

EmplaceAV

User Manual

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Windows

Setting up Orion32

- 1) Install the Orion32 drivers from <https://support.antelopeaudio.com/support/solutions/articles/42000017482-orion32-download-section>
- 2) Plug the Orion32 to the computer through a USB connection
- 3) Open sound settings by right clicking on the speaker icon in the system tray and selecting "Sounds"

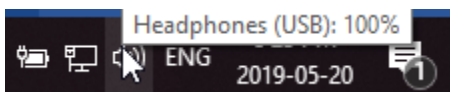


Figure 1 Speaker icon in system tray

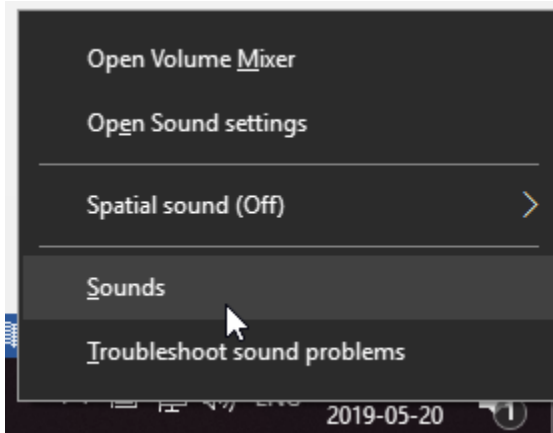


Figure 2 Right click speaker icon and select "Sounds"

- 4) In the sound settings, go to the "Playback" tab and make sure the Orion32 is selected as the default playback device

