

CLEAR CONNECT™ QUICK START GUIDE

AUDIO ENHANCEMENT +
Est. 1978

Hello



INTRODUCTION

CLEAR (Communication & Learning Enhancement Application with Real-Time Translation) Connect™

is a real-time, two-way multilingual communication solution designed for classrooms and learning environments. It enables educators and participants to communicate across language barriers using live speech, audio, and text translation—supporting inclusive instruction and active participation for multilingual learners.

CLEAR Connect can be used in two modes: Tethered and Untethered. Each mode supports different instructional needs and environments, giving schools flexibility in how real-time translation and communication are delivered.

In tethered mode, CLEAR Connect is directly connected to the Audio Enhancement® teacher microphone via the XD Clear Bridge™. The teacher's voice is captured automatically and streamed into CLEAR Connect for live translation. This is best used when:

- Instruction is teacher-led
- The teacher is moving around the classroom
- Consistent, hands-free audio capture is needed
- Clear instructional delivery is the priority

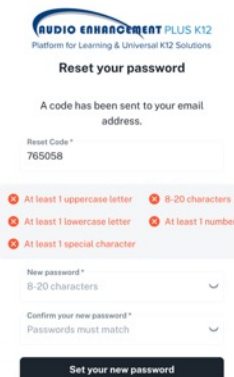
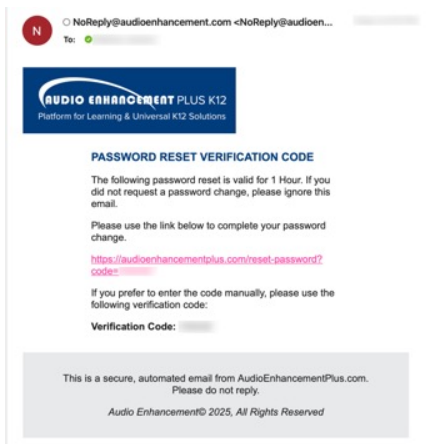
In untethered mode, CLEAR Connect operates independently of a teacher microphone. Audio is captured through a device (such as a laptop, tablet, or kiosk). CLEAR Connect Untethered is best used when:

- The environment extends beyond a traditional classroom
- Flexibility and mobility are required
- Ideal for small groups, Q&A, and collaborative learning
- Works well in non-classroom settings such as front offices

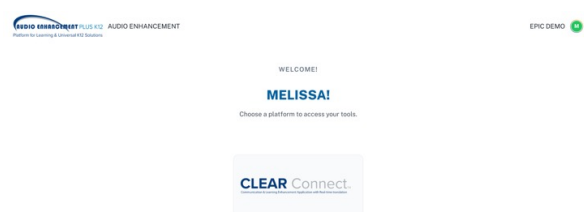
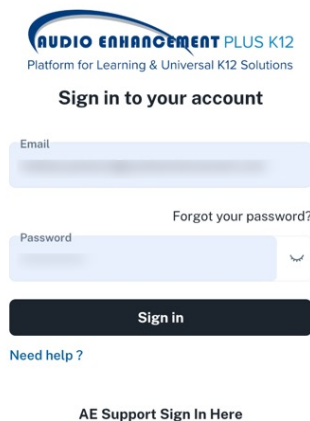
USER AUTHENTICATION

Whether you are using CLEAR Connect in a classroom or front office, in tethered or untethered mode, you must authenticate through AudioEnhancementPlus.com to start a user session. Once your license is activated, you will receive an email from Audio Enhancement Plus with a link to create your password. After completing this step, you can log in and begin using CLEAR Connect.

1. Follow the link in the email sent from noreply@audioenhancement.com. If you do not see the email in your inbox, please check your spam or junk folder.
2. Create a secure password when prompted.



