

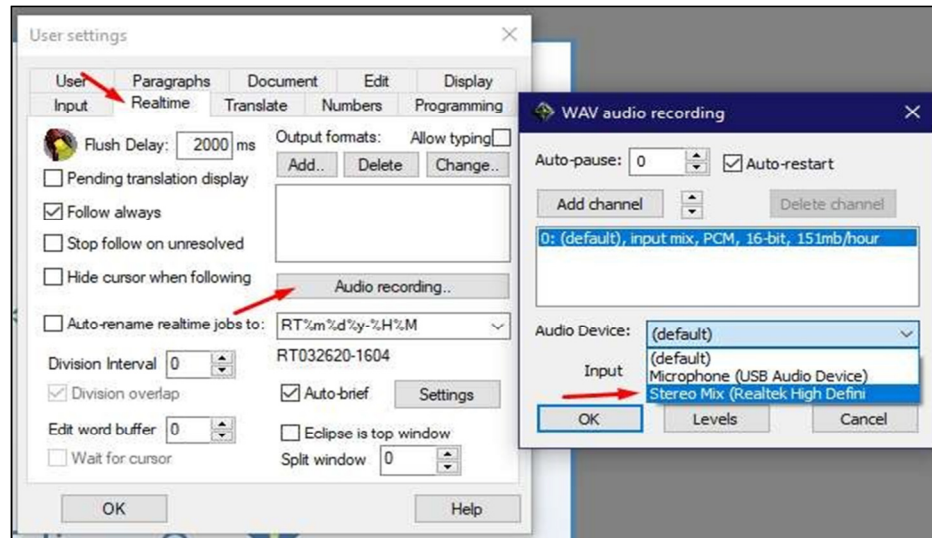


Eclipse Audio Setup for Zoom

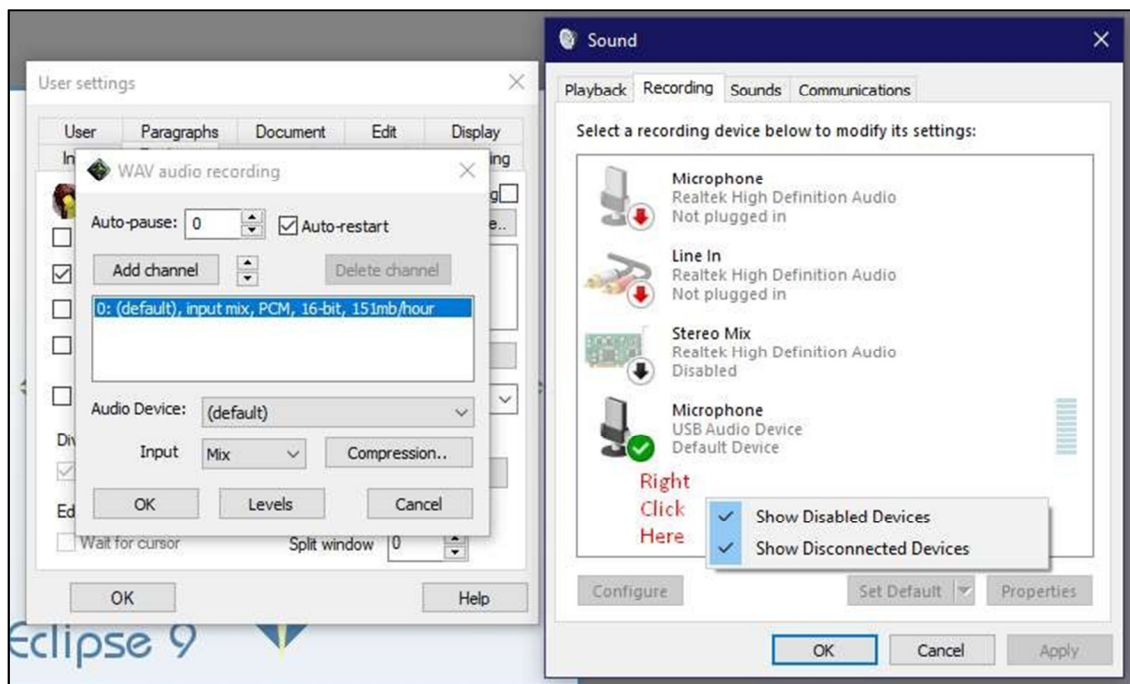
Use Stereo Mix or Voicemeeter to record your Zoom audio directly into Eclipse. Stereo Mix (or Voicemeeter) is different in that it allows you to record anything that is streaming through your computer rather than setting up an actual microphone.

Audio Setup with Stereo Mix:

- In Eclipse Open User Settings > Go to the Realtime Tab > Click Audio Recording > Click the dropdown menu next to Audio Device and select Stereo Mix.

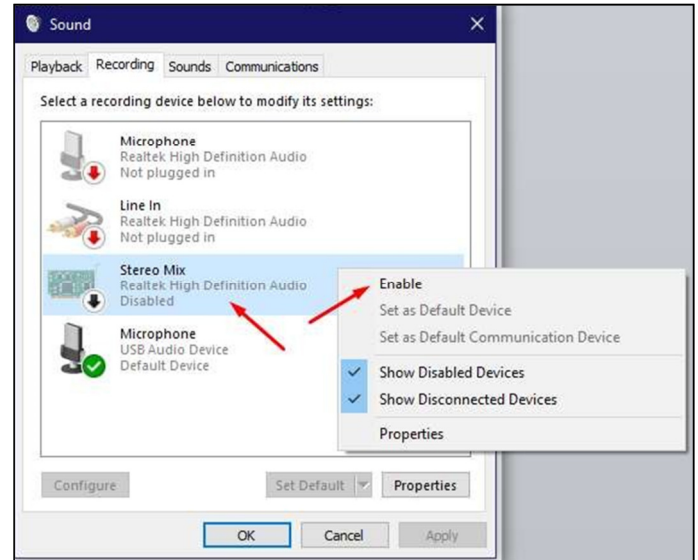


- If Stereo Mix is not an option, click on Levels. This will open the Sound box in Windows.
- Go to the Recording Tab > Right Click within the box and ensure that Show Disabled and Show Disconnected is checked.





- Right Click on Stereo Mix and Click Enable. Do not actually set Stereo Mix as the default device.
- Go to the Playback Tab. Right click on your Realtek Speaker and set it as the default playback device
- Go back to Eclipse and set Stereo Mix as the recording device.
- **Stereo Mix will not record your voice.** You will need to add a 2nd channel in Eclipse for your voice only. You can do this by opening the User Settings, Go to the Realtime Tab, click on Audio Recording, click add channel, then select your physical microphone.
- Make sure the compression for all channels is the same.



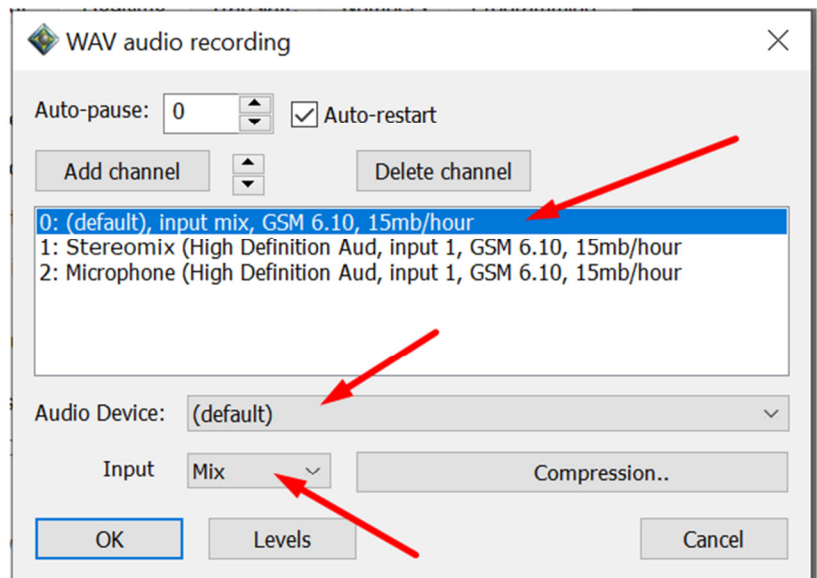
Recommended Compression:

- Realtiming for yourself – PCM 22050 khz 16bit mono
- Working with a Scopist over connection magic – GSM 22050 khz mono

Working with a Scopist over Connection Magic?

