

Speaksee

SEE WHAT YOU CAN'T HEAR

Empowering people who are deaf or hard of hearing

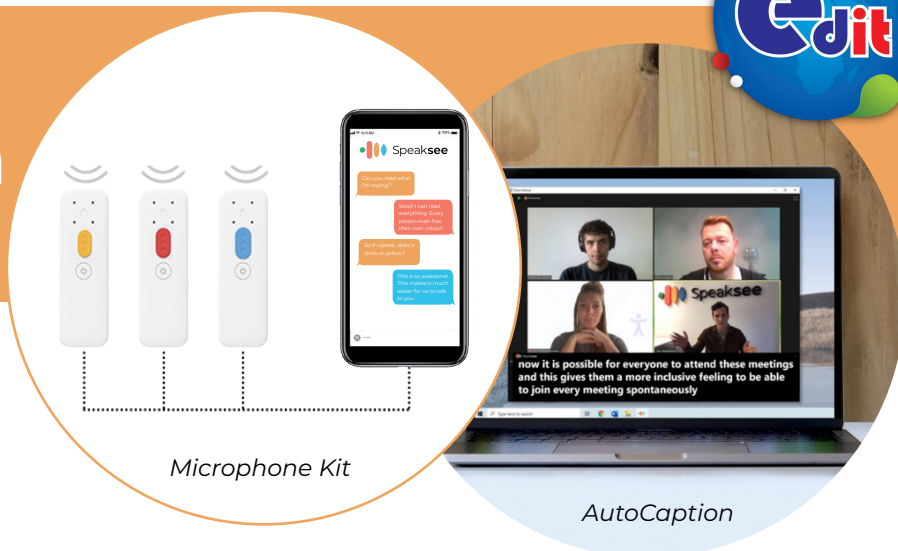


SPEAKSEE

- MICROPHONE KIT
- AUTOCAPTION



Introduction



This brochure is developed to provide information about the Speaksee Microphone Kit and Speaksee AutoCaption products.

Our products have been designed specifically for people who are deaf or hard of hearing and regularly experience difficulty with communication.

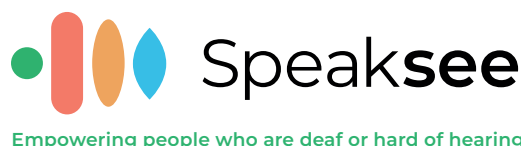
Due to the versatility of the Speaksee system, the Microphone Kit can also be used to support people who don't speak the language (like refugees), people with certain forms of neurodiversity and those who need specific support with note taking or verbal communication.

All Speaksee products have been fully approved for government funding in the UK for people with disabilities:

- UK employees can obtain funding through the Department of Work and Pensions (DWP) using Access to Work (AtW).
- UK students can apply for full funding through the Department for Education (DfE) using the Disabled Student Allowance (DSA).

In the Netherlands, Speaksee are recognised by all major health insurance companies who will provide funding once a referral from audiology has been granted.

For information on funding options in other countries please contact us on:
hello@speak-see.com





Speaksee Microphone Kit

The Speaksee Microphone Kit is the world's first microphone system, specifically designed to create live subtitles for **group** conversations.

The Microphone Kit converts speech to text in **real-time** with market leading speed and accuracy, even in noisy surroundings.

During an interaction, individual microphones are handed out to each member of the group. Subtitles are then displayed in different coloured speech bubbles for each participant via the Speaksee app.

Speaksee AutoCaption

AutoCaption brings Speaksee's **high-quality subtitles** to your **digital life**. Using the same speech-to-text technology, the AutoCaption software app can be used on any PC or Laptop to create subtitles for absolutely any speech audio detected. Fully compatible with **all video conferencing platforms** and ideal for transcribing any online content including tutorial videos, online workshops, podcasts, YouTube, BBC, Netflix or any other streaming service.

Company background

Speaksee's CEO and founder, Jari Hazelebach, has a very personal connection to the products. Being a child of two deaf parents, he saw first-hand the difficulties his parents faced when communicating with those around them. Using these experiences as his motivation, he cofounded Speaksee in 2017 with the mission to provide a solution to allow deaf and hard-of-hearing individuals participate fully in group conversations.



Empowering people who are deaf or hard of hearing



What makes the Speaksee Microphone Kit unique?



