

## Internet Lesson Protocols

There is a good reason for using Zoom instead of Skype...Zoom has a “High Fidelity Music Protocol” that is much better than Skype as long as you are running version 5.2.2 (45106.0831) or later. Make sure to put the actual application on your computer. I will email you a meeting invitation on the dot of your lesson start time.

### Laptop Only, please!

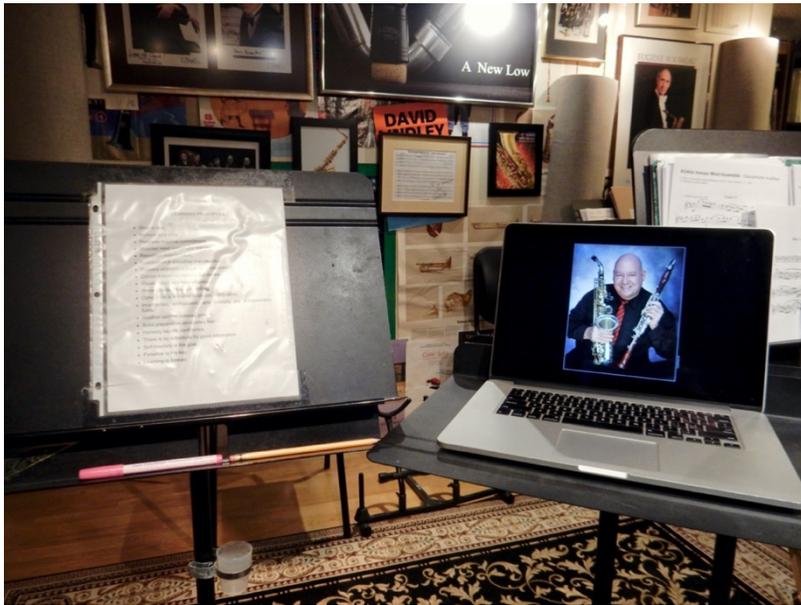
- If you do not have one available, you can use a tablet or smartphone, but the Video and Audio will be compromised.
- Make sure you are on wi-fi or an ethernet cable for best quality and cost. Make sure no-one else in the house is streaming hi-def or playing online games.... the bandwidth will be severely compromised. If necessary, have your service provider visit and check your wiring, modem and MBPS speed. You can check your speed yourself by typing *fast.com* into your search engine. I did all of this and went from 40 MPBS to 180 MBPS.
- Make sure you are plugged in! Zoom drains batteries quickly.
- Put your all your communications devices on DO NOT DISTURB. No interruptions please!
- Make sure you are well lit, and from the front or side, not the back.
- Do **NOT** use earbuds or air pods.... speaker sound will be much better. However, if you have high quality headphones that can be even better than good speakers.
- Use the little video of yourself in the upper center of your laptop to set your screen angle to show your face and entire instrument so I can then see your embouchure **and** your fingers.
- *Set up your laptop about 4-5 feet away from you so the sound is not oversaturated, and then you will have to lean forward towards it to speak as your voice volume is so much lower than your instrument volume.*

### Physical Setup: In a quiet, private environment!!

We want to duplicate the normal feeling of a physical lesson where I sit directly to the student's right. The picture below shows my setup in a 180° panoramic view. All of this gear is in a full semi-circle around me from student music and reeds to my direct left, my computer at a 45° angle, the music we are working on straight in front of me, instruments to the right of the stand all the way to my audio gear to my direct right.



You should be set up as a mirror image to me with your music directly in front of you on a music stand and your computer at a 45° angle to your right. You can see me to the right of you on “your computer” in the picture below.



**Audio Setup:** If you want the very best results for your lessons, the following minimal investment in your practice space will really pay off! The mic and speakers of your laptop are not hi-fidelity!

- **To improve the outgoing sound:**

**Audio-Technica AT2020USB Deluxe USB Cardioid Condenser Microphone** into MacBook Pro USB port. Also works fine with PC's running Windows. Under \$300 on Amazon, ranked equal to \$1000 mics by reviewers in professional audio magazines and websites!



- **To improve the incoming sound:**

**AudioQuest Dragonfly Cobalt Digital Analog Converter/Amplifier** from USB output into minijack out to external amplifier and speakers or directly into headphones. There are two less expensive models, the mid-priced Red and the lowest-priced Black. All are

excellent and you can connect them directly to desktop computer speakers without amplifiers. Readily available from Amazon and they have a great warrantee. This will also improve your music listening experience dramatically on phone, tablet or laptop.



### **Good Value Speakers:**

**Bose Companion 20** speakers are very inexpensive and good quality and connect directly to your computer without a separate amplifier (except you should use a Dragonfly DAC USB plug!)



