

节目表演所用电脑技术

William Jan. 25, 2023

摘要

大众节目表演所用电脑技术不外是音频加视频的种种修改合成. 根据以往经验大概可以分为以下几类:

- . 歌曲或者伴奏音乐需要调高/调低(Pitch Control)
- . 歌曲或者伴奏音乐需要调速(Speed Control)
- . 视频能播放但不能下载, 需要屏幕录像 (Screen Video Recording)
- . 音频能播放但不能下载, 需要屏幕录音. (Screen Audio Recording)
- . 取出视频中的音频信号(MP4=>MP3)
- . 视频文件修改(切割, 改音频信号, 加字幕消字幕, 脸部模糊等)
- . 分割演唱视频中的伴奏和歌声

目 录

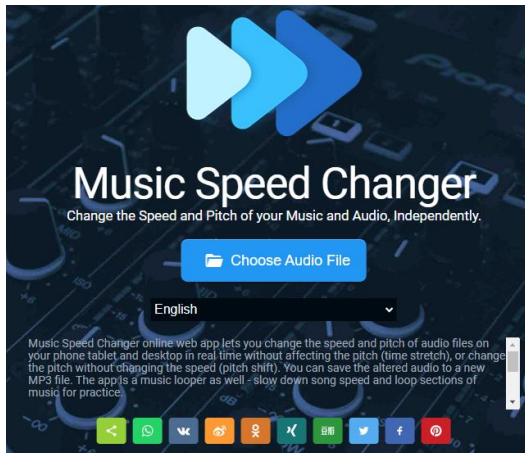
I. 歌曲或者伴奏音乐需要调高/调低(Pitch Control).....	2
II. 歌曲或者伴奏音乐需要调速(Speed Control)	2
III. 视频能播放但不能下载, 需要屏幕录像.....	3
3.1 How to Screen Record in Windows 10 or Windows 11	3
3.2 录好的视频在哪里.....	4
IV. 音频能播放但不能下载, 需要屏幕录音	4
4.1 CDWave Program.....	4
4.2 WavePad Audio Editor	5
V. 取出视频中的音频信号(MP4=>MP3)	6
VI. 视频文件修改(切割, 改音频信号, 加字幕消字幕, 脸部模糊等).....	7
VII. 分割演唱视频中的伴奏和歌声	7
VIII. PhotoPad Image Editor 压缩照片 SIZE.....	8
8.1 Download PhotoPad Free Version	8
8.2 Certify used for non-commercial.	8
8.3 Using the Batch Function to Compress a set of Pictures	8

I. 歌曲或者伴奏音乐需要调高/调低(Pitch Control)

Online 网站可以解决 Pitch Control

<https://musicspeedchanger.com/>

<https://app.musicspeedchanger.com/>



Music Speed (& Pitch) Changer

Change the Speed and Pitch of your Music and Audio, Independently.

Music Speed Changer online web app lets you change the speed and pitch of audio files on your phone tablet and desktop in real time without affecting the pitch (time stretch), or change the pitch without changing the speed (pitch shift). You can save the altered audio to a new MP3 file. The app is a music loop as well - slow down song speed and loop sections of music for practice.