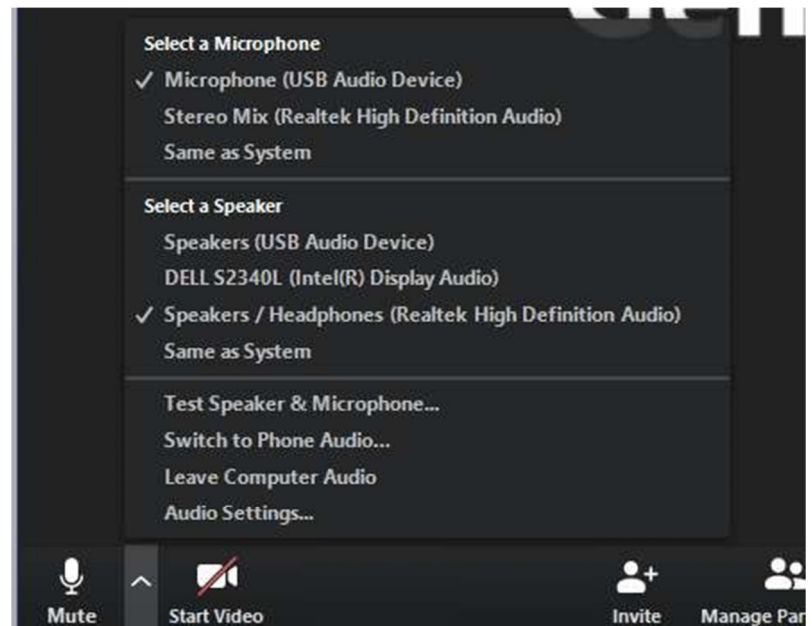
You may want to use a Mix channel for your scopist **(must have version 9 or higher)**. Eclipse only sends the first channel so you'll want that channel to have all the audio (audio from Zoom/Skype/Webex/etc "Stereo Mix". and audio from your voice "Internal Microphone")

- Start by creating 3 channels:
- Open User Settings > Go to the Realtime Tab > Click Audio Recording > Click add channel until you have 3 channels listed. (0, 1, 2)
- Set channel 0 to default. Click on input and set it to mix
- Set channel 1 to Stereo Mix, input stays set to 1
- Set channel 2 to your Internal Microphone, input stays set to 1
- Make sure all compression sizes are the same.





- In the Zoom meeting controls (bottom left corner of the active Zoom meeting), click the arrow next to Mute/Unmute.
- Make sure your Microphone is set to the actual physical device you are using such as your Andrea Mic or your Sampson Go (for example)
- Set the Speakers to the Realtek or Conexant Speakers. (Stereo Mix is dependent upon Realtek or Conexant)



If Stereo Mix still doesn't show under the Recording Tab in Windows Sound box, it may not be available on your computer and you will need to install Voicemeeter.

Using Stereo Mix in Eclipse on some older computers may conflict with Zoom audio once a Realtime is started. Zoom may give an error message that your speaker is not working.

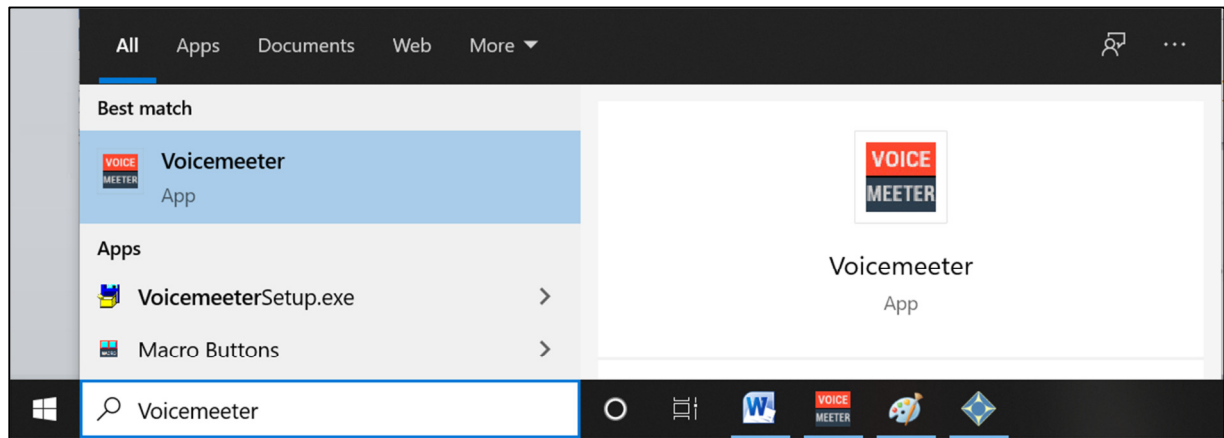
Reminder: If you use Stereo Mix, Eclipse will not record outside sounds nor record your voice. It will only record audio that is streaming through your computer such as audio from a Zoom meeting, or Youtube, or any other app that is playing audio. If you need to record outside audio you can do so by adding an additional recording channel in Eclipse and set the recording device to your physical Microphone.



Audio Setup with Voicemeeter:

Voicemeeter is a free alternative to Stereo Mix. Here's how to set it up:

- First, download Voicemeeter. Here is a direct link: https://download.vb-audio.com/Download_CABLE/VoicemeeterSetup.exe
- As soon as you save it, run the installer. Upon full installation, you'll be prompted to reboot. **You must reboot before continuing**
- Open the Voicemeeter App on your computer. Use the Windows Search bar to open it.

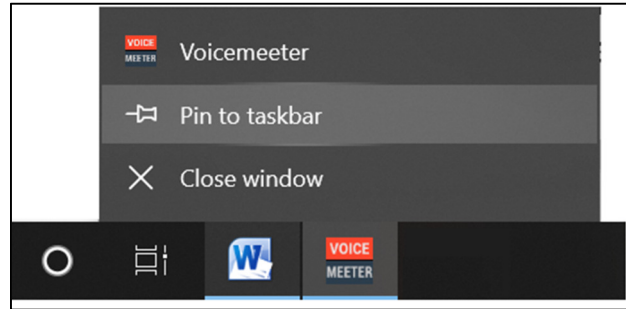


- Here's what it looks like.

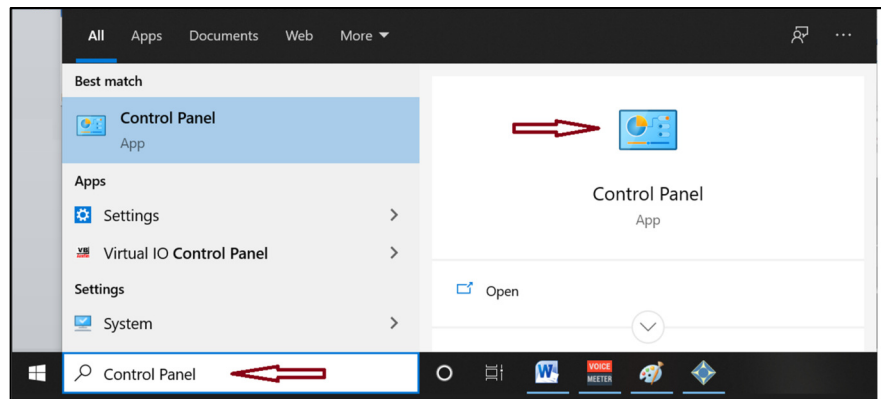


Creating Shortcuts:

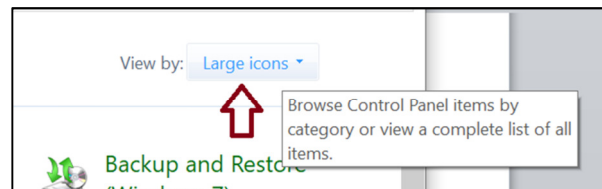
- Once Voicemeeter is open, it is recommended that you pin it to your taskbar. Right click on the Voicemeeter icon in the taskbar and click Pin to taskbar.



