

Automatic Speech Translation System for Classrooms

Enersound Cloud

INPUT language



OUTPUT language



AI-powered Speech Translation, Interpretation, and Captioning.

Available in over **40 languages**.

Multilingual **captions** on phone screens.

Compatible with Enersound **FM systems**.

Accessible from any web browser.



Lifetime warranty on receivers and transmitter. (*)

Enersound Cloud for Classrooms is an innovative solution for educational settings that merges Enersound wireless audio distribution systems with the power of artificial intelligence to deliver real-time automatic speech translation. Additionally, the system offers captioning that can be directly streamed to your audience's cellphone screens in multiple languages. Simply scan a QR code for those who prefer reading translations rather than listening, or for the hearing impaired.

In situations where professional interpreters are unavailable or too costly, the Enersound Cloud system is versatile, catering to settings such as classrooms, presentations, seminars, lectures, training sessions, and more. It excels in providing translation and interpretation services in over 40 languages.

* Included accessories have One-Year Warranty.

Operating on a pay-as-you-go model, the hourly rate is a fraction of the cost of hiring a professional onsite interpreter. In instances where an in-person interpreter is necessary, the Enersound wireless audio distribution system accommodates both machine and human interpreters.

The system is user-friendly, boasting a simple, cloud-based, and intuitive interface without the need for software installation. Access it from any computer at any location with a stable internet connection.

The computer is not included.

This bundle includes a wireless language distribution system consisting of a T-500 transmitter for one foreign language and multichannel receivers for the students or foreign speaking participants. More foreign languages can be added for a maximum of 6 in the same room by purchasing 1 additional T-500 transmitter and USB adapter per language. It can be expanded by adding an unlimited number of additional receivers. Alternatively, it can be used with a human interpreter if desired with the included headband microphone. For the instructor, the system also includes a Compact Wireless Lavalier Microphone.

Features:

- Automatic, high-quality simultaneous interpretation in over 40 languages.
- Real-time captioning and translation for both source and target languages.
- User-friendly setup and operation with an intuitive interface.
- Affordable pay-as-you-go rates for machine interpretation with no additional fees when using your own human interpreter.
- Phone support is readily available.
- Limited lifetime warranty on transmitter and receivers.
- Expandable to an unlimited number of listeners and for multiple languages.
- Accessible from any computer with an internet connection and a web browser. No software installation needed.



How Does it work?

STEP ONE

The speaker/teacher wears a clip-on lapel microphone, which captures their voice to be translated.

INPUT LANGUAGE



INPUT AUDIO

REAL-TIME TRANSCRIPTION



STEP TWO

The microphone's audio is sent to the computer using a USB adapter.



USB ADAPTER



STEP THREE

Enersound Cloud translates the input language to the desired output language, generating a new translated audio.

OUTPUT LANGUAGE



TRANSMITTER



RECEIVERS



STEP FOUR

The transmitter receives the translated audio and wirelessly broadcasts it, with a range of up to 500ft.

STEP FIVE

The foreign speaking audience listens to the speech in their own language through wireless receivers with headphones.



System Requirements Not Included in this Bundle:

- A computer with internet access, USB port and a web browser such as **Edge or Chrome**.
- The automatic translation feature works on a **pay as you go** basis at an affordable rate. Contact us for more information and current rates.



Components



R-120 receivers for the audience.

- Superb sound quality.
- Multiple carrying options: (Belt clip, Neck strap & Velcro armband.)
- Long battery life (up to 55 working hours.)

EAR-120 dual headphones for the audience.



- Clip headphones for best fit with 3.5 mm stereo plug.

MIC-300 headband microphone.

- Back up mic when using the system with a live interpreter.



T-500 transmitter to connect to a computer.

- Superb Audio Quality.
- FCC/IC approved.
- Broadcasts to unlimited receivers.



RCA-RCA

- 10 ft premium cable



3.5mm to 2 RCAs

- 3 ft premium cable

Wireless Lavalier Microphone for the instructor.



- Up to 7 hours of use on a single charge.
- Fast, one button pairing.

USB adapter to connect to a computer.



- Works with your PC or Mac—no setup or drivers required.
- Powered via USB bus—no external power supply needed.



Enersound Cloud
License and Set Up Fee.

Accessories



CAS-10 Carrying Case

- Holds up to 10 Enersound FM receivers.
- Convenient compartment for headphones and other accessories.
- Metal core hinges.
- Nylon latches.
- Integrated handle.
- Strong polypropylene body.
- Convoluted polyurethane foam on lid to gently secure items.
- Custom die cut polyethylene foam divisions.



