# MultiMedia Utilites for Science Education (MMUSE)
## Installation Guideline for Windows

Preparation (for Windows 10/11 only)

Since this MMUSE package is provided free-of-charge for educational usage, it does not get registered in the Microsoft's Developer program. Hence, the following steps are needed to allow your computer to install it in the Microsoft Windows 10 or 11 environment:-

1. Launch the '**START**' menu and then open the '**Settings**'.
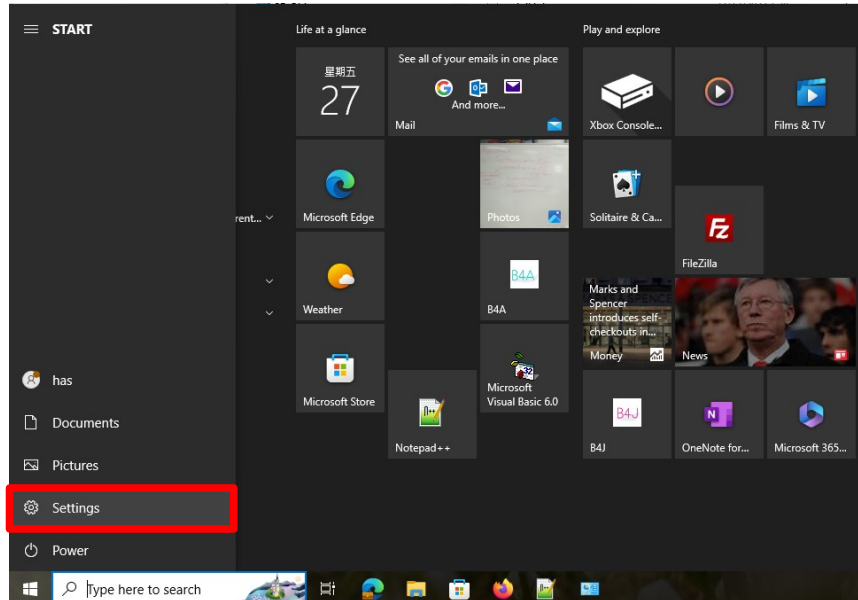
2. Select '**Updates and Security**' (or called '**Privacy & Security**' in Windows 11) and then go to the '**For Developer**' section. Under the **Developer Mode**, set the toggle to '**On**' status to install apps from any source. Click '**Yes**' in the pop-up window called '**Use developer features**'.
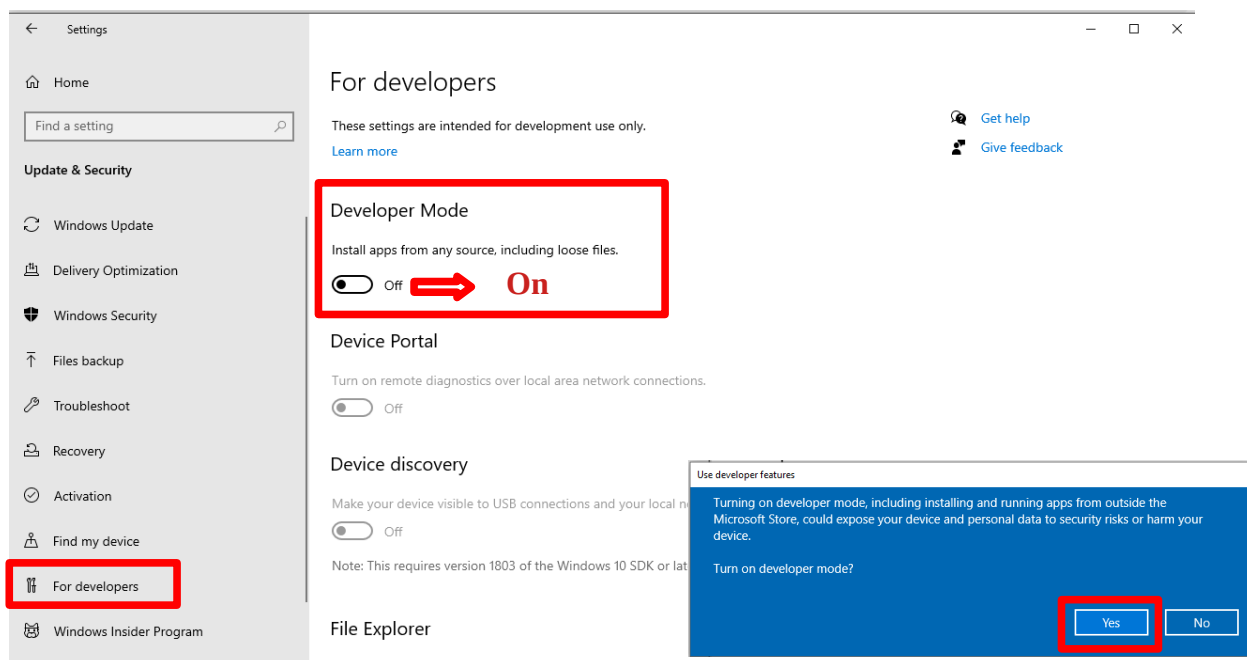
