## 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**'.

← Settings		- 🗆 X
ம் Home	For developers	
Find a setting	These settings are intended for development use only. Learn more	Get help
Update & Security		
⊖ Windows Update	Developer Mode	
曲 Delivery Optimization	Install apps from any source, including loose files.	
Windows Security		
T Files backup	Device Portal Turn on remote diagnostics over local area network connec	tions.
Troubleshoot     Troubleshoot	Off Off	
윤 Recovery	Device discovery	Use developer features
<ul> <li>Activation</li> </ul>	Make your device visible to USB connections and your local	n Turning on developer mode, including installing and running apps from outside the Microsoft Store, could expose your device and nersonal data to security risks or harm your
占 Find my device	Off Off	device.
H For developers	Note: This requires version 1803 of the Windows 10 SDK or I	at Turn on developer mode?
窗 Windows Insider Program	File Explorer	Yes No

3. Furthermore, select 'Windows Security' and then click 'Open Windows Security'.

← Settings			-	×
ம் Home	Windows Security			
Find a setting $ ho$ Update & Security	Windows Security is your home to view and manage the security and health of your device. Open Windows Security	Get help Give feedback		
${\mathbb C}$ Windows Update	Protection areas			
凸 Delivery Optimization	Virus & threat protection Actions recommended.			
Windows Security	Account protection			
→ Files backup	Actions recommended.			
🤌 Troubleshoot	Firewall & network protection No actions needed.			
윤 Recovery	App & browser control No actions needed.			
⊘ Activation	Pevice security No actions needed.			
Å Find my device	Pevice performance & health Reports on the health of your device.			
🖁 For developers				
遼 Windows Insider Program	Manage how your family uses their devices.			

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 <u>MMUSE win10.zip</u> or an exe file like <u>MMUSE win10.exe</u> from <u>https://stemed.online/mmuse/</u>
- 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 <u>MMUSE win10.exe</u>, just double click on it to start.

I 2 3 ▼ I F Home Share View App	Manage MMUSE_win10			- 0	×
Pin to Quick Copy Paste access	Move Copy to to to Creanize	New item •	Properties	Select all	1
← → · ↑ → This PC → Download	s > mmuse > MMUSE_win10 >		v Ö S	earch MMUSE_win10	م
This PC	Name ^	Date mo	dified Type	Size	
3D Objects	install.txt	23/12/20	23 1:38 Text	Document	1 KB
Desktop	🔚 mmuse.CAB	23/12/20	23 2:56 WinF	RAR archive 19,1	183 KB
Documents	20t mmuse.exe	23/12/20	23 19:18 Appl	lication	712 KB
Downloads	🔀 setup.exe	6/7/1998	0:00 Appl	lication 1	138 KB
Music	SETUP.LST	23/12/20	23 1:09 LST F	File	5 KB
	👹 Setup1.exe	23/2/200	4 0:00 Appl	lication	244 KB
Videos					
Local Disk (C:)	,				
6 items 1 item selected 137 KB					

3. Go through the following installation processes with the choices encircled in red:

User Account Control X	
Do you want to allow this app from an unknown publisher to make changes to your device?	MMUSE Setup ×
setup.exe Publisher: Unknown File origin: Hard drive on this computer Show more details Yes No	Setup cannot install system files or update shared files if they are in use. Before proceeding, we recommend that you close any applications you may be running.
B MMUSE Setup ×	MMUSE Setup
Begin the installation by clicking the button below.           3           Click this button to install MMUSE software to the specified destination directory.	BMMUSE - Choose Program Group ×
Directory: C:\Program Files (x86)\MMUSE\ 	Program Group: MMUSE
E <u>x</u> it Setup	Existing Groups: Accessibility Accessories Administrative Tools
MMUSE Setup ×	f-Spectra Maintenance Microsoft Web Publishing MMUSE Dracle VM VirtualBox Guest Additions Startup System Tools
5 OK	4Continue

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 <u>Wine</u> program.

## **Post-Installation**

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

🔫 Replace or Skip File	s — 🗆	× Destination Folder Access Denied	– 🗆 ×	
Copying 23 items fro	om music to MMUSE	You'll need to provide administrator pe	ermission to copy to this folder	
The destination	has 9 files with the same names			
		MMUSE Date created: 27/12/2024	15:00	
✓ <u>R</u> eplace the	e files in the destination			
🤊 <u>S</u> kip these	files			
- ·				
<sup>L</sup> ⊉ <u>L</u> et me dec	ide for each file	Continue	<u>S</u> kip Cancel	
> Fewer details		Fewer details		
📕 I 🖸 📕 🄊 🖛 I	Play MMUSE		- 0	>
File Home Share View	Music Tools			^
Preview pane	ge icons 🛋 Large icons 👘 Medium icons 🔺 💷 🚺	Group by • Item check boxes		
Navigation Details pape	ns BE List BEE Details Sort	Add columns   File name extensions Hide selected Options	5	
pane - Tiles	by v by v	ize all columns to fit 🗹 Hidden items 🗸 🗸		
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← → Y ↑ 📙 > This PC > Local	Disk (C:) > Program Files (x86) > MMUSE		✓ ♂ Search MMUSE	2
OneDrive	Name # Title	Contributing artists Album Size Da	ate created	
	o beat2.wav	0 KB 29	9/3/2011 2:07	
	o bongo.wav	0 KB 29	9/3/2011 2:07	
This PC	o bongoa.wav	46 KB 27	7/12/2024 15:03	
🔰 3D Objects	o but.wav	0 KB 25	7/12/2011 2:07	
Desktop	o but?.wav	259 KB 27	7/12/2024 15:03	
Bocuments	o cello.way	0 KB 29	)/3/2011 2:07	
Downloads	CRTmonitor.wav	245 KB 27	7/12/2024 15:03	
Music	c-wood.wav	474 KB 27	7/12/2024 15:03	
Pictures	o ding.wav	173 KB 27	7/12/2024 15:03	
📑 Videos	LCDmonitor.wav	0 KB 29	9/3/2011 2:07	
🏪 Local Disk (C:)	DR-LCDmonitor3	245 KB 27	7/12/2024 15:03	
\$SysReset	muse.exe	712 KB 23	3/12/2023 0:57	
SWinREAgent	Photodiode_tiuores	0 KB 25 109 KB 25	7/12/2024 15:02	
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AvogadroOrca4.2.1.current	o recorder.way	0 KB 29	)/3/2011 2:07	
- Fuji Xerox	Resonance.avi	510 KB 27	7/12/2024 15:03	
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LDPlayer	o sha.wav	216 KB 27	7/12/2024 15:03	
	ST6UNST.LOG	4 KB 27	7/12/2024 15:00	
Program Files	o tt256.wav	388 KB 27	7/12/2024 15:03	
Program Files (x86)	0 tt256b.wav	229 KB 27	//12/2024 15:03	
ProgramData	0 TT512 WAV	345 KB 2/	y/2/2024 15:05 0/3/2011 2:07	
Users	O VIOLIN.WAV	0 KB 25 0 KB 20	3/3/2011 2:07	
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Windows		010		
📖 · · · · · · · · · · · · · · · · · · ·	vie v			
27 items 23 items selected 3.59 MB				8==

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 <u>https://stemed.online/mmuse/</u> and paste it onto the program folder such as "*C:\Program Files(x86)\MMUSE*" to replace the corresponding file.