

## Oversea purchase links of Lab4 and Lab5 materials

1. Arduino UNO board with USB cable Qty. 1

[https://www.alibaba.com/product-detail/Italy-Mega328p-Ch340-Atmega328-Uno-R3\\_62377176189.html?spm=a2700.7724857.normalList.23.7eb5bb86htHPEt](https://www.alibaba.com/product-detail/Italy-Mega328p-Ch340-Atmega328-Uno-R3_62377176189.html?spm=a2700.7724857.normalList.23.7eb5bb86htHPEt)

2. Mic amp and speaker amp board with condenser mic Qty. 1

Mic amp module:

[https://www.alibaba.com/product-detail/A18-Microphone-Voice-Sound-Sensor-Module\\_62397607727.html?spm=a2700.7724857.normalList.1.18d44bf5vADIPE](https://www.alibaba.com/product-detail/A18-Microphone-Voice-Sound-Sensor-Module_62397607727.html?spm=a2700.7724857.normalList.1.18d44bf5vADIPE)

Speaker amp module:

[https://www.alibaba.com/product-detail/200-times-gain-of-LM386-audio\\_62483657537.html?spm=a2700.7724857.normalList.17.133c756a3N6L8J](https://www.alibaba.com/product-detail/200-times-gain-of-LM386-audio_62483657537.html?spm=a2700.7724857.normalList.17.133c756a3N6L8J)

Small speaker:

[https://www.alibaba.com/product-detail/36mm-8ohm-2w-small-tweeter-speaker\\_60086409440.html?spm=a2700.7724857.normalList.86.5ccc1e4cckGo04](https://www.alibaba.com/product-detail/36mm-8ohm-2w-small-tweeter-speaker_60086409440.html?spm=a2700.7724857.normalList.86.5ccc1e4cckGo04)

3. Battery pack with 4 LiFePO<sub>4</sub> rechargeable batteries Qty. 1

Battery holder (AA x 4):

[https://www.alibaba.com/product-detail/4xAA-Battery-Holder-With-Wire-Leads\\_1631231050.html?spm=a2700.galleryofferlist.0.0.30946c07NCEPi5](https://www.alibaba.com/product-detail/4xAA-Battery-Holder-With-Wire-Leads_1631231050.html?spm=a2700.galleryofferlist.0.0.30946c07NCEPi5)

LiFePO<sub>4</sub> rechargeable batteries (Qty. 4):

[https://www.alibaba.com/product-detail/AA-size-14500-battery-lifepo4-battery\\_60814027187.html?spm=a2700.galleryofferlist.0.0.1dd653912MKesD](https://www.alibaba.com/product-detail/AA-size-14500-battery-lifepo4-battery_60814027187.html?spm=a2700.galleryofferlist.0.0.1dd653912MKesD)

4. Micro SD card module with SD card Qty. 1

SD card module:

[https://www.alibaba.com/product-detail/Micro-SD-card-module-SPI-interface\\_62501964788.html?spm=a2700.galleryofferlist.0.0.9b7a14e09sNMyL](https://www.alibaba.com/product-detail/Micro-SD-card-module-SPI-interface_62501964788.html?spm=a2700.galleryofferlist.0.0.9b7a14e09sNMyL)

Micro SD card (32GB):

[https://www.alibaba.com/product-detail/100-Original-sandisk-TF-32G-Ultra\\_60655951909.html?spm=a2700.galleryofferlist.0.0.499d53460LrYDZ](https://www.alibaba.com/product-detail/100-Original-sandisk-TF-32G-Ultra_60655951909.html?spm=a2700.galleryofferlist.0.0.499d53460LrYDZ)

5. Dupont wires Qty. 9

**Male to female Dupont wires (20cm) :**

[https://www.alibaba.com/product-detail/40P-dupont-line-10cm-20cm-30cm\\_62253072255.html?spm=a2700.galleryofferlist.0.0.40242041ZsiONr](https://www.alibaba.com/product-detail/40P-dupont-line-10cm-20cm-30cm_62253072255.html?spm=a2700.galleryofferlist.0.0.40242041ZsiONr)