3. Furthermore, select '**Windows Security**' and then click '**Open Windows Security**'.
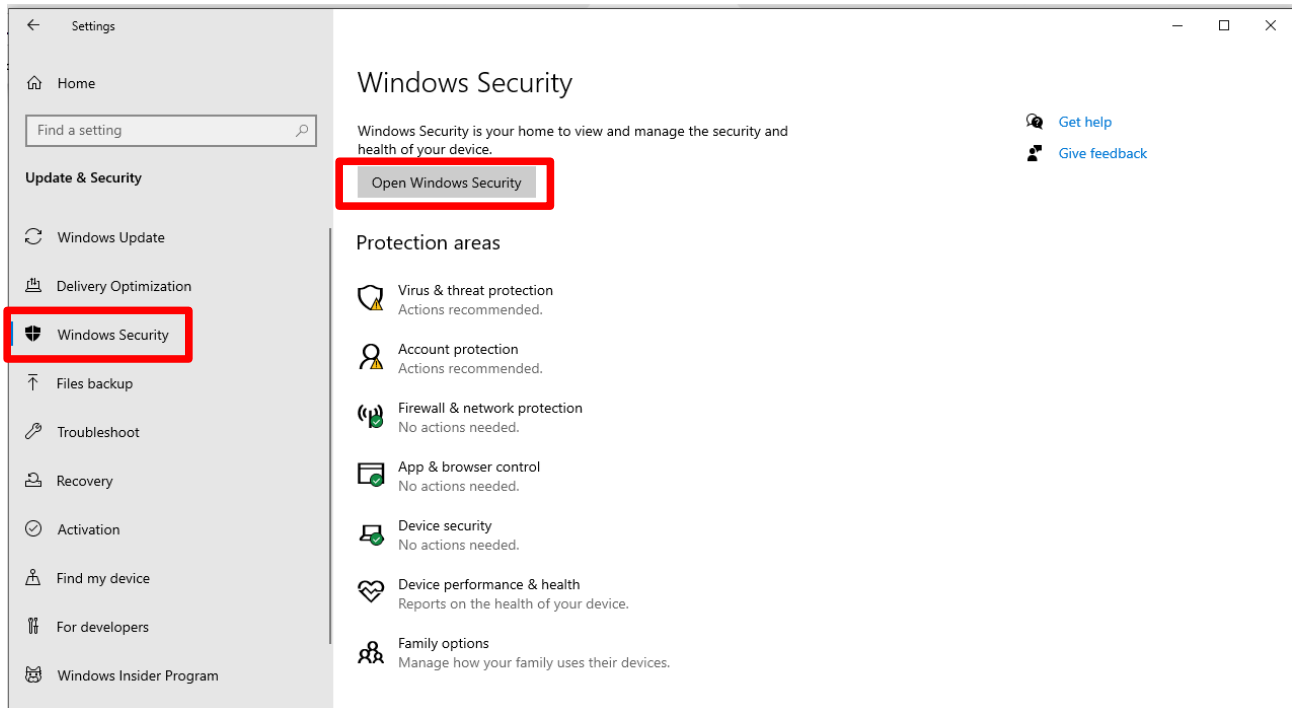
4. Select '**App & browser control**' and then *temporarily* set the toggles under **Check apps and files** and **Potentially unwanted app blocking** to **Off** status in the **Reputation-based protection** section.
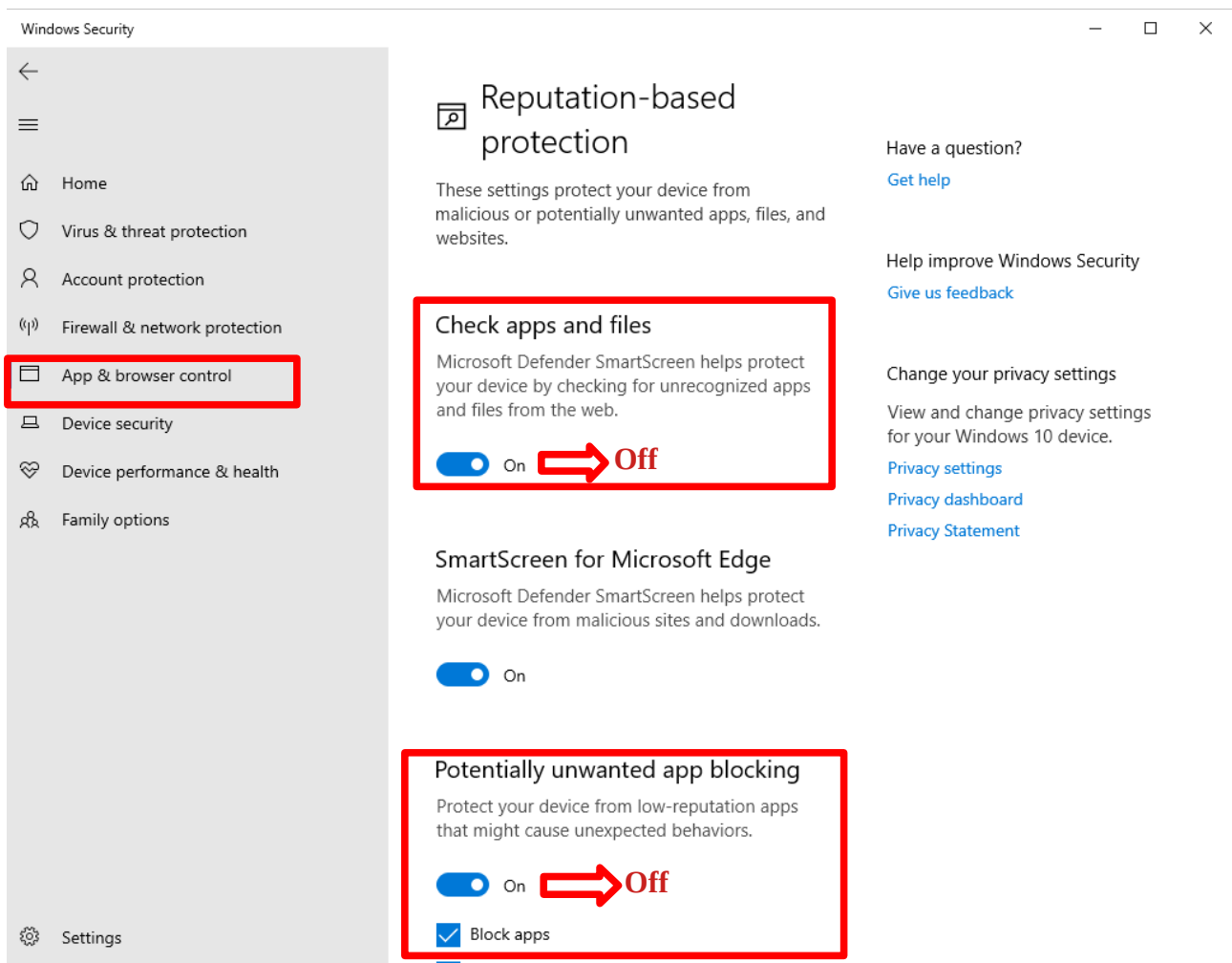
Installation of MMUSE