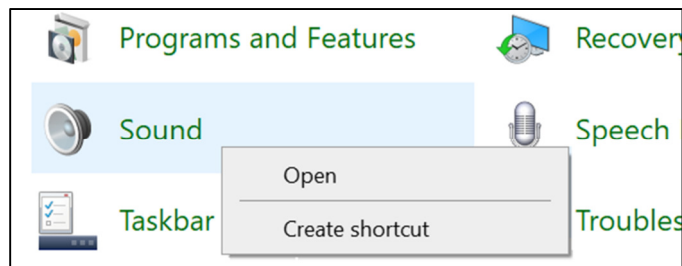
- You will also want a shortcut to Windows Sound on your Desktop. Use the Windows search box to open Control Panel.



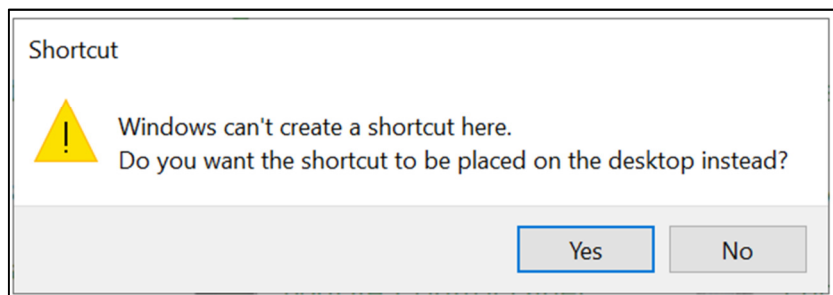
- Change the View by: to Large icons (Top right corner)



- Right click on Sound and click Create shortcut.

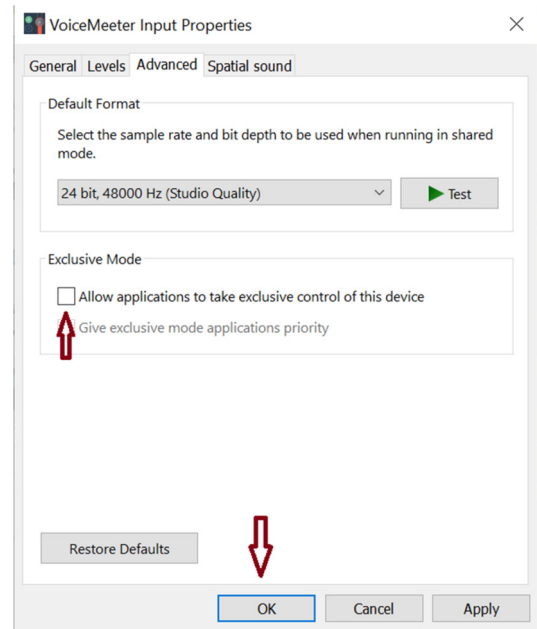
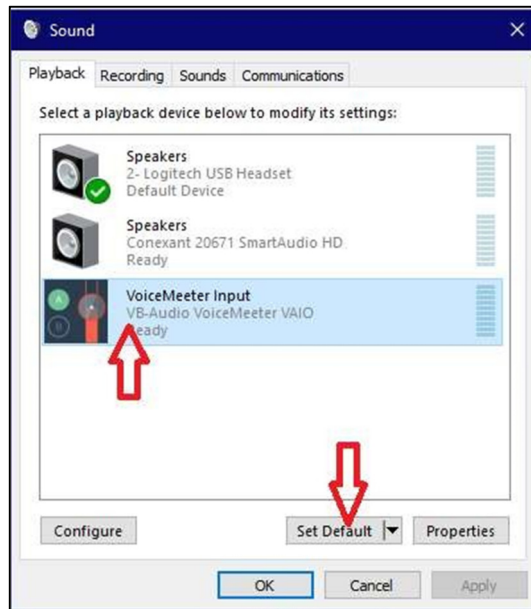


- Click Yes to put the shortcut on the desktop.

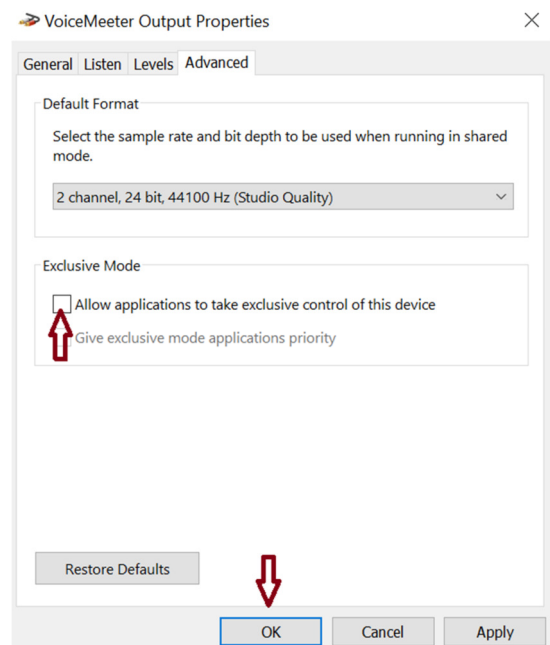
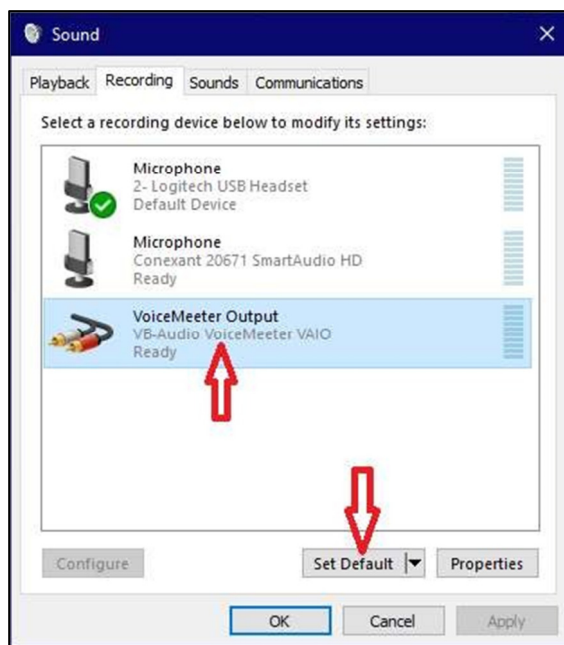


Step 1 - Sound Settings:

- Open Sound settings. Go to the Playback Tab > Click on “VoiceMeeter Input” and Click “Set Default”. It should now have a green check mark.
- With VoiceMeeter Input still highlighted, click on Properties in the bottom right, go to the Advanced Tab, uncheck “Allow applications to take exclusive control of this device” Click ok.



- Next Click on the Recording Tab > Click on “VoiceMeeter Output” and Click “Set Default”.
- With VoiceMeeter Output still highlighted, click on Properties in the bottom right, go to the Advanced Tab, uncheck “Allow applications to take exclusive control of this device” Click ok.





Step 2 - Voicemeeter Settings:

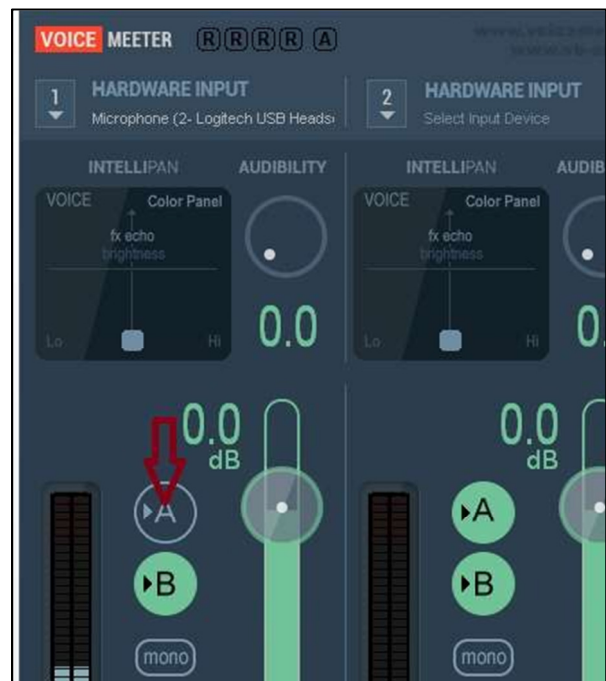
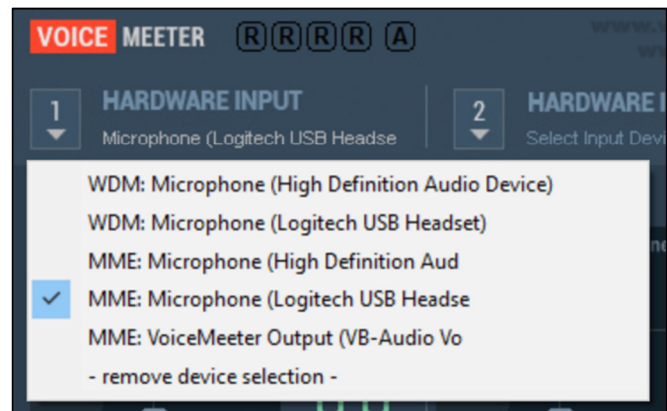
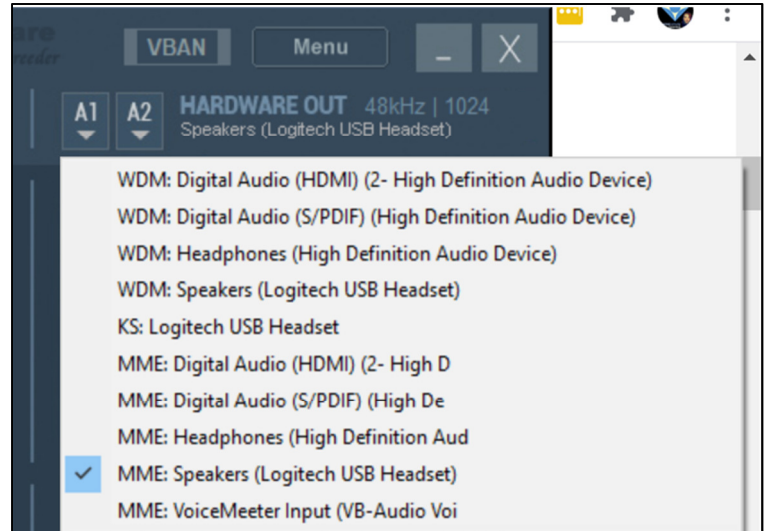
- Open Voicemeeter (icon should be on taskbar) Click on “Hardware Output A1” (top right corner) and choose “MME:*your physical speakers*^o”. This could be either your speakers on your computer or a USB headset.

*Note** It is **HIGHLY RECOMMENDED** that you use headphones when using Voicemeeter, otherwise your recording may be garbled.*

- Click on “Hardware Input 1” (top left) and choose “MME:*your physical microphone*^o” This can be either your USB Mic or your onboard Mic.

*Note** These screenshots were taken from my computer. Your mic and speaker options may be different.*

- Under Hardware Input deselect “A” (green circle) This will make it so your voice will be heard through Zoom and recorded in Eclipse, but you should not hear yourself over your headphones as you speak.



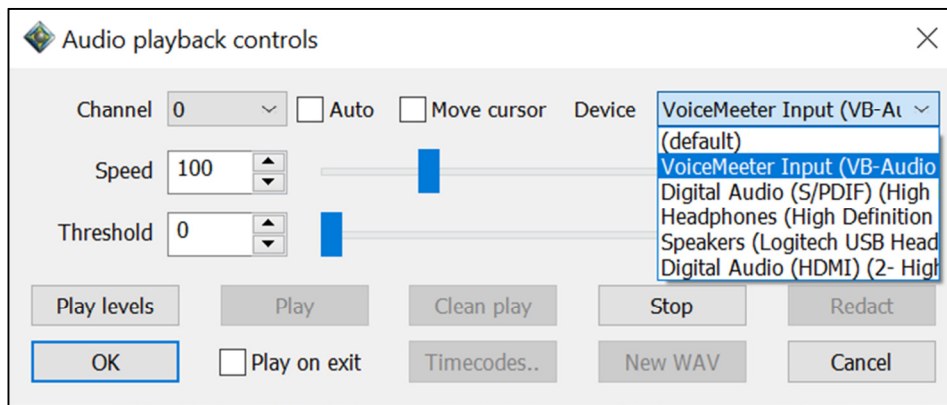


Step 3 - Eclipse Settings:

- Open Eclipse. Open User Settings > Go to the Realtime Tab > Click Audio Recording > Click the dropdown menu next to Audio Device and select Voicemeeter Output.



- Go to Edit Tab > Click on Audio Playback > Choose Voicemeeter as the Device.



The Voicemeeter settings above will let you record your voice in Eclipse with no problem. No additional channels need to be setup.

You will want to test these settings by opening YouTube and playing anything. Start a Realtime in Eclipse, record a little, and then test the playback.



Step 4 - Zoom Settings:

- In the Zoom meeting controls (bottom left corner of the active Zoom meeting), click the arrow next to Mute/Unmute.
- Under Select a Microphone, choose VoiceMeeter.
- Under Select a Speaker choose VoiceMeeter



**** NOTE ****

For other web meeting apps such as Skype, Ring Central, Web Ex, Microsoft Teams, etc. you will need to look for Settings or a Gear icon, then go to the audio settings for that app and select Voicemeeter as your Microphone and Speakers.

If you cannot find Settings, it is likely that the audio in these apps are set to default. As long as Windows Sound settings are set to Voicemeeter (refer to Sound Settings on page 5) then you do not need to make changes to the Web meeting app and it can be left on default.

Voicemeeter is a great alternative and has been tested on an old Windows 7 (formerly Vista) computer with limited resources (32-bit Operating System and 2 Gb of Memory installed) and still comes through fairly cleanly.



Audio Setup for Multiple Devices:

If you are connecting to your Web meeting from a different device (not on your Eclipse computer) such as a cell phone, iPad/Tablet, or another computer, you will need additional equipment:

Equipment checklist:

- Headphones (3.5mm jack)
- Microphone (3.5mm jack)
- Patch cables\Aux cords (3.5mm male to male ends)
- Headphones Splitter (allows for 2 sets of headphones to connect)
- Mic/Headphone Splitter (allows for a microphone and headphones to connect)
- USB Sound cards