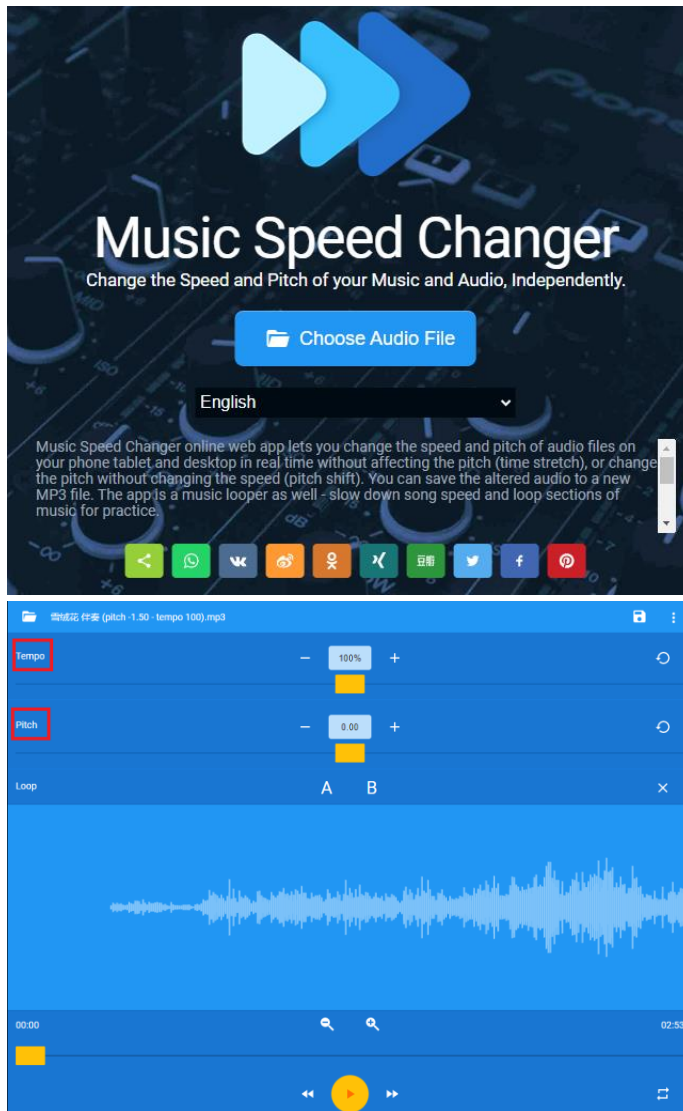
Music Speed Changer is great for musicians practicing an instrument needing to slow down the tempo or practice in a different tuning, speeding up audio books for faster listening, making nightcore, changing a tracks's pitch or just rocking out to your favorite song at 130%.

To get started, select any audio file on your device by clicking the "Choose Audio File" button.

II. 歌曲或者伴奏音乐需要调速(Speed Control)

Online 网站可以解决 Tempo Control

<https://app.musicspeedchanger.com/>



III. 视频能播放但不能下载, 需要屏幕录像

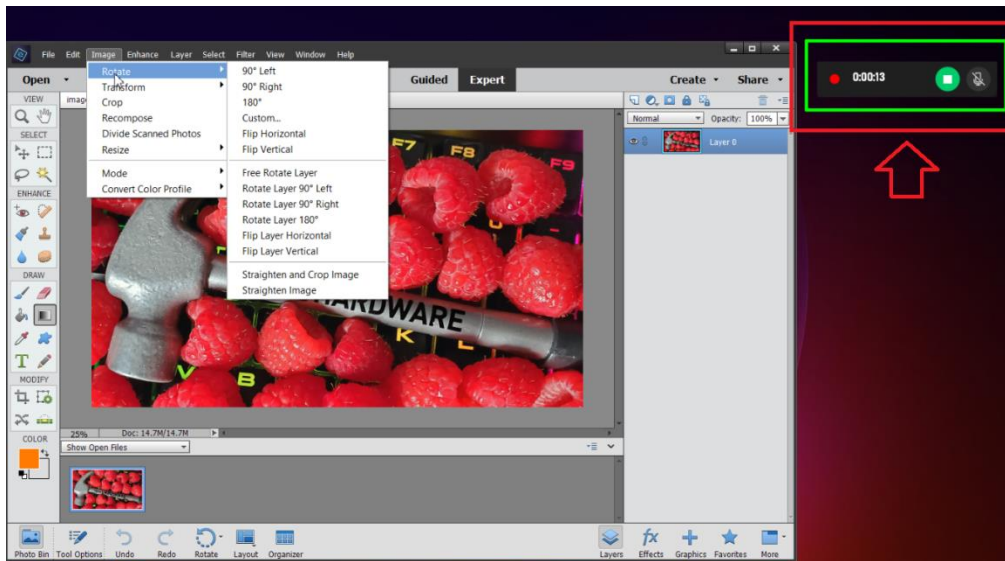
3.1 How to Screen Record in Windows 10 or Windows 11

<https://www.tomshardware.com/how-to/screen-record-in-windows>

Hit the Windows Key + Alt + R

Hit the Windows Key + Alt + R to start screen recording. A small recording widget showing how long you've been recording appears somewhere on the screen, most likely in a corner. You

can also get here by launching the Xbox Gamebar (Windows Key + G) and then finding the capture widget, but the keyboard shortcut is much simpler.