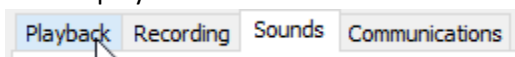


Figure 3 Select the "Playback" tab

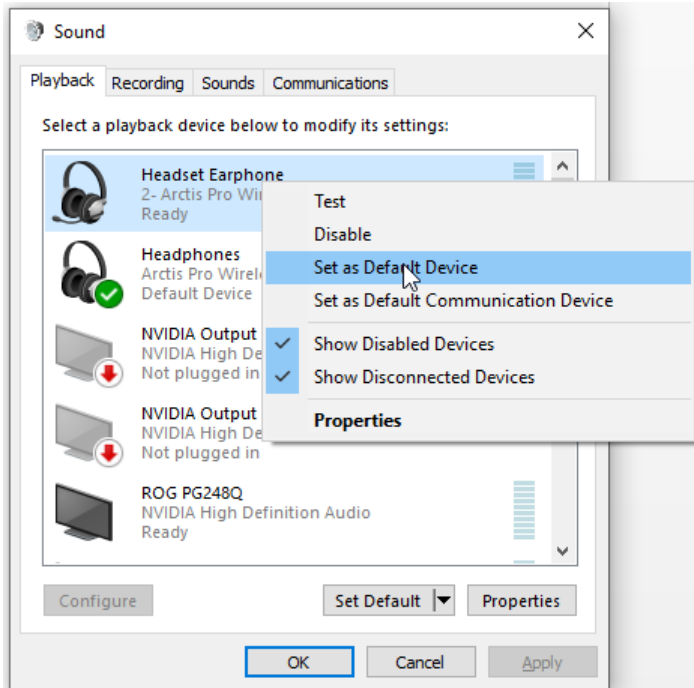


Figure 4 Set the Orion32 as default device

- 5) Right click the Orion32, go to properties, and go to the “Advanced” tab

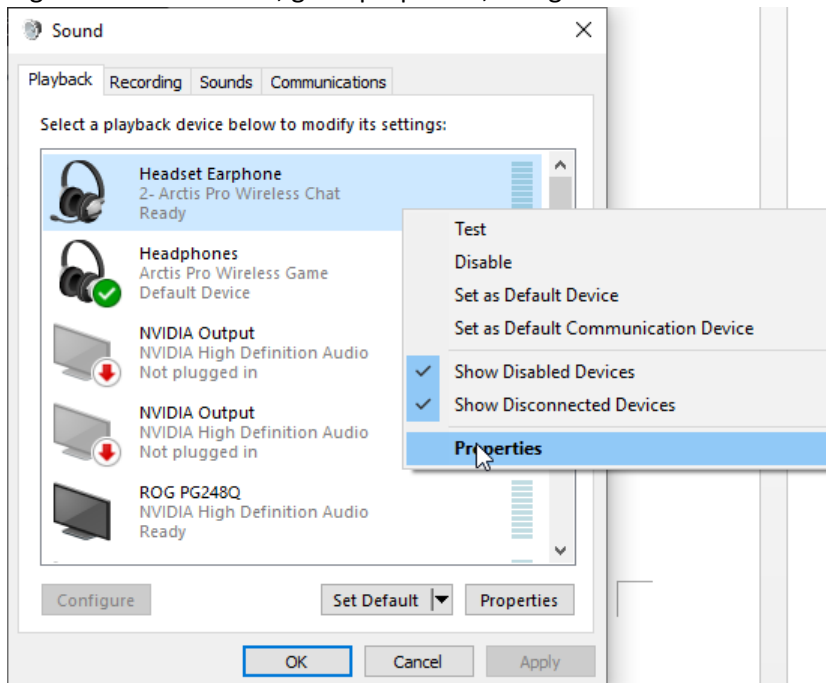


Figure 5 Go to properties of Orion32

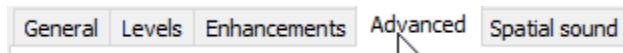


Figure 6 Select the "Advanced" tab

- 6) Select the default format to be 32 channels, 16 or 32 bits, and 44100 Hz, then hit apply

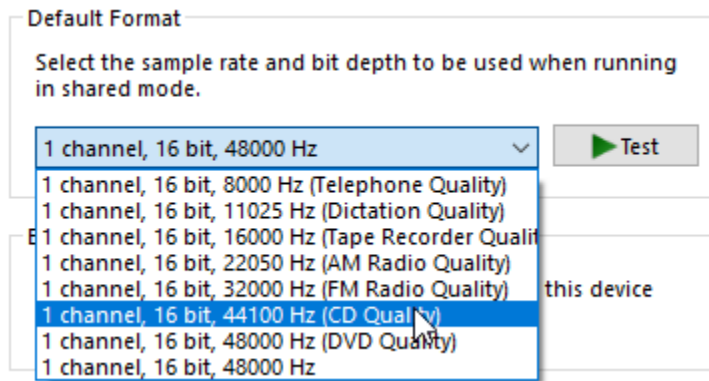


Figure 7 Select the correct format

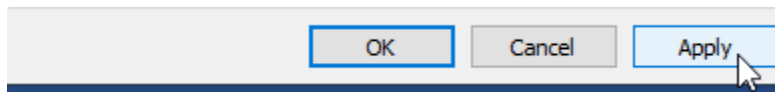


Figure 8 Make sure to apply the settings

Using EmplaceAV

- 1) Name the audio files 1.wav to 32.wav in order of which channel/speaker they're associated with, and name the video file video.mp4. Place all the media content inside the media folder

media	2019-05-19 1:49 AM	File folder	
avcodec-58.dll	2019-05-13 11:25 ...	Application extens...	44,994 KB
avdevice-58.dll	2019-05-13 11:25 ...	Application extens...	2,474 KB
avfilter-7.dll	2019-05-13 11:25 ...	Application extens...	7,427 KB
avformat-58.dll	2019-05-13 11:25 ...	Application extens...	6,488 KB
avutil-56.dll	2019-05-13 11:25 ...	Application extens...	645 KB
EmplaceAV.exe	2019-05-19 1:45 AM	Application	21 KB
font.ttf	2019-05-16 11:53 ...	TrueType font file	47 KB
libfreetype-6.dll	2019-05-16 11:53 ...	Application extens...	573 KB
libsndfile-1.dll	2019-05-13 11:25 ...	Application extens...	1,708 KB
portaudio_x64.dll	2019-05-13 11:25 ...	Application extens...	592 KB
postproc-55.dll	2019-05-13 11:25 ...	Application extens...	120 KB
SDL2.dll	2019-05-13 11:25 ...	Application extens...	1,301 KB
SDL2_ttf.dll	2019-05-16 11:53 ...	Application extens...	33 KB
swresample-3.dll	2019-05-13 11:25 ...	Application extens...	415 KB
swscale-5.dll	2019-05-13 11:25 ...	Application extens...	528 KB
zlib1.dll	2019-05-16 11:53 ...	Application extens...	106 KB