1. Download a zip file such as MMUSE_win10.zip or an exe file like MMUSE_win10.exe from https://stemed.online/mmuse/

2. For the *.zip file, unzip it to a user's folder with a folder name like '**mmuse**' and then double click on the file called "**setup.exe**" to start the installation process. For the *.exe file like MMUSE_win10.exe, just double click on it to start.
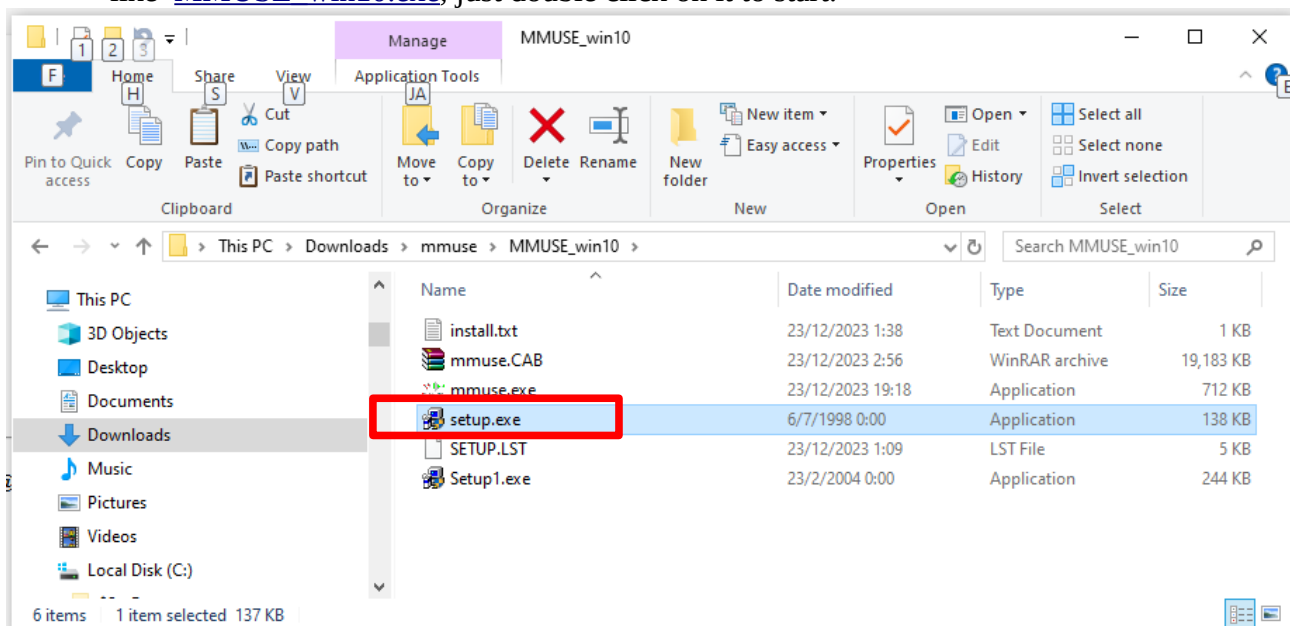
3. Go through the following installation processes with the choices encircled in red:
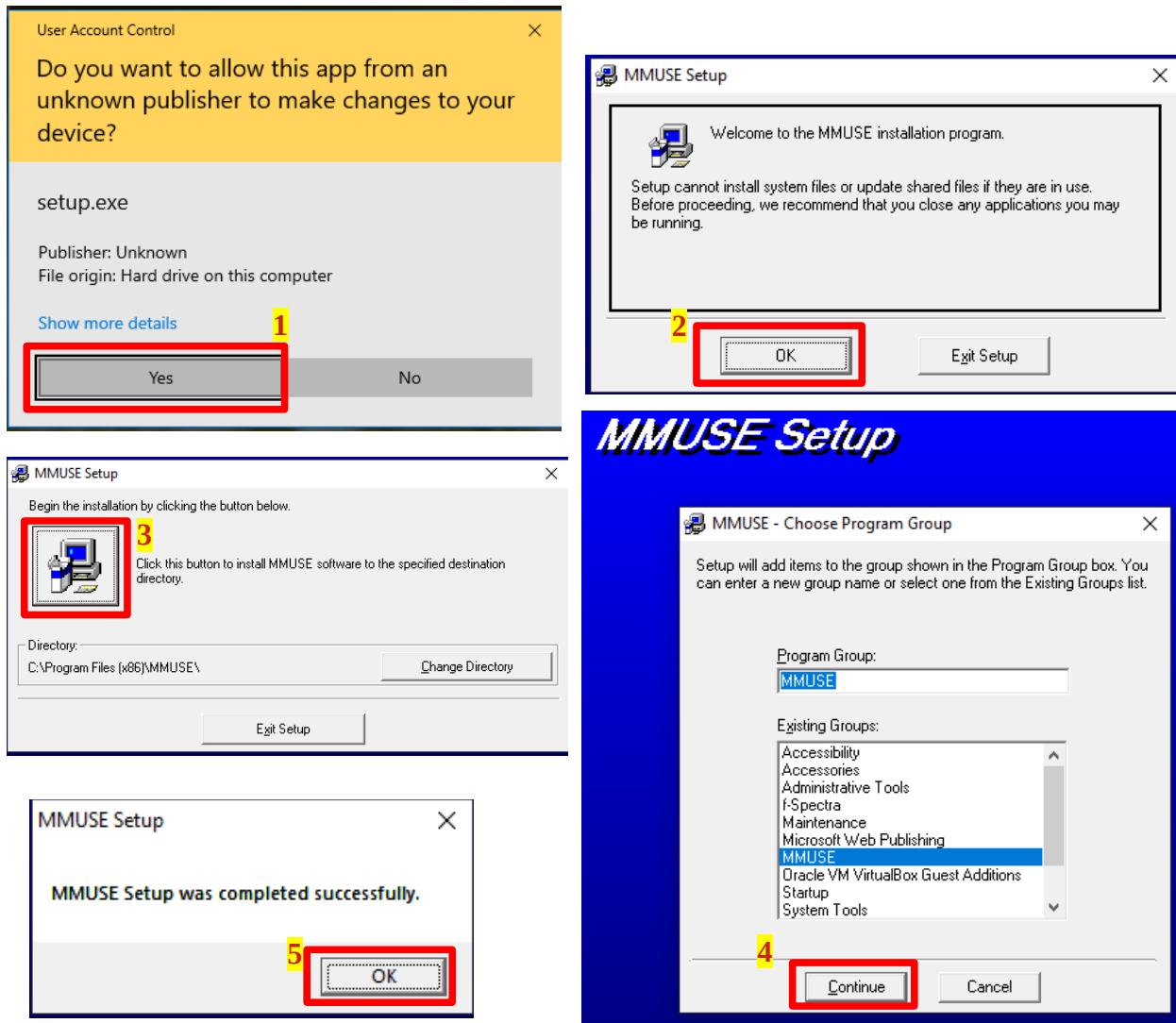
4. If successfully installed, you can see the MMUSE app with its icon within the Windows **START** menu.