3.2 录好的视频在哪里

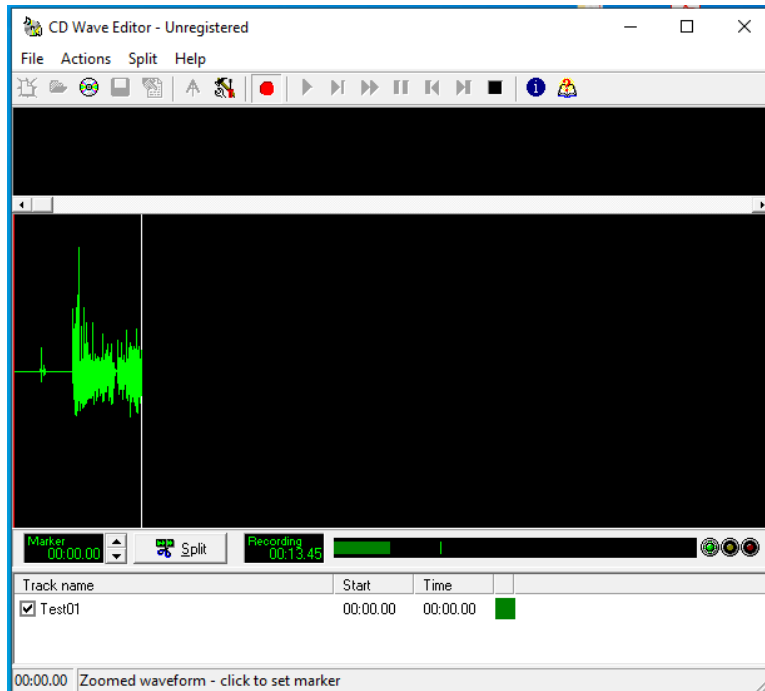
C:\Users\William\Videos\Captures

IV. 音频能播放但不能下载, 需要屏幕录音

4.1 CDWave Program



https://download.cnet.com/CD-Wave-Editor/3001-2170_4-51481.html



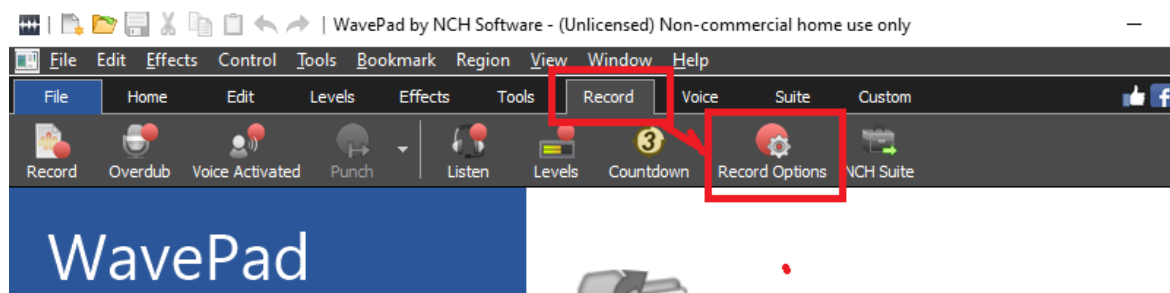
4.2 WavePad Audio Editor

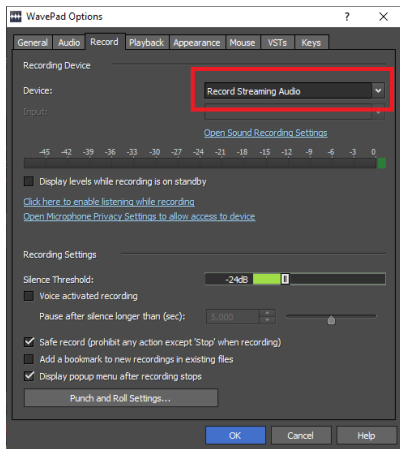


WavePad. Download WavePad Free Version here:

 [Download](#) in seconds to easily edit audio files

Get it Free. This free audio editor is available for non-commercial use only. WavePad free audio editing software does not expire and includes many of the features of the master's version. If you are using it at home, you can [download the free music editing software here](#). You can always upgrade to the master's edition at a later time, which has additional effects and features for the serious sound engineer. No signup required.