Figure 9 The media files go in the media folder in the root of the program

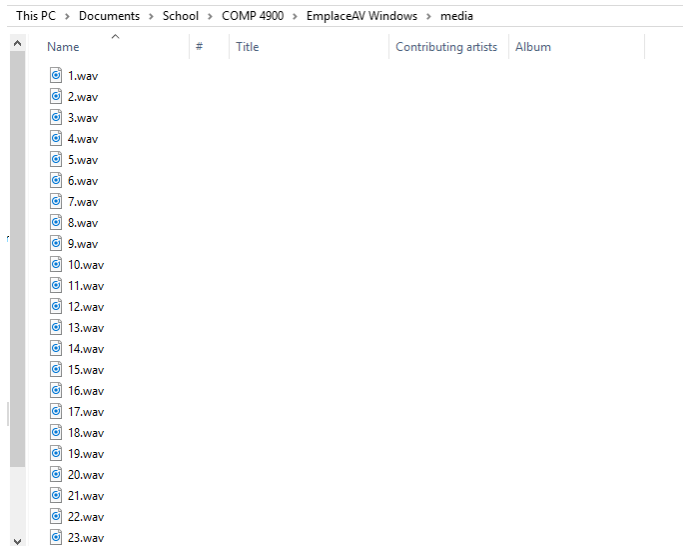


Figure 10 Correctly name the sound and video files

- 2) Open a new Terminal in the EmlaceAV.exe directory

NOTE: To enable a shortcut to opening a new Terminal in a current directory, follow the instructions in the following link: <https://lifehacker.com/launch-an-os-x-terminal-window-from-a-specific-folder-1466744>

- 3) Type this command to open the playback menu: ./EmlaceAV



Figure 11 The EmlaceAV playback menu

- a. Adjust the playback volume by clicking the plus(+) and minus(-) buttons
 - b. Drag the menu to whichever screen designated for video playback
 - c. Click the play button to start full screen playback
- 4) To close the application, click the x button for the console