5. **Remark:** This package could be installed and run in the Linux environment through the use of the **Wine** program.

Post-Installation

1. You may download a set of sample wave files called music.zip and video files called videos.zip from https://stemed.online/mmuse/. Unzip each of them and place them onto the program folder (usually located at "*C:\Program Files(x86)\MMUSE*")

Replace or Skip Files — □ ✕

Copying 23 items from music to MMUSE

The destination has 9 files with the same names

✓ Replace the files in the destination

↪ Skip these files

⧉ Let me decide for each file

⌃ Fewer details

Destination Folder Access Denied — □ ✕

You'll need to provide administrator permission to copy to this folder

MMUSE
Date created: 27/12/2024 15:00

☑ Do this for all current items

🛡 Continue   Skip   Cancel

⌃ Fewer details

Play   MMUSE

File   Home   Share   View   Music Tools

This PC › Local Disk (C:) › Program Files (x86) › MMUSE

Search MMUSE

| Name	#	Title	Contributing artists	Album	Size	Date created
beat2.wav					0 KB	29/3/2011 2:07
bongo.wav					0 KB	29/3/2011 2:07
bongoa.wav					46 KB	27/12/2024 15:03
but.wav					0 KB	29/3/2011 2:07
but1.wav					259 KB	27/12/2024 15:03
but2.wav					259 KB	27/12/2024 15:03
cello.wav					0 KB	29/3/2011 2:07
CRTmonitor.wav					245 KB	27/12/2024 15:03
c-wood.wav					474 KB	27/12/2024 15:03
ding.wav					173 KB	27/12/2024 15:03
LCDmonitor.wav					0 KB	29/3/2011 2:07
LDR-LCDmonitor3....					245 KB	27/12/2024 15:03
mmuse.exe					712 KB	23/12/2023 0:57
Photodiode_fluores...					0 KB	29/3/2011 2:07
record.wav					108 KB	27/12/2024 15:03
record1.wav					194 KB	27/12/2024 15:03
recorder.wav					0 KB	29/3/2011 2:07
Resonance.avi					510 KB	27/12/2024 15:03
rmoc3260.dll					0 KB	6/9/2008 18:00
sha.wav					216 KB	27/12/2024 15:03
ST6UNST.LOG					4 KB	27/12/2024 15:00
tt256.wav					388 KB	27/12/2024 15:03
tt256b.wav					229 KB	27/12/2024 15:03
tt415.wav					345 KB	27/12/2024 15:03
TT512.WAV					0 KB	29/3/2011 2:07
VIOLIN.WAV					0 KB	29/3/2011 2:07
wmp.dll					0 KB	16/11/2023 4:20