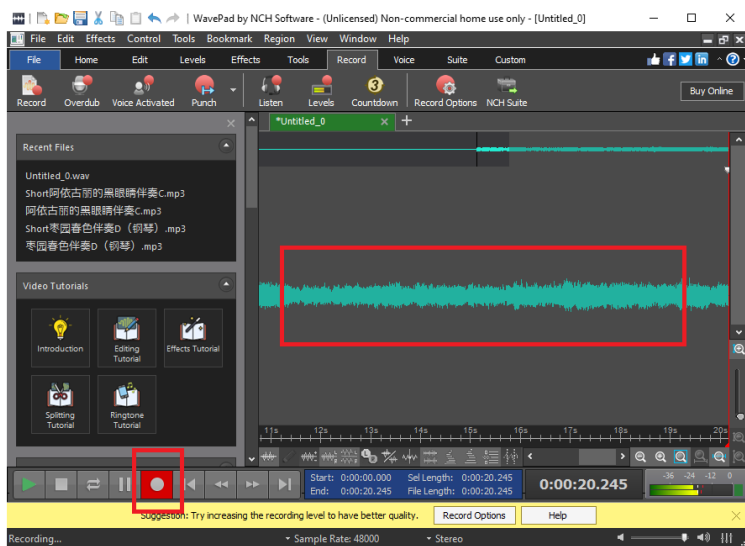


重要:

Record -> Record Options

然后选取 “Record Streaming Audio”.

这样才能录屏幕上出现的音频信号.



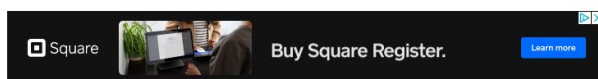
V. 取出视频中的音频信号(MP4=>MP3)

Online MP4 => MP3

<https://www.freeconvert.com/mp4-to-mp3/download>

MP4 to MP3 Converter

Convert MP4 to MP3 online, for free.



VI. 视频文件修改(切割, 改音频信号, 加字幕消字幕, 脸部模糊等)

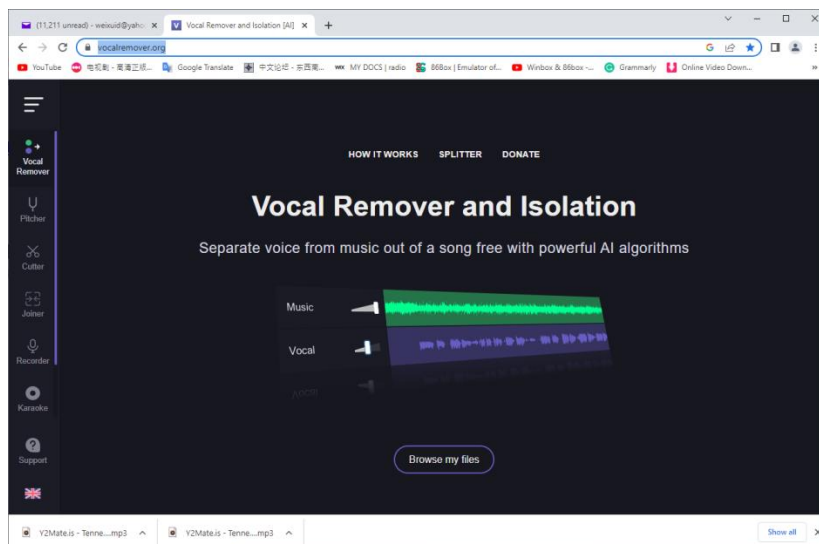
视频编辑软件 VideoPad 几乎能解决所有的问题.



VII. 分割演唱视频中的伴奏和歌声

用人工智能的方法删除唱词!! 最后产生两个 audio MP3文件: Music & Vocal. 效果极其好.