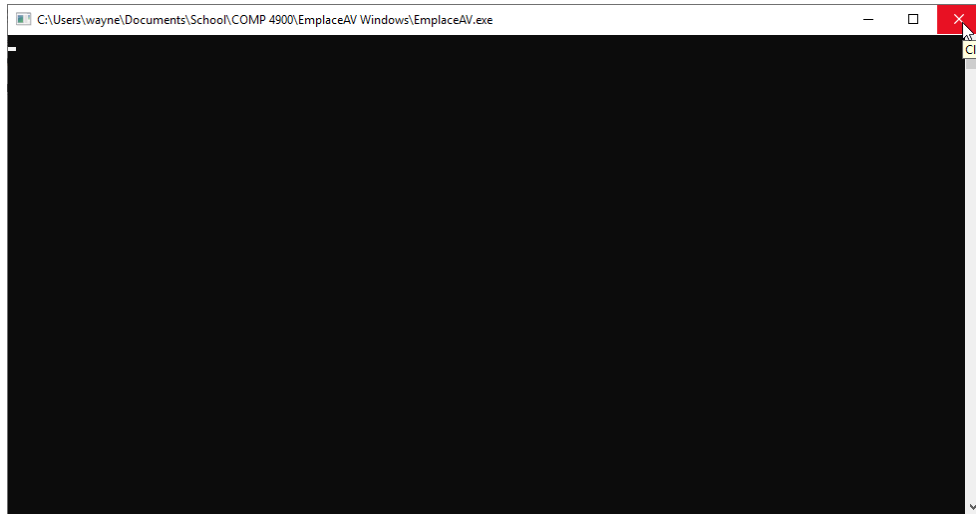


Figure 12 Click the x on the console to close the application

MacOS

Setting up Orion32

- 1) Install the Orion32 drivers from <https://support.antelopeaudio.com/support/solutions/articles/42000017482-orion32-download-section>
- 2) Plug the Orion32 to the computer through a USB connection
NOTE: A system restart may be required as the Orion32 may not be recognized on connection
- 3) Click on the speaker icon on the top right corner of screen
INSERT SCREENSHOT OF THE CLICKED ICON
- 4) Select the output device with a name containing 'Orion32'

Using EmplaceAV

- 1) Name the audio files 1.wav to 32.wav in order of which channel/speaker they're associated with, and name the video file video.mp4. Place all the media content inside the media folder