27 items   23 items selected   3.59 MB

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2. From the Windows Start menu, click on the MMUSE icon to launch it and then select "**Open Audio File**" under the "**File**" menu to open a sample wave file called "beat2.wav" inside the program folder.
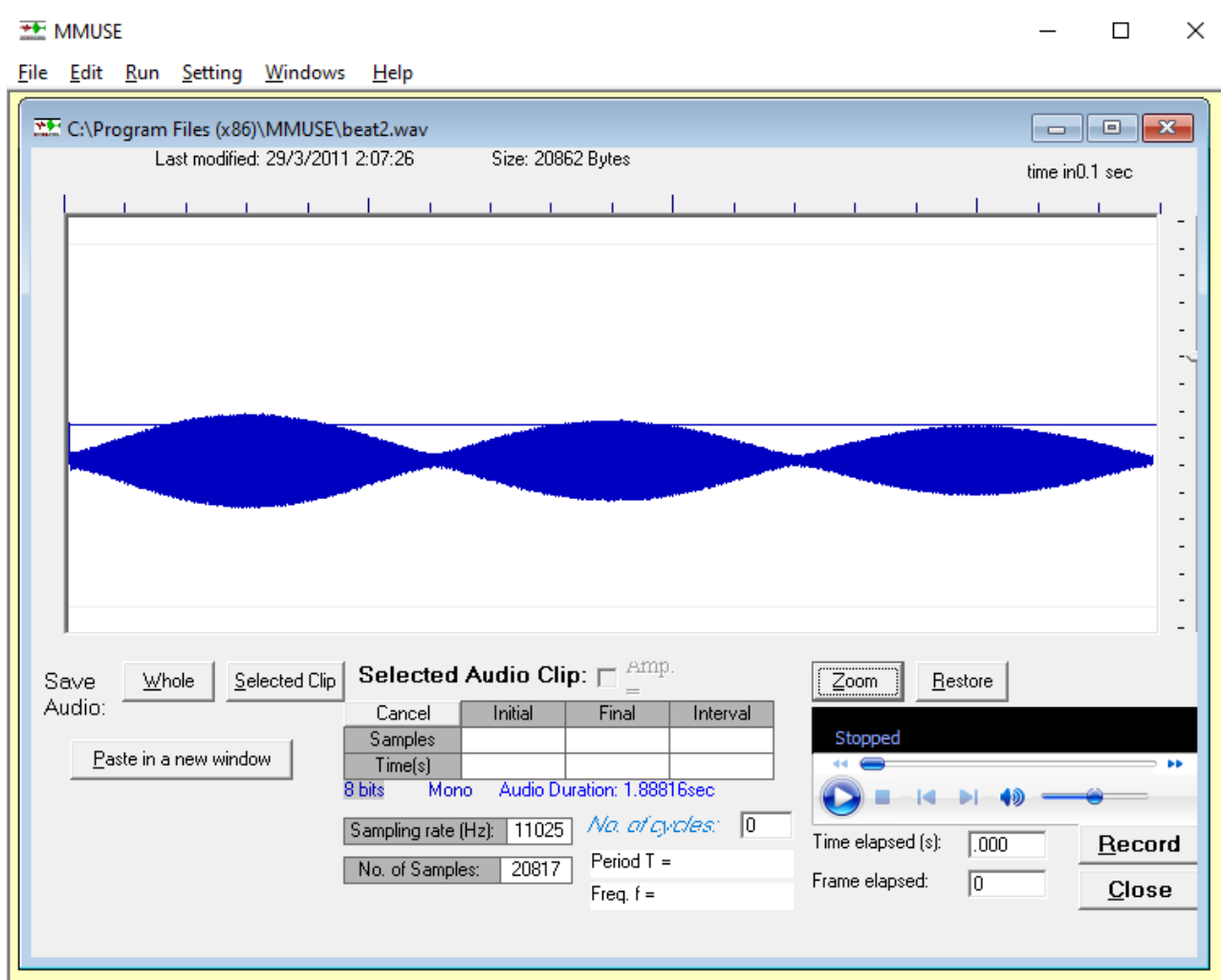
3. If the software can properly show the waveform like the above screen capture, you should restore the two toggles mentioned in the above **Preparation** step #4 to their original '**On**' status.

4. For future update of the package, just download the **mmuse.exe** file from the website https://stemed.online/mmuse/ and paste it onto the program folder such as "*C:\Program Files(x86)\MMUSE*" to replace the corresponding file.