**The following are better but require a receiver or integrated amplifier.**

**Bose 161™ speaker system**



**Even better! Bose 201 or 301 Direct/Reflecting Speaker System**



**Pretty hard to beat the Sony Stereo Receiver STR-DH130 for value.**



**Headphones** can prevent hearing an echo back from your speakers through your microphone to the other party. Wear them with one earphone on and one off, so you can hear your own sound with one ear, and sound from the other party with your other ear.

**Do not purchase Beats Headphones!** They are a marketing company, not an audio company. And do not use bluetooth, wired headphones are always better.

**Here are some better choices, incredible value.**

**Sennheiser HD 280 Pro**



**Audio Technica ATH M50X**

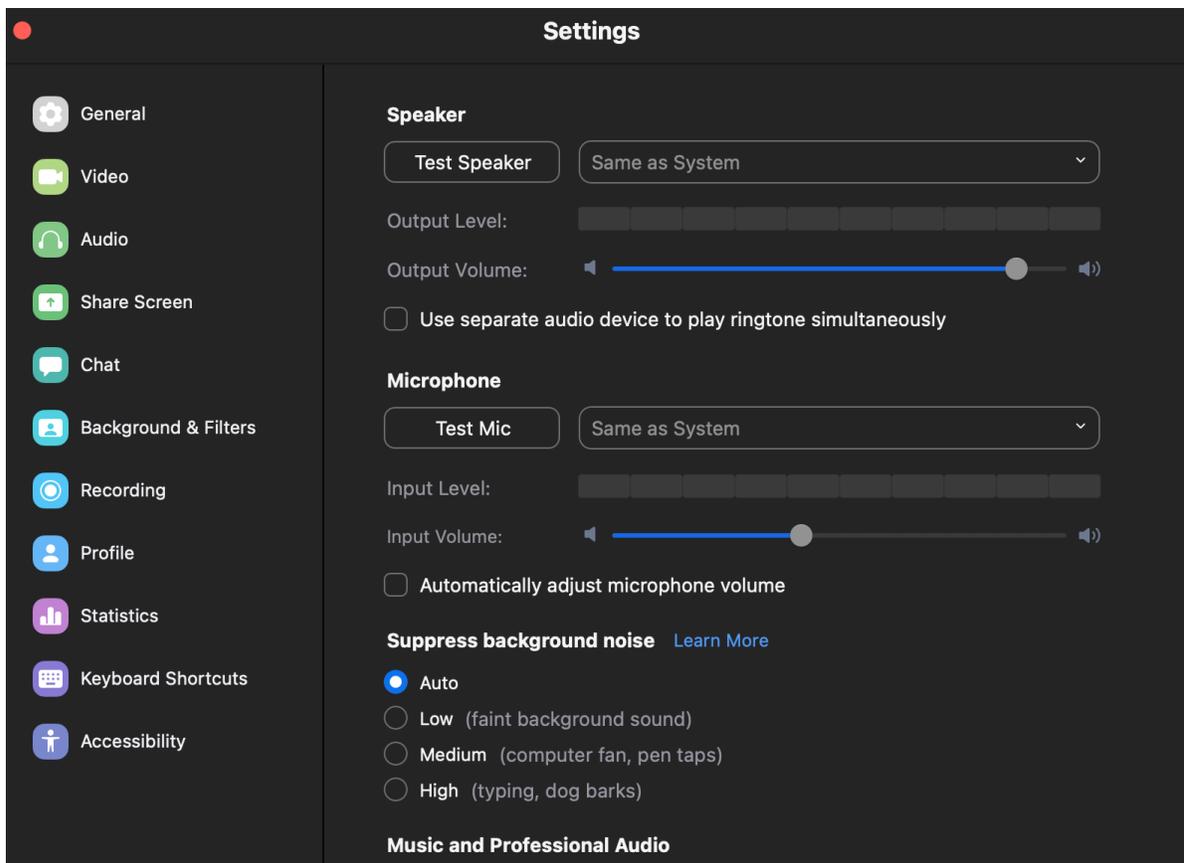


## HiFiMan HE400i

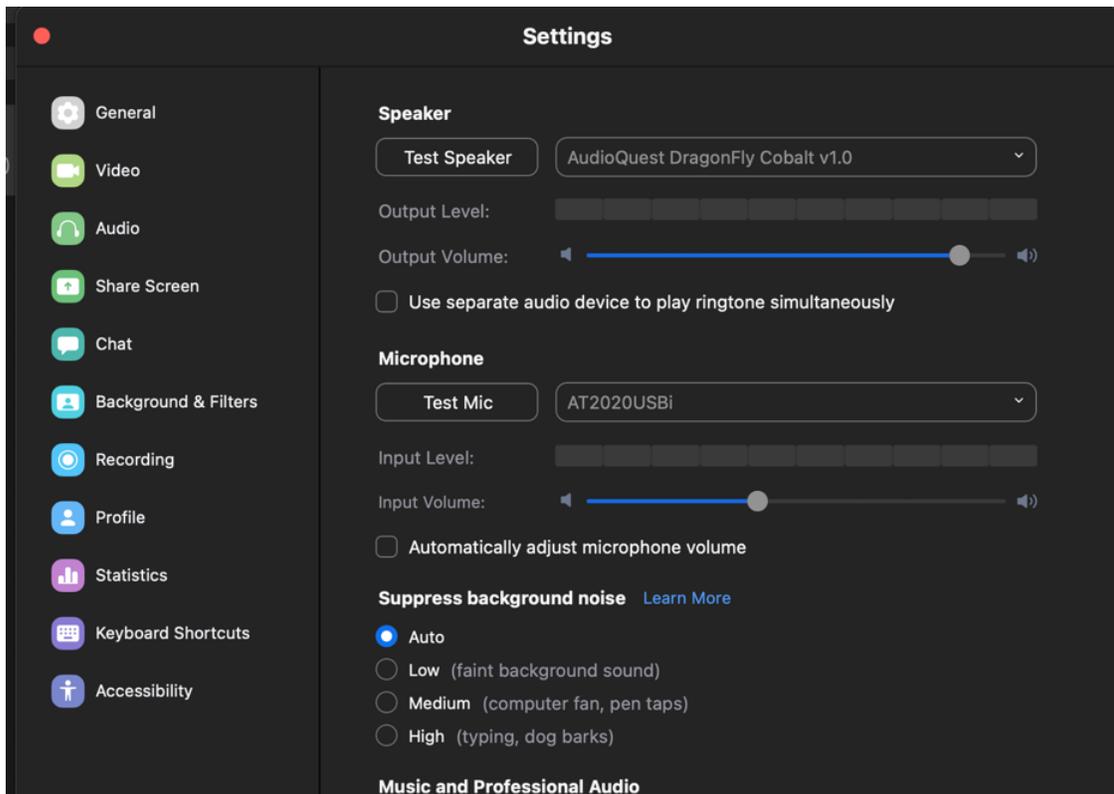


### Setting Up Audio/Video on Zoom:

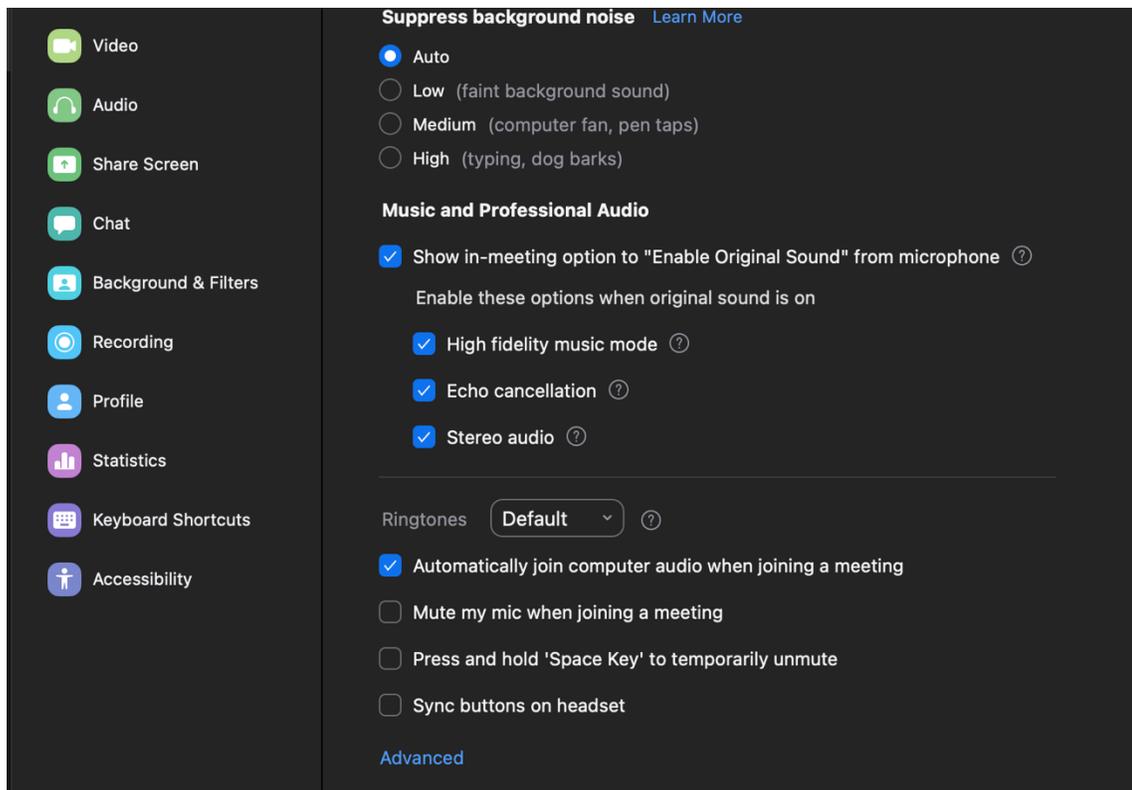
- Open the Zoom App. Always update the Zoom App every time.
- Click on Preferences, then on Audio.
- Disable the automatic settings for microphone and speakers.
- Adjust the output volume to 9 and the input volume to 4 using the blue buttons on the sliding scale.
- Set Suppress background noise to auto.