*Note** Newer iPhones and iPads require an adapter*

iPhone/iPad adapter cable



Headphones 3.5mm



Microphone 3.5mm



Patch cable/Aux Cord 3.5mm



Headphone Splitter 3.5mm



Headphone/Microphone Splitter 3.5mm



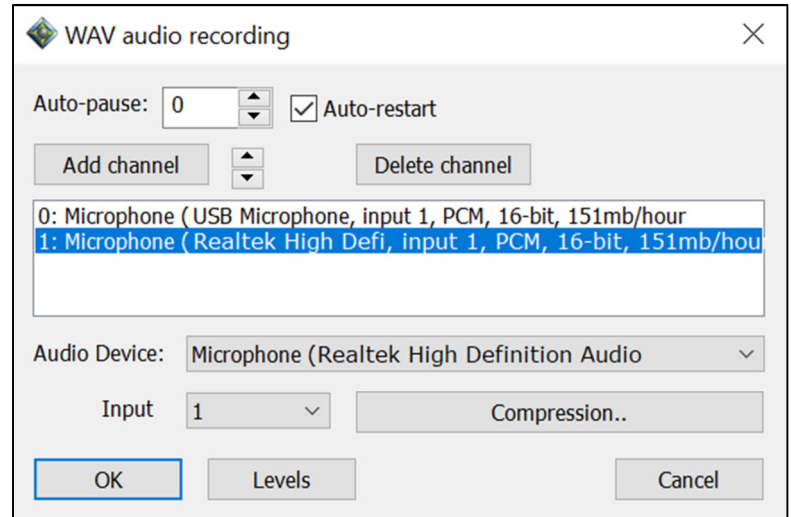
USB Sound Card



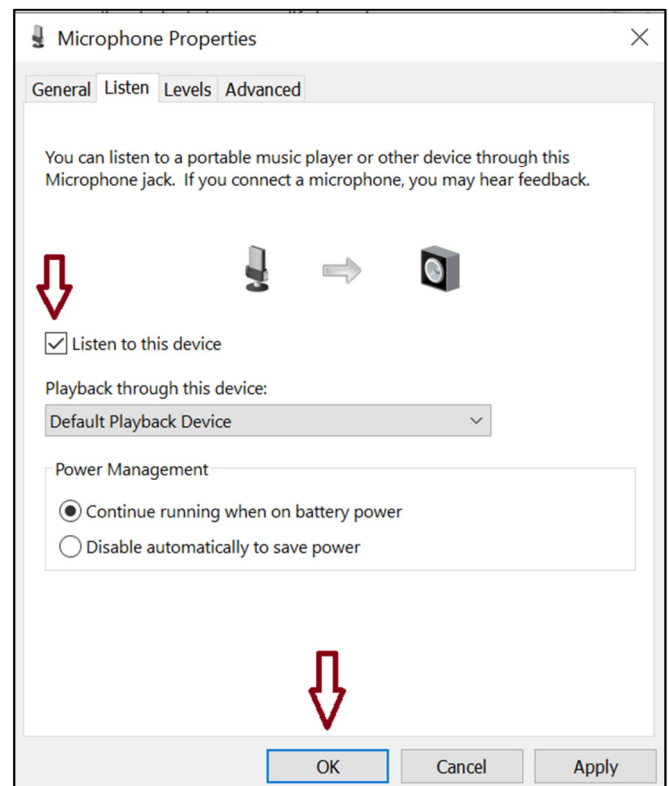
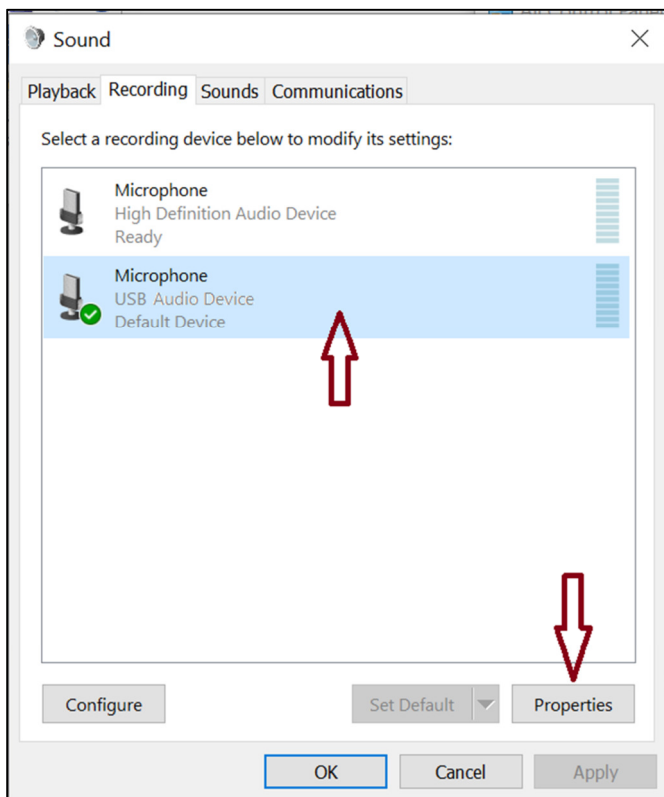


Use the Diagrams on the following pages to connect the cables between your devices. You will need to have at least 2 recording channels set in Eclipse. The first channel will only record the Web meeting and will not have your voice. The 2nd channel will record your voice and any room audio. (You can setup a 3rd optional Mix channel if you have version 9 or higher. See instructions for working with a Scopist on next page)

- In Eclipse open User Settings > Go to Realtime Tab > Click on Audio Recording
- Set the first channel to your USB Microphone. (In v9, the first channel is 0, in v7 and v8 the first channel is 1)
- Highlight the top channel, then click the dropdown next to Audio Device and select the USB Microphone.
- Click Add channel to add a 2nd microphone. Set the 2nd channel to your internal Microphone.



- Next, click on Levels, this will open the Windows Sound Properties.
- Go to the Recording Tab > Highlight your USB Microphone > Click on Properties at the bottom right.
- Go to the Listen tab and check the box next to listen.

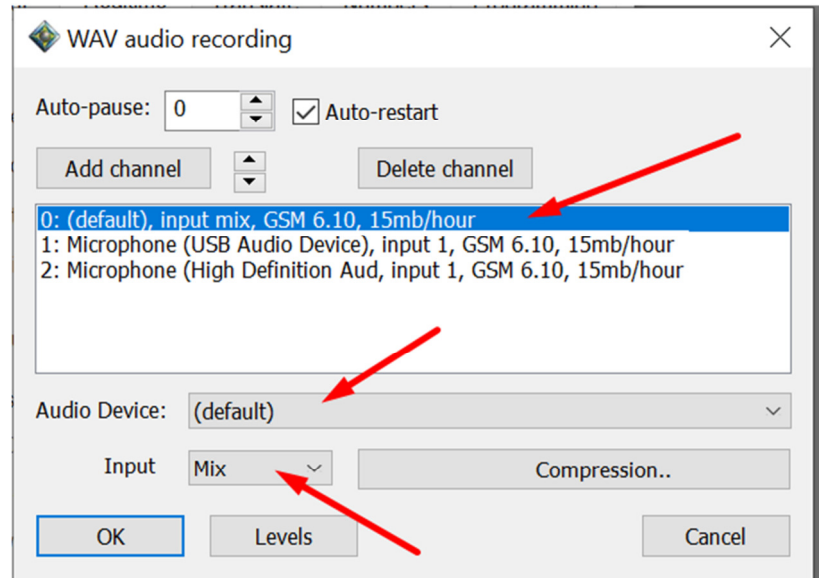




Working with a Scopist over Connection Magic?

You may want to use a Mix channel for your scopist (must have version 9 or higher). Eclipse only sends the first channel so you'll want that channel to have all the audio (audio from Zoom/Skype/Webex/etc "Microphone USB Sound Card". and audio from your voice "Internal Microphone")

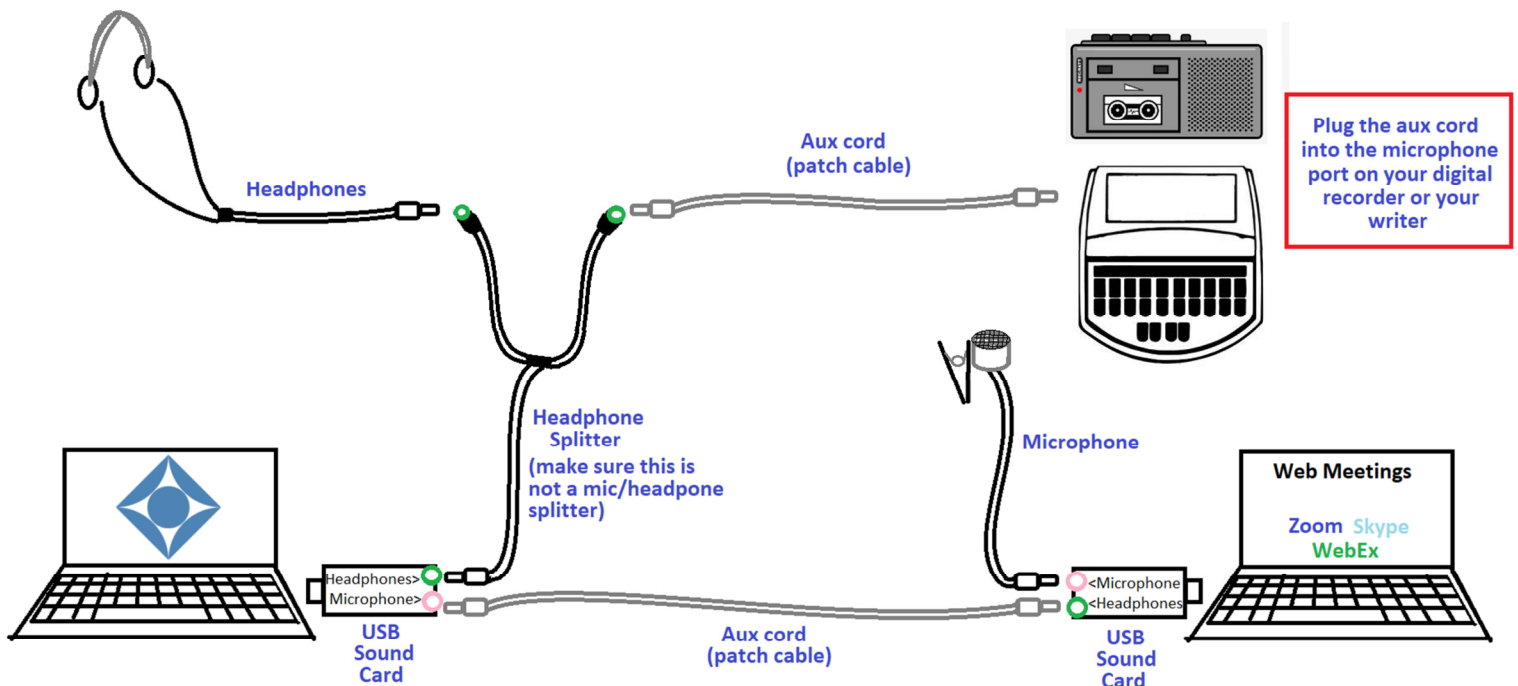
- Start by creating 3 channels:
- Open User Settings > Go to the Realtime Tab > Click Audio Recording > Click add channel until you have 3 channels listed. (0, 1, 2)
- Set channel 0 to default. Click on input and set it to mix
- Set channel 1 to the USB Microphone (USB Sound Card), input stays set to 1
- Set channel 2 to your Internal Microphone, input stays set to 1
- Make sure all compression sizes are the same.