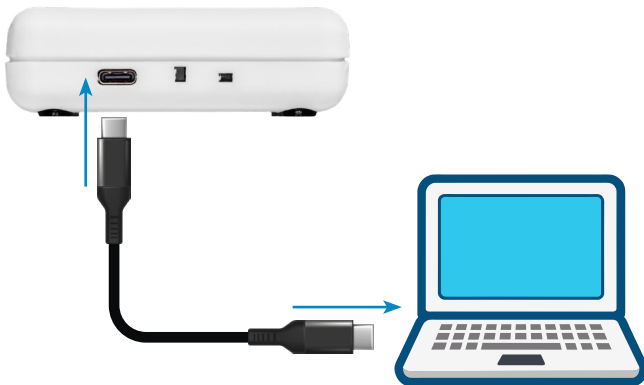
3. Sign in using your email address and password.
4. Select the CLEAR Connect tile to begin a CLEAR Connect session.



LINKING XD CLEAR BRIDGE

If you are using CLEAR Connect tethered, the XD Clear Bridge will need to be linked to a compatible XD Receiver to send audio to CLEAR Connect and the accompanying translation service for the best classroom experience.

1. Use the included USB-C cable to connect the XD Clear Bridge to the teacher computer. Ensure *Input Audio* in the computer settings is set to *XD Audio Bridge* or *USB Audio Codec*.
2. Press the *Link* button on the front of the amplifier or receiver (look for the blinking yellow LED).



3. With the XD Clear Bridge connected to a USB port on the computer, press the *Link* button on the back of the unit. The XD Clear Bridge LED will slowly blink Green when plugged into a USB Port.
4. Successful linking will produce a beep through the system, and on the front of the amplifier you will see an additional Green LED, as well as a solid Green LED on the rear of the XD Clear Bridge.



5. After the Link button is pressed the XD Clear Bridge will quickly blink Green until the link is completed



6. Make sure your XD Teacher Microphone and any additional microphones are linked to the classroom's XD Receiver. For directions on how to link microphones, please see their associated Quick Start Guides, available at <https://audioenhancement.com/downloads>.

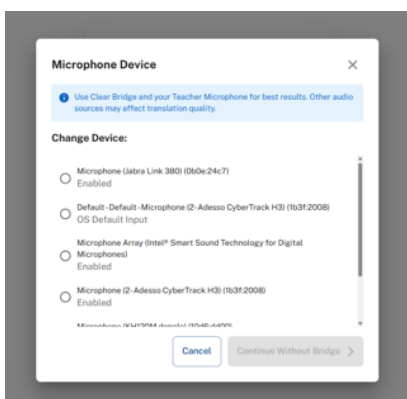
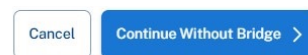
7. Once your XD Clear Bridge and microphones are successfully linked to your XD Receiver, you are ready to begin a CLEAR Connect session. Refer to [page 6](#) for step-by-step instructions on how to start a CLEAR Connect User Session.

CLEAR CONNECT UNTETHERED

After authenticating through Audio Enhancement and selecting the CLEAR Connect tile, you will be redirected to the CLEAR Connect session start page. From there, enter a session name and select the language you will be speaking, which will be translated into each listener's selected language.

Since you are using CLEAR Connect Untethered, you do not need to be connected to a XD Clear Bridge.

1. Since the XD Clear Bridge is not detected, a pop-up will appear prompting you to select a microphone device. From the pop-up menu, choose a microphone from the list of available devices shown on screen.
2. Select *Continue without Bridge* to start the session.



SET CLEAR BRIDGE AS YOUR MICROPHONE (CHROME)

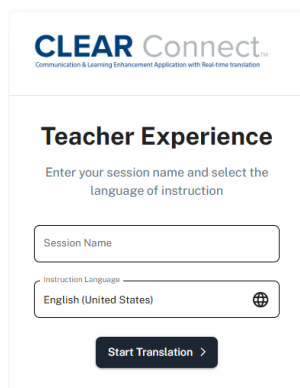
1. Open Chrome.
2. Click the *three dots* (top right) > *Settings*.
3. Select *Privacy & Security* > *Site Settings*.
4. Click *Microphone*.
5. Choose *Digital Audio Bridge* or *USB Audio Codec* from the dropdown.