<https://vocalremover.org/>



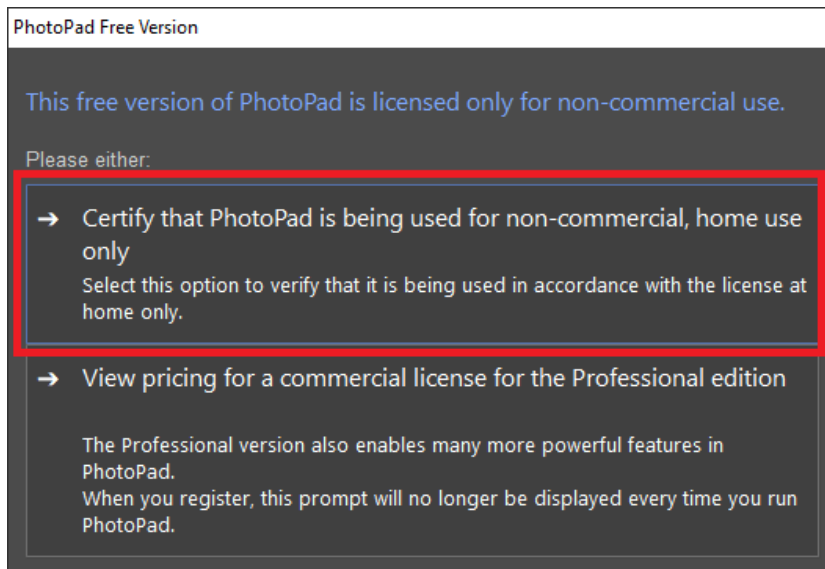
VIII. PhotoPad Image Editor 压缩照片 SIZE

8.1 Download PhotoPad Free Version

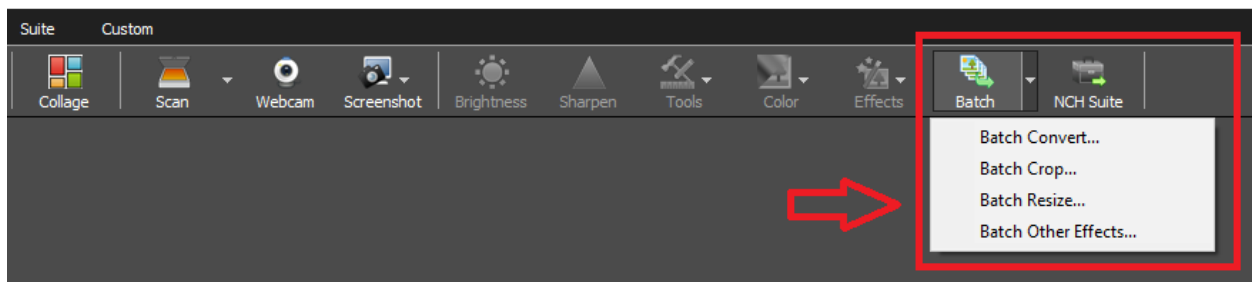


https://photopad.en.softonic.com/download?utm_source=SEM&utm_medium=paid&utm_campaign=E_N_US_DSA&gclid=EAlaIqObChMI7fOZr_nx_AIV9zizAB3ywQSdEAAYyAAEgK4N_D_BwE

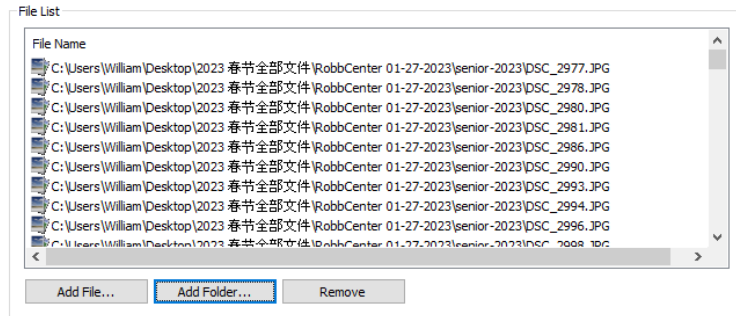
8.2 Certify used for non-commercial.



8.3 Using the Batch Function to Compress a set of Pictures



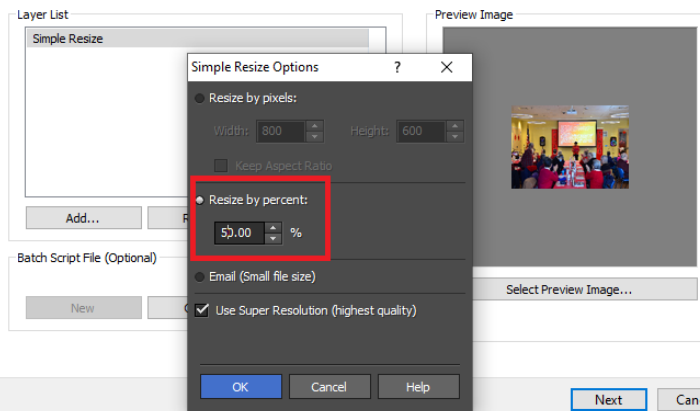
Step 1: Click on the Add File or Add Folder buttons to select files to process.



Next

Cancel

Step 2: Click Add to select the effects you want to apply to the files.



Next

Cancel