CAS-25 Carrying and Shipping Case

- Holds up to 25 Enersound FM receivers.
- Convenient compartment for headphones and other accessories including a desktop transmitter and microphone.
- Waterproof, impact resistant, crushproof, dustproof.
- Powerclaw™ latching system.
- Soft grip foldable handle.
- Lightweight NK-7™ resin & 100% stainless steel hardware.
- Automatic pressure release valve.
- Padlockable and stackable.
- Convoluted polyurethane foam on lid to gently secure items.
- Custom die cut polyethylene foam divisions.



CAS-325 Carrying Case

- Holds up to 25 Enersound FM receivers.
- Convenient compartment for headphones and other accessories, including bodypack or desktop transmitter and microphone.
- Lightweight.



CAS-550 Carrying/Shipping Case

- Holds up to 50 Enersound FM receivers.
- Convenient accessory tray for headphones and other accessories, including bodypack or desktop transmitter, and microphone.
- Waterproof, impact resistant, crushproof, dustproof.



HEAD-702 Headphones

- Premium Foldable Headphones with reinforced cable and HiFi Speakers.



EAR-102 Headphones with Stereo 3.5mm

- Comfortably fits over the ear.
- Optimal sound quality.
- Gold-plated 3.5 mm stereo plug.
- 41-inch single cable.

Available Languages to date:



Technical Specifications

Multiple language outputs: Can simultaneously interpret into multiple languages and for an unlimited number of listeners.

Operating systems: Windows / Mac OS.

Available browsers: Google Chrome, Safari, Firefox and Edge.

Enabled devices: Laptops and desktop computers.

Technical Specifications

T-500 Transmitter

- Operating Frequency: 72.1-75.9MHz.
- Number of Channels: 17 Selectable.
- Frequency Deviation:
 - Selectable, Wide: +/- 75kHz or
 - Narrow: +/- 25 kHz (Max Deviation.)
- Frequency Accuracy: +/- 0.005%
- Transmitter Stability: +/- 20ppm.
- Output Power:
 - Hi: 80,000uV/m at 3m.
 - Low: 40,000uV/m at 3m.
- Antenna: 50 ohm rubber ducky antenna or optional remote antenna.
- Antenna Connector: Modified TNC.
- Compliance: FCC part15, Industry Canada.
- Frequency Response: 100Hz ~15KHz
- Signal to Noise Ratio: 70db.
- System Distortion:<2%(THD) at 80% dev.
- Audio Input 1: 3-Pin XLR and ¼" (TRS) combination jack for MIC or LINE level Balanced or unbalanced. Nominal input level 0/56dbu (0.77V/1.3mV) (line/mic). Phantom Power:12VDC PIN 2&3 on XLR or Tip and Ring on ¼" TRS Jack.
- Audio Input 2: RCA Jack, unbalanced Line Level -10dBu nominal, 100KΩ.
- External Monitor In: RCA Jack, unbalanced, Line Level -10dBu nominal, 100KΩ.
- REC Output: RCA Jack, unbalance output, Line Level -10dBu nominal, 10 ohms.
- MIC Input: Front panel: 3.5mm 1/8" TRS jack, supplies +DC on tip for electret mics.
- Audio Processing:signal compression 2:1.
- Headphone Out: 3.5mm stereo TRS jack, adjustable output level, Max Power 61mW @8ohm, Impedance: 4~16ohm.
- Power Supply: In:100~240VAC, 50-60Hz., Out:15VDC, 1A. Connector: 5.00mm OD, 2.5mm ID, barrel type.

- Temp. Operation: 23F to + 104F.
- Temp. Storage: -4F) to + 140F.
- Humidity: 0~95% Relative Humidity.
- Dimensions (DxWxH): 5" x 5.5" x 2.36"
- Unit Weight: 1.2 lbs. (0.54 Kg.)
- Shipping Weight: 2.2 lbs. (1.1 Kg.)
- Rack Mounting: 1 1/2 rack space height, 1/2 rack space wide. One or two transmitters can be mounted in 1 1/2 rack space with optional rack mounts RM-501 or RM-502.

R-120 Receivers

- Batteries: (2) alkaline AAA (1.5V x 2) Or (2) NiMH AAA rechargeable.
- Battery life:
 - Up to 55 hours of use w/alkaline batteries.
 - Up to 40 hours w/NiMH rechargeable.
- Number of channels: 20 user-selectable.
- Frequency range: FM 72.0 to 76.0 MHz.
- FM deviation: +/- 75 KHz.
- De-emphasis: 75 uS.
- Sensitivity: 1.12 uV at 12 db SINAD.
- Signal to noise ratio: 55 db at 100 uV.
- Audio frequency response: 80 Hz to 12 Khz.
- Audio power:33 mW +33 mW at 32 ohms.
- Audio connector: 3.5mm stereo phone jack.
- Current consumption: 22 mA nominal.
- Dimensions: 3" Diameter,1.22" High
- Weight without batteries: 2.3 ounces (65g.)