NOTE

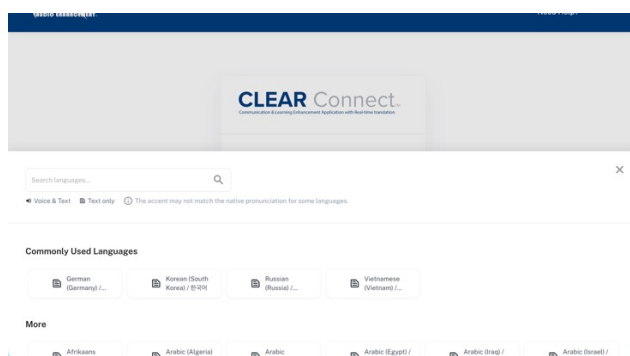
Do this immediately after opening a new Chrome browser.

USER SESSION

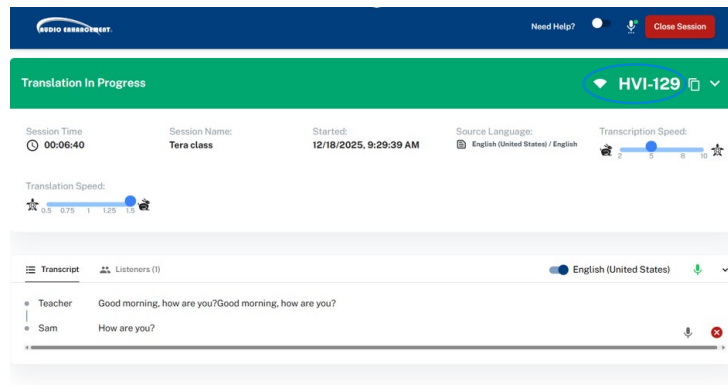
1. Ensure the desired microphone is listed on the screen.
2. If you are using tethered mode, ensure your devices have been linked with your XD Receiver.
3. Once at the Teacher Experience screen, enter a session name for your student(s).
4. Select the language you will be instructing in.



The screenshot shows the 'Teacher Experience' interface. At the top, it says 'CLEAR Connect' with the tagline 'Communication & Learning Enhancement Application with Real-time translation'. Below this, the text 'Teacher Experience' is followed by the instruction 'Enter your session name and select the language of instruction'. There are two input fields: 'Session Name' and 'Instruction Language', which is currently set to 'English (United States)'. A 'Start Translation >' button is at the bottom.



5. You will be given a session code. This is the code that students will use to access the translated instructions.



TRANSLATION SPEED

CLEAR Connect is designed to support understanding and access, not to provide a word-for-word translation. Language learning relies heavily on context, tone, and instructional intent. Using the translation speed slider, CLEAR Connect allows teachers to control the speed of translated audio and on-screen text to better match the pace of instruction and the needs of participants.

The number displayed in the translation speed setting indicates how long (in seconds) CLEAR Connect will wait before sending spoken words for translation if no natural pause in speech is detected.

Transcription Speed:



Moving the slider closer to the *Turtle* causes the system to wait longer before sending audio for translation. This allows more context to be captured and can improve understanding for complex instructions or longer explanations.

Transcription Speed:

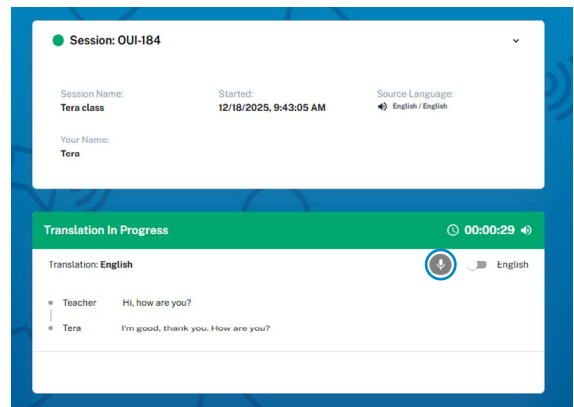


Moving the slider closer to the *Rabbit* causes the system to wait less time, sending audio for translation more quickly. This is helpful for short instructions, quick interactions, or faster-paced conversations.