Optional: If you are Realtimeing for yourself only and still want a Mix channel, we recommend you set the compression to PCM 22050 khz 16 bit mono for all channels. These make higher quality but larger wav files (not ideal for sending over connection magic)



Diagram: Web Meeting Audio is on a 2nd computer



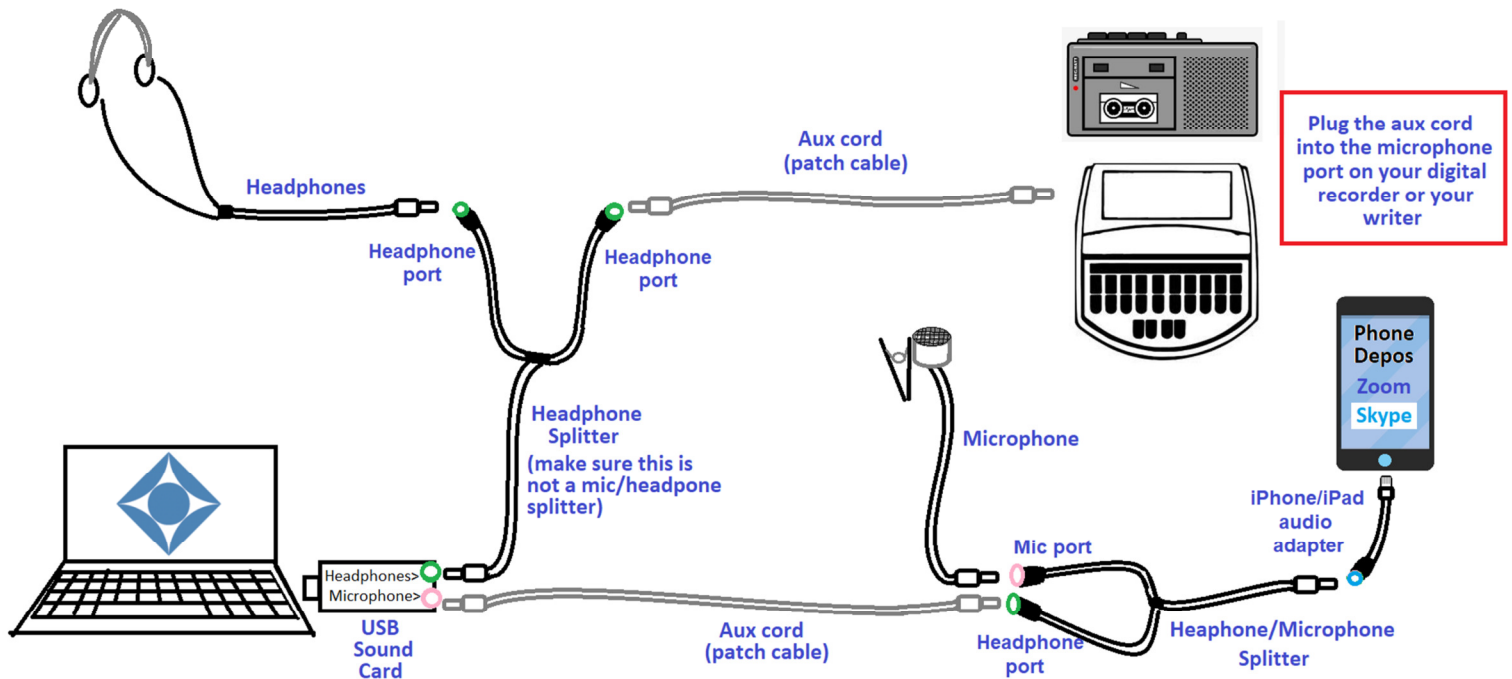
In Eclipse go to User settings > Realtime Tab > Audio Recording
Set your first channel to your USB Microphone
Add a 2nd channel and set that to your internal Microphone
Click on levels > Go to the recording tab > highlight the
USB Microphone and click on properties in the bottom
Click on the Listen tab and check the listen box

Checklist:

- 2 x USB Sound cards
- 2 x 3.5mm aux cords (patch cables)
- Headphones 3.5mm jack
- Microphone 3.5mm jack
- Headphone splitter



**Diagram: Web Meeting Audio is on a phone or tablet.
(iPhone/iPad adapter is required for newer iPhones/iPads)**



In Eclipse go to User settings > Realtime Tab > Audio Recording
Set your first channel to your USB Microphone
Add a 2nd channel and set that to your internal Microphone
Click on levels > Go to the recording tab > highlight the USB Microphone and click on properties in the bottom
Click on the Listen tab and check the listen box

Checklist:

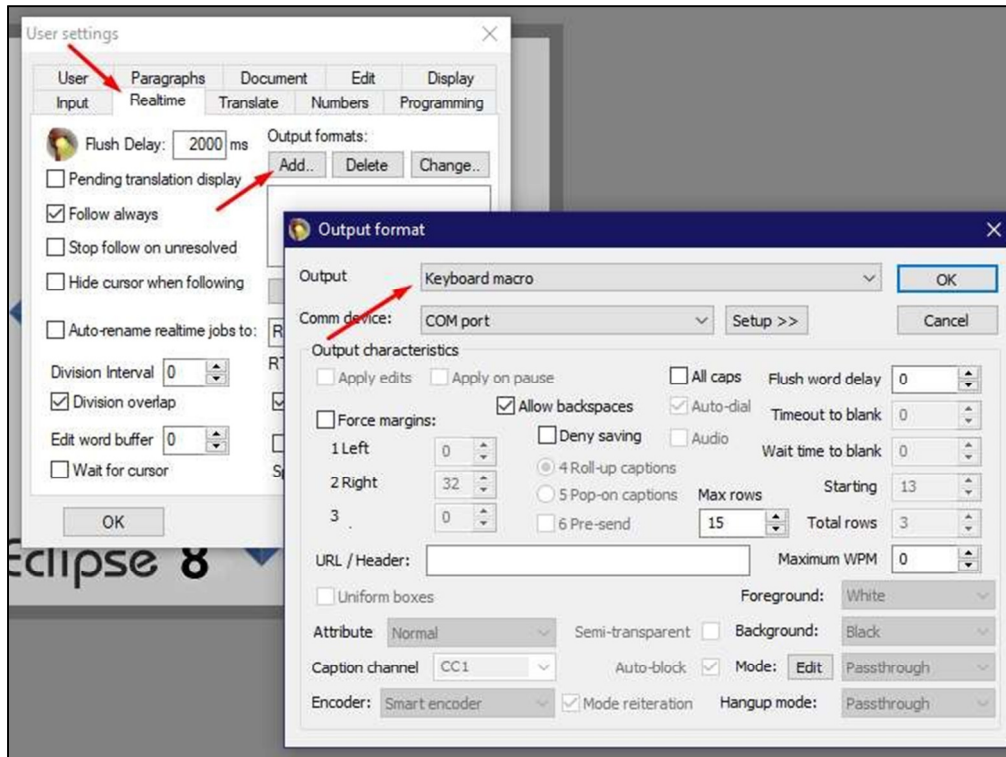
- USB Sound card
- 2 x 3.5mm aux cords (patch cables)
- Headphones 3.5mm jack
- Microphone 3.5mm jack
- Headphone splitter
- Headphone/Mic splitter



Eclipse Captioning directly to Zoom

In Eclipse: Setup a Keyboard Macro output.

