. Open MP-D2 top cover, unplug the original ATMEGA 328P MCU from the front PCB board. Plug in the new ATMEGA 328P MCU containing new firmware form the Uno or Duemilanove.



4. Changelogs  
2017-08-15 MP-D2-Firmware-8-15.hex – Improve AK4497 sound quality and initial support for ES9038pro. Add 30 seconds warm-up time after power on.