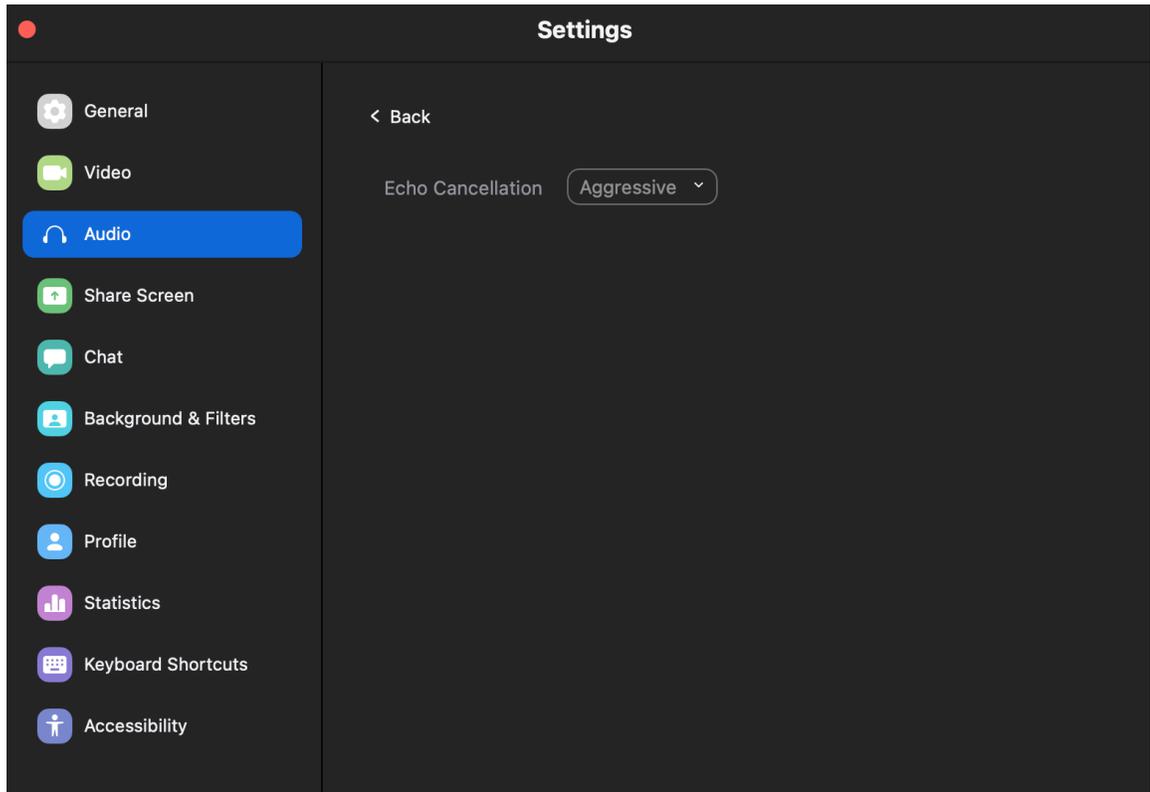
## Choose the correct speaker and mic if you are using externals



## Here are the settings for the bottom half of the settings screen.



Click “Advanced” and set echo cancellation to Aggressive on the next page.