- Open User Settings > Go to the Realtime Tab > Click Add > Set the Output to Keyboard Macro (*The Comm device does not need to be set to anything*)

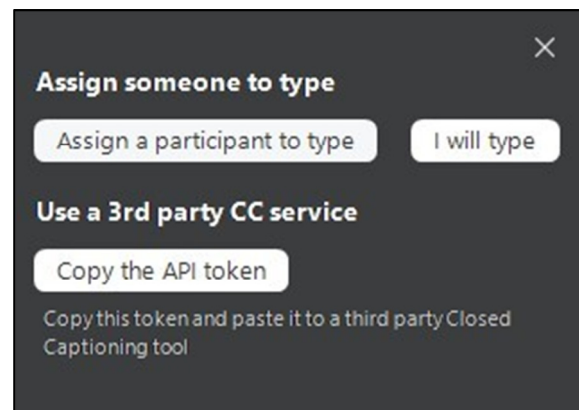


The Zoom Meeting host should send you a link via email to join the meeting.

- Once you have joined, have the Zoom host make you the Captioner by clicking "Closed Caption".

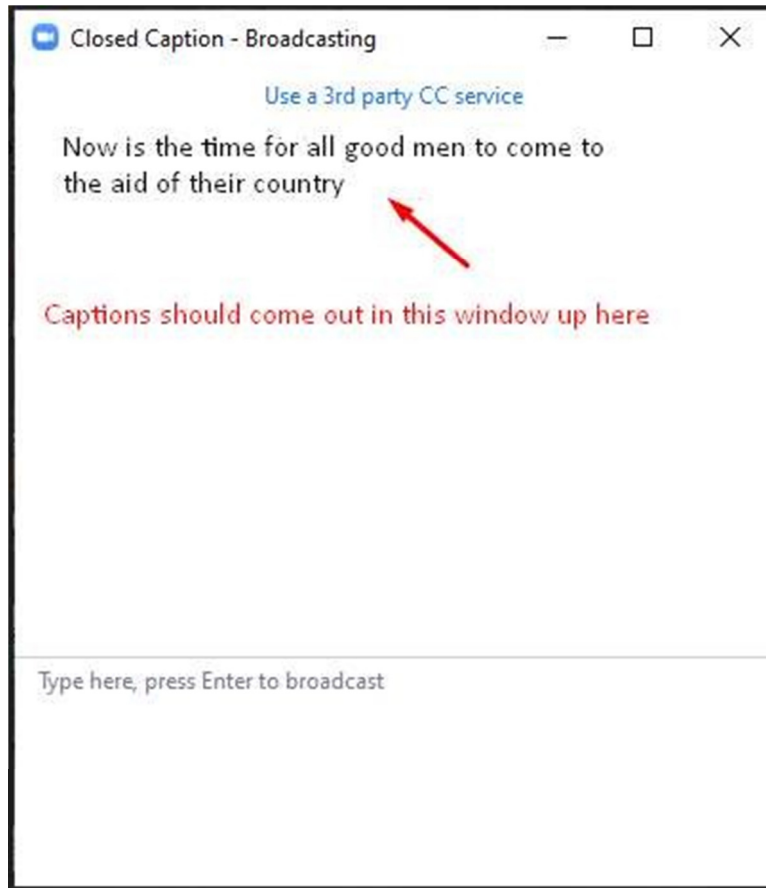


- Then have the host click on "Assign a participant to type". This will open the Participants window where they can hover over your name, click more, and then click "Assign to type Closed Caption".
- You will then see the Closed Caption button on your screen. Click on the Closed Caption button then click into the typing box as seen below.





- Start a Realtime in Eclipse. Then click back over to the Zoom Caption Broadcasting window and make sure your cursor is in the section “Type here, press Enter to broadcast”. You do not need to hit Enter.
- The words will appear at the bottom and then pop up to the top part of the box as it reaches a certain number of characters per line. If you want this to go smoother you could assign a keystroke to a Macro in Eclipse that virtually hits the ‘Enter’ key.
- Here's what the Zoom Captioning window looks like to the Eclipse Captioner.



If you choose to use the Streamtext option below (instead of Keyboard Macro), it requires that Streamtext.net Connector to be downloaded on your computer.

Here is the link for the complete Streamtext.net Connector setup guide:
<https://streamtext.zendesk.com/hc/en-us/articles/210923083-Installing-Updating-and-using-the-StreamText-Net-Connector>

Here is the Download link for Streamtext.net Connector:
<https://www.dropbox.com/s/c0iddiyy8vdwtdtdd/connector-setup.exe?dl=0>

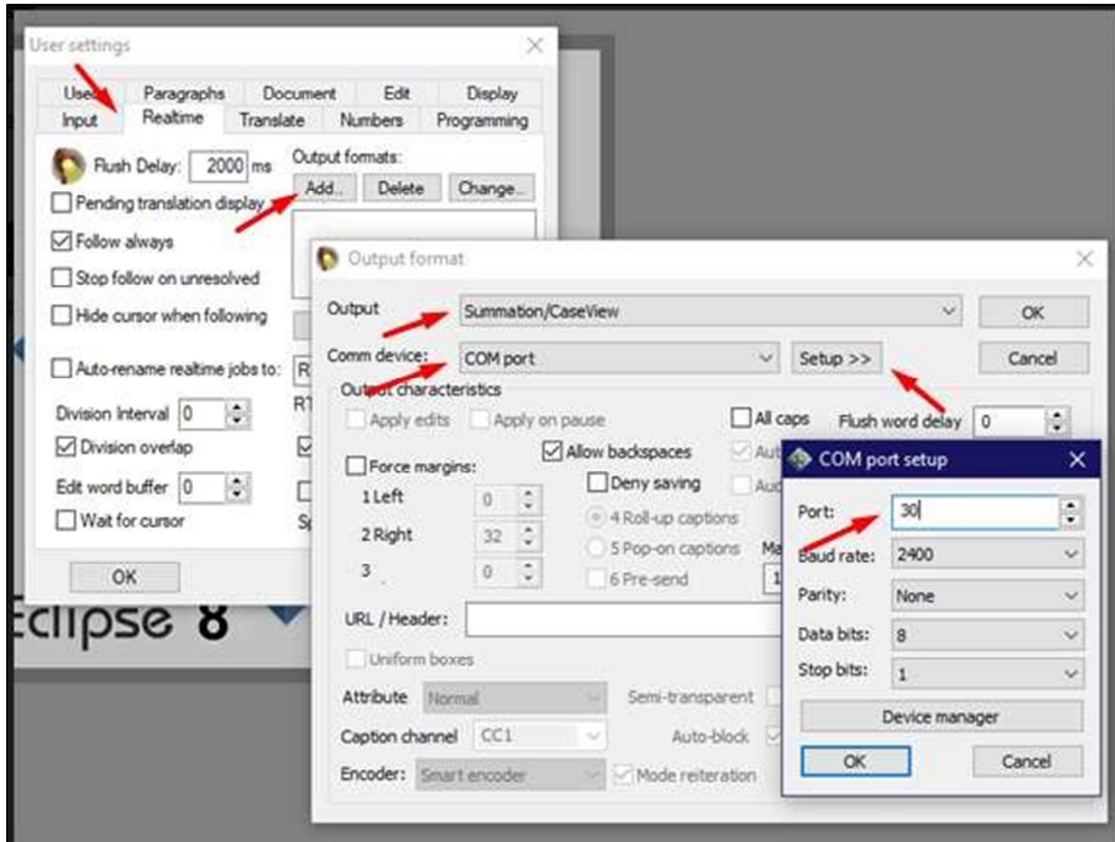
You will also need a Streamtext account which is free to set up.