If the speaker continues talking without a natural break, the system will automatically process and send the captured audio once the selected time limit is reached. If a natural pause occurs before the timer expires, the audio is sent at that point instead.

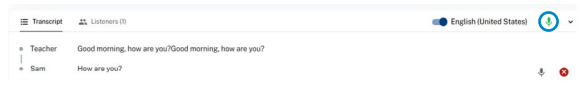
TWO WAY COMMUNICATION

Participants may engage in sessions using two-way communication. Selecting the microphone icon initiates audio capture and starts a 60-second countdown timer while the audio is staged. If the participant finishes speaking before the timer expires, selecting the microphone icon again will manually submit the audio. If no action is taken, the system automatically submits the staged audio when the timer reaches zero.



The system enforces single-microphone access per session. While one participant has an active microphone session, the microphone icon is temporarily unavailable to all other participants. Once the active audio is submitted, microphone access is restored for the remaining participants.

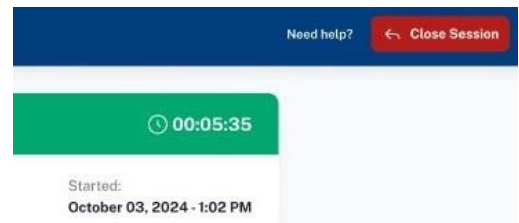
Teachers can disable two-way communication at any time by clicking the green microphone icon. When the microphone turns *Red*, participants will no longer have access to their microphones.



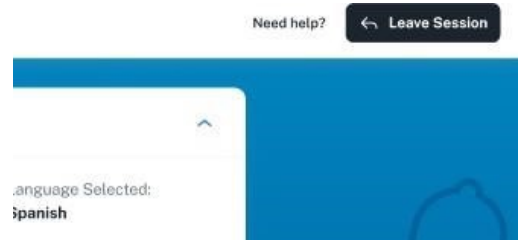
Teachers may also manage microphone access per participant by disabling the microphone in the *Listeners* tab or directly next to a participant's name in the transcript.

CLOSING A SESSION

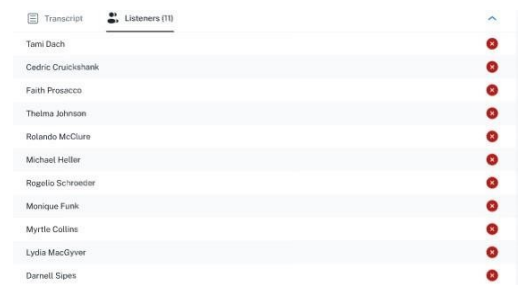
All CLEAR Connect sessions automatically close after 90 minutes of translation, however, an instructor can close a session whenever necessary by using the *Close Session* button in the top right corner of the interface. Once a session is closed, all users will be removed, and a new CLEAR Connect session will need to be started to continue.



Students can leave the session independently using the *Leave Session* button, also located in the top right corner of the interface.



Teachers can manually remove students from sessions using the *Listeners* tab or the main CLEAR Connect interface by clicking on the *Red X* button next to a student's name.



PARTICIPANT ACCESS

1. Navigate to <https://aeclearconnect.live>.
2. Enter your name.

CLEAR Connect
Communication & Learning Enhancement Application with Real-time Translation

Student Experience

Enter the session code your teacher provided, then select a language, and click to join the translation session.

Session Code:

First Name:

Student Language:

Remember me

[Join Translation Session >](#)

NOTE

Select *Remember me* to save your name and language for future sessions.