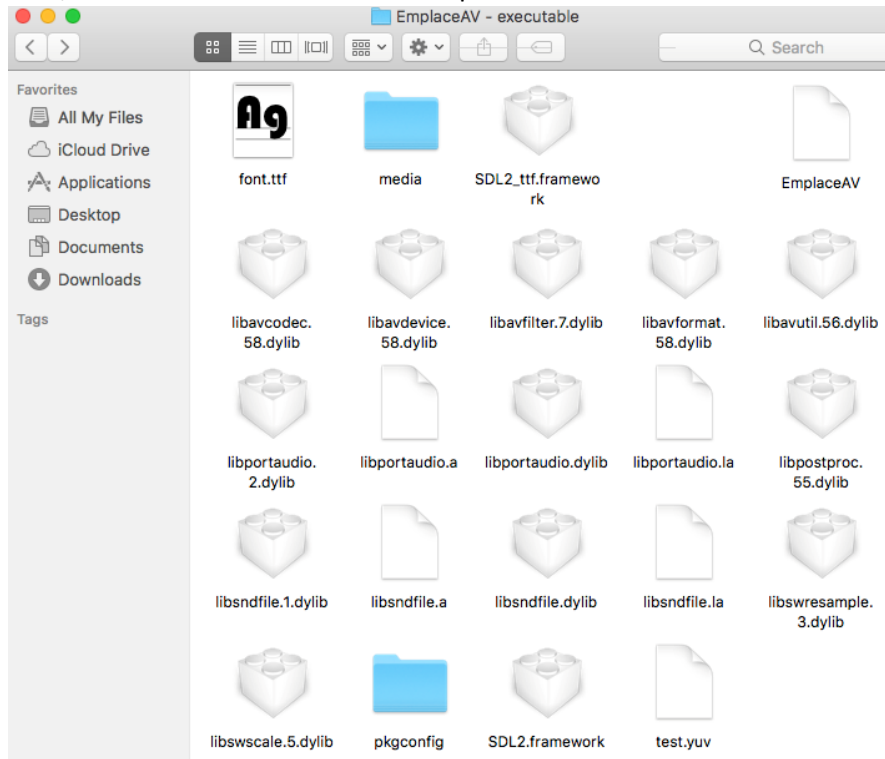


Figure 133 The EmplaceAV executable folder

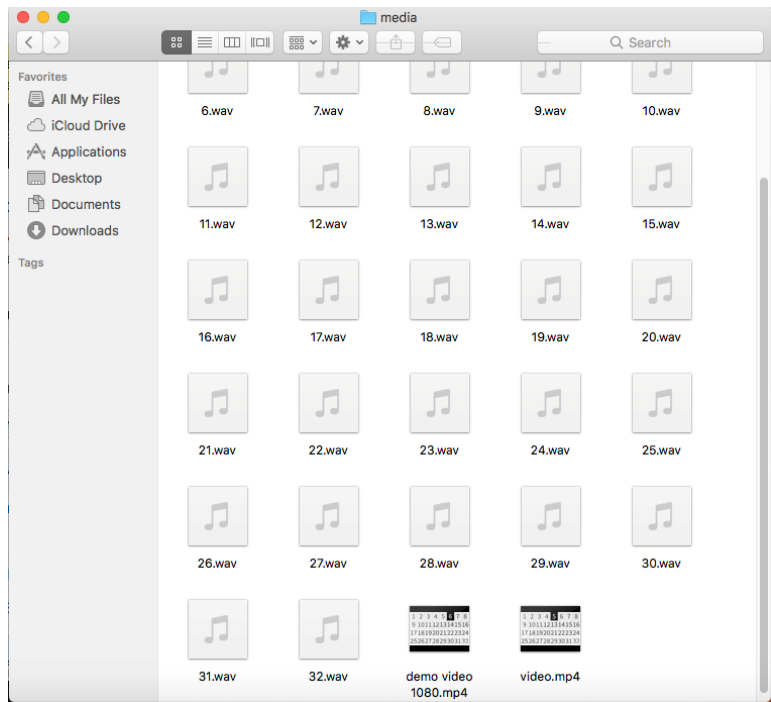


Figure 144 The EmplaceAV media directory

2) Double click EmlaceAV.exe to open the playback menu



Figure 15 The EmlaceAV playback menu

- a. Adjust the playback volume by clicking the plus(+) and minus(-) buttons
- b. Drag the menu to whichever screen designated for video playback
- c. Click the play button to start full screen playback

3) To close the application, click the x button for the console

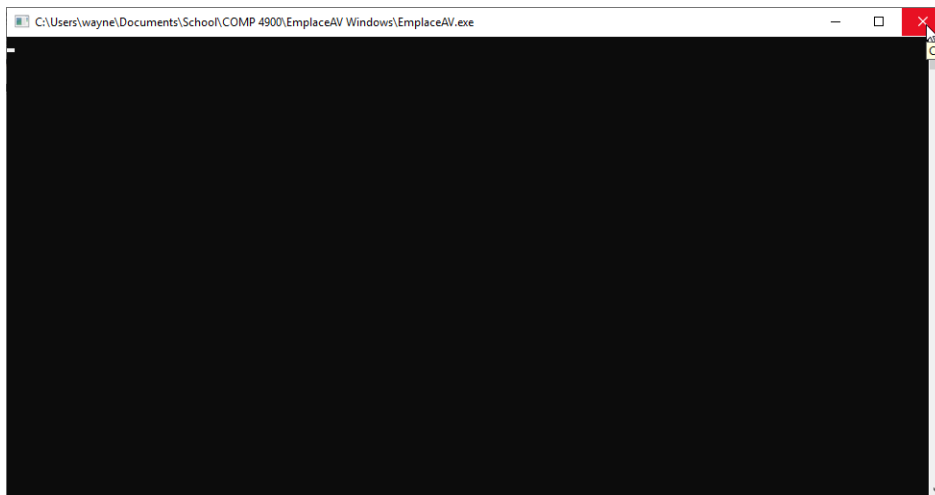


Figure 165 Click the x on the console to close the application

Usage Constraints and Limitations

Audio

- The wav files must be mono channel
- The wav files should be the same length. The audio will stop playing when the first audio file finishes playing, therefore, the shortest audio file should be at minimum longer than the video file
- The audio files need to have the same sample rate as the device, by default this is 44100 Hz

Video

- The video file can be any commonly used video formats. mov and mp4 formats are highly recommended for usage.

Windows

- The device needs to be configured to have the same sample rate as the audio or else there will be no sound, by default this is 44100 Hz
- There are some devices that have issues with connecting to the Orion32 over USB. If connecting the Orion32 gives you a resource error, please contact the manufacturer or look up possible solutions as this is an issues between the device and the USB controller

MacOS

- The Orion32 device may not be detected by the Mac machine. If the device is not present in the list of output devices in “Sound Configuration”, make sure the device is connected, and restart your machine.