Eclipse Captioning to Streamtext to Zoom - (A) via Com - or - (B) via TCP/IP

(A) In Eclipse: Setup a Streamtext output via com

Open User Settings > Go to Realtime Tab > Click Add > Set the output to Summation Caseview or ANSI > Set Com device to COM port > Click setup and set the port to 30.

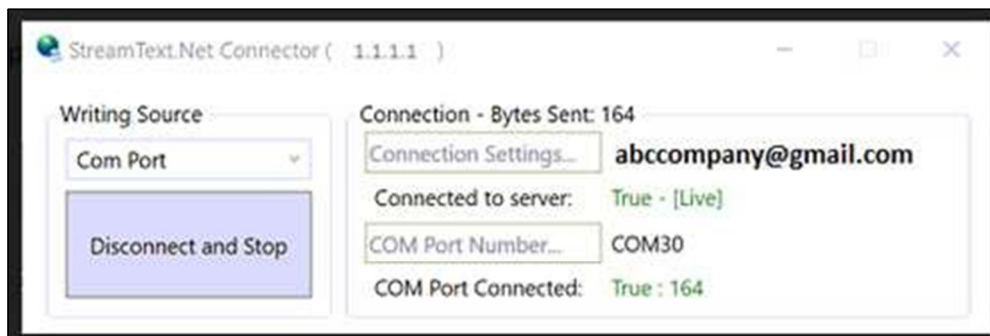


In the Streamtext Connector, setup the com settings

- Open Streamtext.net Connector and sign in > Set Writing source to Com port > Set the com port to 30 > Click connect.

Connected to server should say TRUE - [Live]

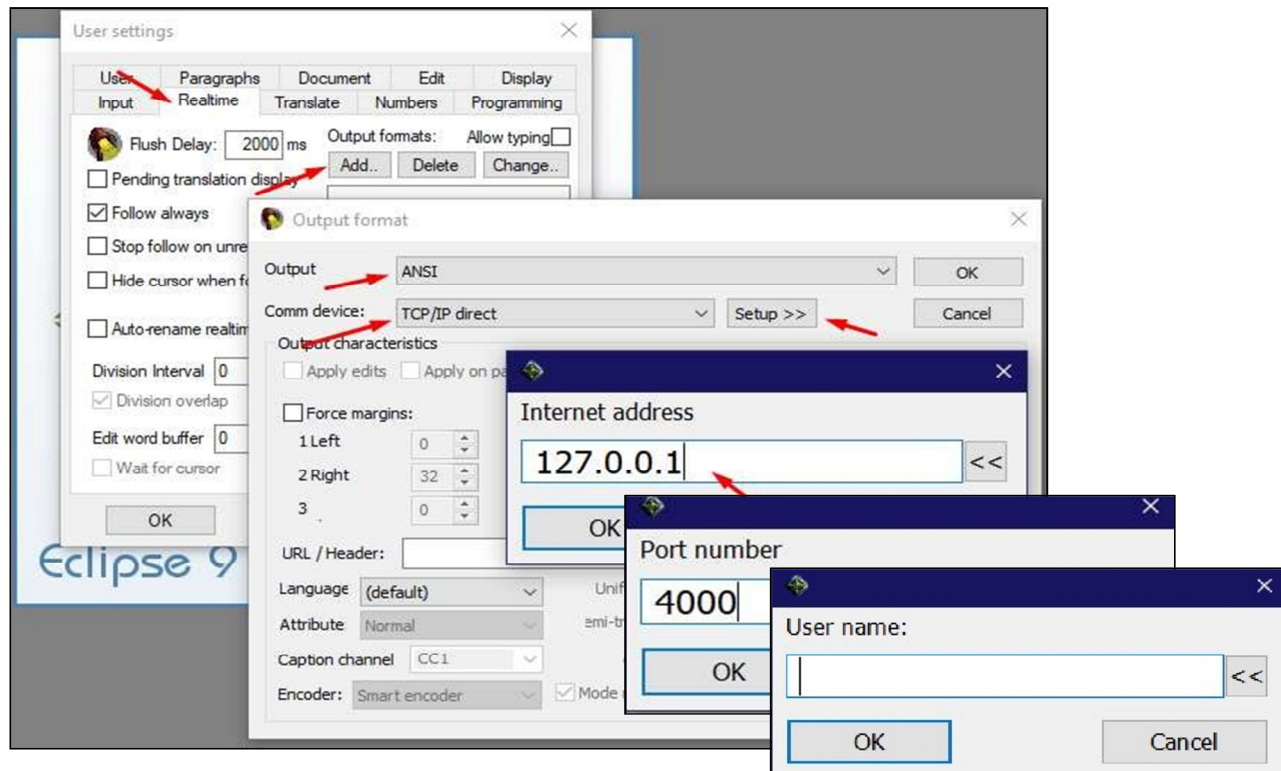
Com Port connected will say False - 0 until you actually start the Realtime session in Eclipse. Then it will say TRUE - ###





(B) In Eclipse: Setup a Streamtext output via TCP/IP

- Open User Settings > Go to Realtime Tab > Click Add > Set the output to Summation Caseview or ANSI > Set Com device to TCP/IP > Click setup and type the IP 127.0.0.1, hit ok, port 4000, hit ok, leave username blank, hit ok.



In the Streamtext Connector, setup the com settings

- Open Streamtext.net Connector and sign in > Set Writing source to Local TCP/IP > Click connect.

*Connected to server should say TRUE - [Live]
TCP/IP connected will say False - 0 until you actually start the Realtime session in Eclipse. Then it will say TRUE - ###*





In the Streamtext web portal, setup an Event as you normally would.

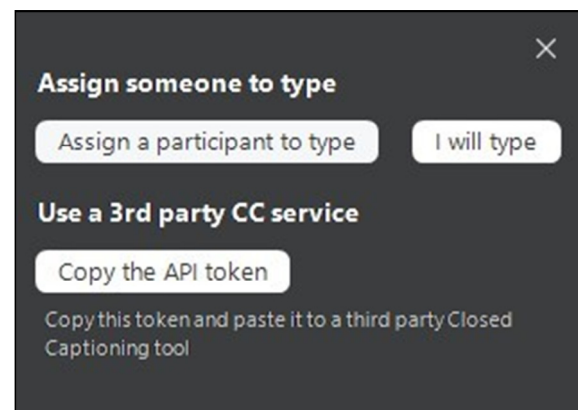
- Under the CART & Captioning Tab scroll down to Zoom and check box to “Stream To Zoom”.
- You will need to enter the Caption URL which you will get from the Zoom host.

- The Zoom Meeting host should send you a link via email to join the meeting.
- Once you have joined, have the Zoom host make you the Captioner by clicking “Closed Caption”.



- Then have the host click on “Copy the API token”, and paste it into an email to you.
- Go back into your Streamtext Event window and paste the URL into the box next to Caption URL under Zoom.

Example: <https://wmcapi.zoom.us/closedcaption?id=200610693&ns=GZHkEA==&expire=86400&sparams=id%2Cns%2Cexpire&signature=nYtXJqRKcW>





Troubleshooting:

Q. My Zoom audio gets cut off the moment I start a Realtime in Eclipse.

- A. 1) If using Stereo Mix, in Zoom make sure the Realtek or Conexant Speakers are checked under Select a Speaker. In Sound (Windows) make sure Realtek or Conexant is the default playback device. If you have downloaded Voicemeeter and are trying to use Stereo Mix instead, make sure Voicemeeter is disabled in Sound under the Recording and the Playback tabs.
2) If using Voicemeeter, reopen the the Voicemeter app and make sure that under Hardware Output A1, MME: **your physical speakers** is still checked. In Zoom, make sure your Speaker is still set to Voicemeeter under Mute/Unmute.

Q. I don't see Closed Captioning in the bottom of my screen (I am the host).

(Note: You will not see Closed Caption if someone else is hosting, and you will not see the Closed Caption button until you are assigned as the Captioner by the host.)

- A. Sign in to the Zoom web portal. > Click on Settings (on the left) > Under 'Meeting' scroll down until you see 'In Meeting (Advanced)' > toggle Closed Caption to on. Click Turn On.