When you go back to the Zoom screen that shows the other party, make **SURE** that on the top left corner of your screen during meetings you see “**Turn off original sound.**” That means you are getting “original sound” from your mic instead of sound that is processed for meetings, and you will be able to enable High Fidelity Music Mode. **If it says, “Turn on original sound,” click on it to do so!** You can see it in the screenshot below. That button on the top left corner must be clicked!



## Your Music

- I cannot see your music! You must send me a list the day before of everything we are going to look at, so I have it handy.
- I will only have copies of technique, etudes, solo or chamber pieces that I have given you! So, if you are working on technique, etudes, solo pieces, chamber pieces or ensemble repertoire from elsewhere, like your school or an advanced ensemble, you **MUST** scan it (**NOT photograph it!**) and send it to me the day before the lesson at latest! I will print it and put it in a folder for internet teaching with your name on it. Please do this **AT LEAST** a day before the lesson.
- **NB regarding music you send: NO PHOTOS!!** Scan the music on your printer or use a phone app for scanning. Scan at 600 DPI. Scan each piece of music so that if multiple pages are in one piece it is one file. Open the scan and crop it tightly to the music, so that when I print it to fit the music is large and readable. If you wish to use your phone, Adobe Scan is by far the best app. 90% of the photos I receive are totally illegible. See last page for an example.
- Number your bars! You don't have to number every bar, but number the 1<sup>st</sup> bar of every line...do that before you scan and send it to me. I cannot point at where I want you to start when I am not in the room with you!

## Other

- The student must have a pencil for making notes on the music and must take notes to review the important parts of the lesson and what you are going to focus on for the next lesson.
- Sit in a firm upright chair, like a kitchen chair, no chairs with soft seats that allow slouching or poor posture.
- Students must have their metronome handy and use it all the time!

The above points should not be necessary!

All good musicians should have good posture and these items to hand all the time!

## Payment

- Via Interac Transfer same day as lesson just for one lesson. I prefer that to being paid ahead and certainly being paid after a few weeks. This way there is nothing to keep track of.
- You can easily set this up with your bank.
- Pay to reedguy@telus.net on your computer. My account is automated so you will not need a password, but your bank site might take you to a screen for that. You just have to keep clicking through the screens, usually only the first time.
- Please do not use your phone, as that gives me no information as to who has paid!

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Example of music photographed and sent to me.

From the Television Series

# THE MUPPET SHOW THEME

PART 1  
B $\flat$  Clarinet/B $\flat$  Trumpet

Words and Music by  
JIM HENSON and SAM POTTLE  
Arranged by PAUL MURTHA

Showy Swing (♩ - ♩)

© 1976 Peppy Muppet Songs  
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Here is a good scan. Make sure there are no shadows, and your fingers are not featured on the music! Make sure you scan just one page at a time, not two open pages.

Au Quatuor d'Anches Français.  
Messieurs Y. Pruède, J. Niopel, P. Pareille, A. Blandinière.

# LES TROIS MOUSQUETAIRES

OUVRAGE PROTÉGÉ  
PHOTOCOPIE INTERDITE  
Même partielle  
(Loi du 11 Mars 1957)  
constituerait contrefaçon  
(Code Pénal, Art. 423)

Divertissement

pour Hautbois, Clarinette Sib, Saxophone Alto ou 2<sup>e</sup> Clarinette Sib et Basson.

SAXO-ALTO mib

I

Pierre-Max DUBOIS

Lentement (Recitativo)

The musical score for Saxo-Alto mib consists of eight staves of music. The first staff begins with a treble clef, a key signature of one sharp (F#), and a 3/4 time signature. The tempo is marked 'Lentement (Recitativo)'. The first measure is a whole rest, followed by a half note G4. The second measure contains a half note A4, marked with a circled '1'. The third measure contains a half note B4, marked with a circled '2'. The fourth measure contains a half note C5, marked with a circled '3'. The fifth measure contains a half note D5, marked with a circled '4'. The sixth measure contains a half note E5, marked with a circled '5' and the word 'Tempo'. The seventh measure contains a half note F5, marked with a circled '6'. The eighth measure contains a half note G5, marked with a circled '7'. The final staff begins with a treble clef, a key signature of one sharp (F#), and a 3/4 time signature. The tempo is marked 'Plus lent'. The first measure is a whole rest, followed by a half note G4, marked with a circled '8'. The second measure contains a half note A4, marked with '(rit.)'. The third measure contains a half note B4, marked with 'pp'. The fourth measure contains a half note C5. The fifth measure contains a half note D5. The sixth measure contains a half note E5. The seventh measure contains a half note F5. The eighth measure contains a half note G5. The score includes various dynamics such as *pp*, *p*, *mf*, and *pp*, and articulation marks like slurs and accents.