3. Select your preferred translation language.

CLEAR Connect
Communication & Learning Enhancement Application with Real-time Translation

Student Experience

Enter the session code your teacher provided, then

Search languages...

Afrikaans (South Africa) / Afrikaans	Arabic / العربية	Bulgarian (Bulgaria) / България	Bengali (India) / বাংলা	Catalan (Spain) / Català	Mandarin Chinese (China) / 普通话
Mandarin Chinese (Taiwan) / 普通话	Czech (Czech Republic) / Čeština	Danish (Denmark) / Dansk	German (Germany) / Deutsch	Greek (Greece) / Ελληνικά	English (Australia) / English
English (UK) / English	English (India) / English	English (US) / English	Spanish (Spain) / Español	Spanish (US) / Español	Basque (Spain) / Euskara
Finnish (Finland) / Suomi	French (Canada) / Français	French (France) / Français	Galician (Spain) / Gallego	Gujarati (India) / ગુજરાતી	Hindi (India) / हिन्दी

4. Enter the session code provided by the instructor.

CLEAR Connect
Communication & Learning Enhancement Application with Real-time Translation

Student Experience

Enter the session code your teacher provided, then select a language, and click to join the translation session.

Session Code:

First Name:

Student Language:

Remember me

[Join Translation Session >](#)

5. Click Join Translation Session to access translated instructions.

CLEAR Connect
Communication & Learning Enhancement Application with Real-time Translation

Student Experience

Enter the session code your teacher provided, then select a language, and click to join the translation session.

Session Code:

First Name:

Student Language:

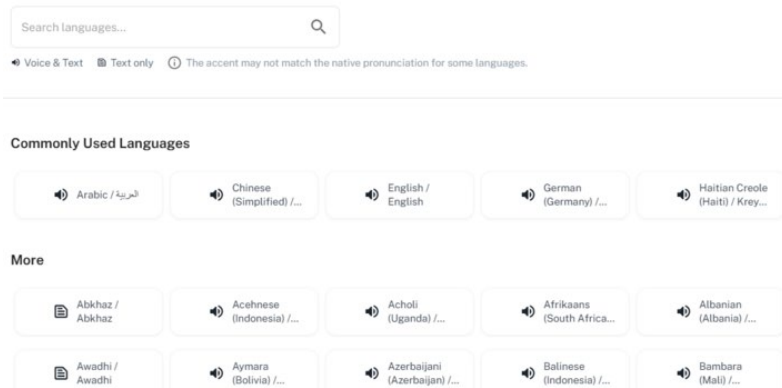
Remember me

[Join Translation Session >](#)

TWO WAY COMMUNICATION

Only one participant can use the microphone at a time. When you activate your microphone, it becomes unavailable to all other participants until your audio is submitted. Once your message is sent, microphone access is restored for others.

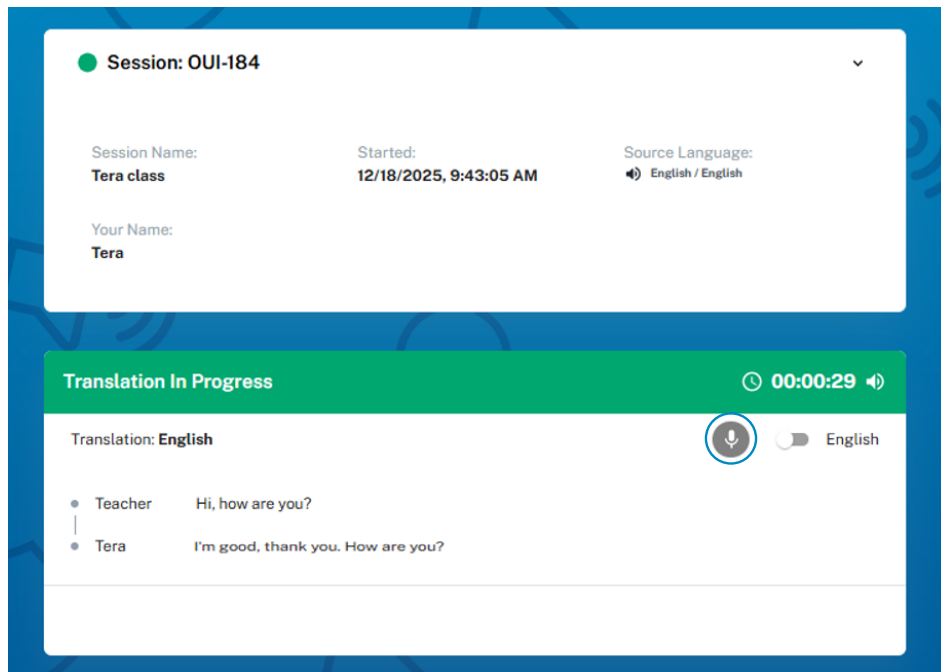
Students who join in a language that is classified as “Text only” do not have access to the 2way feature.



If two-way communication is disabled by the teacher, the microphone icon will turn *Red*, and you will no longer be able to use your microphone to speak.

1. Click the microphone icon to begin speaking. A 60-second countdown timer starts while your audio is staged.
2. Speak your message. If you finish before the timer ends, click the microphone icon again to send your audio.

If you do nothing, your audio is automatically sent when the timer reaches 0.



STUDENT SUPPORTED LANGUAGES

● Voice and Text

★ Text Only

★ Abkhaz	● Czech (Czech Republic)	● Hunsrik*	★ Maltese	● Shona*
● Acehnese*	● Danish (Denmark)	● Icelandic (Iceland)	● Maori	● Sicilian
● Acholi*	● Dinka*	● Igbo*	● Marathi (India)	● Silesian*
● Afrikaans (South Africa)	★ Divehi	● Iloko	★ Meadow Mari	★ Sindhi
● Albanian*	★ Dogri	● Indonesian (Indonesia)	★ Meiteilon (Manipuri)	★ Sinhala (Sinhalese)
● Alur*	● Dombe	● Irish*	● Minang	● Slovak (Slovakia)
★ Amharic	● Dutch (Belgium)	● Italian (Italy)	★ Mizo	● Slovenian
● Arabic	● Dutch (Netherlands)	● Japanese (Japan)	★ Mongolian	★ Somali
★ Armenian	★ Dzongkha	● Javanese*	★ Myanmar (Burmese)	● Spanish (Spain)
★ Assamese	● English (Australia)	● Kannada (India)	● Ndebele (South)	● Spanish (US)
★ Awadhi	● English (India)	● Kapampangan	★ Nepalbhasa (Newari)	● Sundanese
● Aymara*	● English (UK)	● Kazakh*	★ Nepali	● Swahili
● Azerbaijani*	● English (US)	★ Khmer	● Northern Sotho (Sepedi)	● Swati*
● Balinese*	● Esperanto*	● Kiga	● Norwegian	● Swedish (Sweden)
● Bambara	★ Estonian	● Kinyarwanda*	● Nuer*	★ Tajik
★ Bashkir	● Ewe*	● Kituba*	● Occitan*	● Tamil (India)
● Basque (Spain)	● Fijian	★ Konkani	★ Odia (Oriya)	★ Tatar
● Batak Karo*	● Filipino (Philippines)	● Korean (South Korea)	● Oromo*	● Telugu (India)
● Batak Simalungun	● Finnish (Finland)	★ Krio	● Pangasinan	★ Tetum*
● Batak Toba	● French (Canada)	★ Kurdish (Kurmanji)	● Papiamentu*	● Thai (Thailand)
★ Belarusian	● French (France)	★ Kurdish (Sorani)	★ Pashto	★ Tigrinya
● Bemba*	● Frisian	● Kyrgyz*	★ Persian	● Tsonga*
● Bengali (India)	● Fulfulde	★ Lao	● Polish (Poland)	● Tswana
● Betawi	● Ga*	★ Latgalian	● Portuguese (Brazil)	● Turkish (Turkey)
★ Bhojpuri	● Galician (Spain)	★ Latin	● Portuguese (Portugal)	● Turkmen*
● Bikol*	● Ganda (Luganda)	● Latvian (Latvia)	● Punjabi (India)*	● Twi (Akan)
★ Bosnian	★ Georgian	★ Ligurian	● Quechua*	● Ukrainian (Ukraine)
● Breton*	● German (Germany)	★ Limburgan	● Romani*	● Urdu*
● Bulgarian (Bulgaria)	● Greek (Greece)	★ Lingala	● Romanian (Romania)	★ Uyghur
★ Buryat	● Guarani*	● Lithuanian (Lithuania)	● Rundi	● Uzbek*
● Cantonese	● Gujarati (India)	★ Lombard	● Russian (Russia)	● Vietnamese (Vietnam)
● Catalan (Spain)	● Haitian Creole	● Luo	● Samoan*	● Welsh
● Cebuano*	● Hakha Chin	● Luxembourgish	● Sango	● Xhosa*
● Chichewa (Nyanja)	● Hausa*	★ Macedonian	★ Sanskrit	★ Yiddish
● Chinese (Traditional)	● Hawaiian*	★ Maithili	● Scots Gaelic	● Yoruba*
● Chinese* (Simplified)	● Hebrew	● Makassar	● Serbian (Cyrillic)	● Yucatec Maya
★ Chuvash	● Hiligaynon	● Malagasy*	● Sesotho	● Zulu*
● Corsican	● Hindi (India)	★ Malay (Malaysia)*	★ Seychellois Creole	
● Crimean Tatar	★ Hmong	● Malayalam (India)	★ Shan	
★ Croatian	● Hungarian (Hungary)			

*The accent may not match the native pronunciation for some languages.

USER DEFINITIONS & LICENSING

CLEAR Connect is a secure, cloud-based platform that enables real-time translation across learning environments. Whether used in the classroom through XD Clear Bridge or one-on-one with students, faculty, or parents via the untethered experience using your computer's microphone, communication barriers begin to fade. With intuitive two-way communication, the possibilities are clear with CLEAR Connect.

USER DEFINITIONS

A User is any individual who starts or initiates a session within the system. Each user is assigned a unique license tied to their email address. User licenses cannot be shared, transferred, or used by multiple individuals. Anyone who will start a session must have their own valid license.

A Participant is any individual who joins an existing session started by a licensed user. Participants do not require a license to join or engage in the session.

LICENSING & RENEWALS

Licenses are registered to individual email addresses and are consumed upon first login. All licenses renew annually on June 30. Prior to renewal, an activity report will be provided to assist in reviewing usage and right-sizing license quantities for the upcoming term.

TROUBLESHOOTING

CLEAR CONNECT NOT RECOGNIZING XD CLEAR BRIDGE

Ensure the USB connection from the XD Clear Bridge to your computer is active, and on the teacher device connected XD Bridge, navigate to *Settings*, then *Sound*. Locate the device labeled *Digital Audio Bridge* or *USB Audio Codec*, and ensure that it is active and set as an Audio Input Device. The LED indicator will be green if the device is correctly connected and functioning.

NETWORK AND CONTENT FILTERING REQUIREMENTS

To ensure seamless connection to CLEAR Connect, the following internet addresses must be available from your staff and student devices and networks. Any network restrictions or content filtering services must be configured to allow access to these sites.

- *.audioenhancementplus.com
- *.aeclearconnect.com
- *.aeclearconnect.live

*Audio Enhancement's CLEAR Connect is designed with privacy and security as a top priority. The platform does not capture, store, or retain any student data once a session is closed. All data associated with the session is automatically deleted upon closure, ensuring that no personally identifiable information (PII) is stored. This commitment to data privacy aligns with our dedication to maintaining a secure and compliant digital environment for educators and students.