Speaksee is designed specifically for deaf people by a team who understands

There are several speech-to-text providers on the market but very few are designed specifically for deaf and hard of hearing people, and even fewer still that come from a company with our experience of hearing loss. The Speaksee team have all either lived with someone close to them who is deaf or are deaf themselves. We are our own customer!



World leading accuracy, even when there is background noise

Using cutting edge, **beamforming technology**, Speaksee microphones are able to isolate the speaker's voice, filter noise, and extract the best possible audio quality before converting to text. This method ensures our customers get the **best possible accuracy levels** (consistently at 95%) even in situations with lots of background noise.



Multiple microphone system can support group discussion

The Speaksee Microphone Kit system supports **up to 9 microphones** at a time, making it the only solution for use in large group conversations. During conversations, subtitles are displayed in **different coloured speech bubbles** for each participant. This patented approach makes following a conversation much easier for the user, even when people are talking all at once!



Personal dictionary

Speaksee allows the user to **personalise their dictionary** with up to 500 new words. This serves to further increase accuracy and is particularly useful for people that use a lot of acronyms or difficult vocabulary.



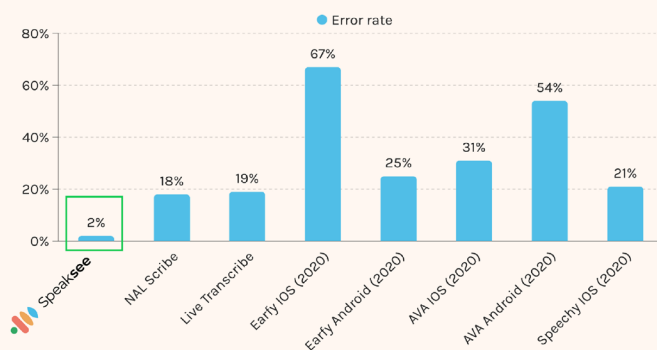
Data security

All Speaksee data communications are **software and hardware encrypted** and managed by dedicated servers to ensure absolute privacy for our customers regardless of the conversation topic.

Independent research findings

An independent study took place at the beginning of 2023, conducted by clinical physicist audiologist Jan-Willem Wasmann to understand the performance of Speaksee and other speech-to-text products. Multiple methods were used to assess performance of the Speaksee Microphone Kit and alternatives. During the comparative study Speaksee was compared with NAL Scribe, Live Transcribe, AVA, Earlyfy and Speechy.

In Dutch Speaksee makes much less errors compared to all other apps WER- test



Speaksee consistently performed at 98% accuracy while others were at 80% or less!

Jan-Willem Wasmann concludes: "In measurements where we mimic the usage situation, **Speaksee outperforms the other systems**. This indicates that with a single speaker, **Speaksee is the best option of the systems tested**. We were not yet able to simulate multiple speakers (with multiple speakers and microphones simultaneously), our expectation is that **Speaksee will further distinguish itself** from alternatives in this usage scenario."

Why choose Speaksee above other communication support solutions?

When to choose Speaksee instead of using an interpreter or speech-to-text-reporter

- Interpreters and note takers provide excellent support, they often **need to be booked days in advance**. The significant increase in demand for these services over the last few years has made it much more difficult to access support when you need it.
- Personal interpreters can be **very expensive** particularly if you are using limited funding to pay for them. Interpreters will charge an hourly rate for their services and, in some cases, will also charge for travelling times to and from your location.
- Why only have communication support for the most important meetings? You wouldn't book an interpreter to support you during a family gathering or for an unplanned work meeting. **With Speaksee there is no reason to ever miss out.** The Microphone Kit brings real independence to any deaf person managing their own communication needs.

What is the difference between Speaksee and other cheap (or free) apps?

There are a lot of free (or very cheap) speech-to-text apps out there and while they can work reasonably well for one-to-one conversations, they don't provide accurate transcriptions in groups and aren't able to show each person in a different colour. Speaksee is the only tool able to help people during all important aspects of their job, education, and personal life.

Speaksee is the only solution that uses specifically engineered, **external microphones** (while cheaper apps just use the microphone in the mobile phone or laptop)

Speaksee has the best level of accuracy in the market, consistently performing with **+95% accuracy**

Each person in the conversation is given their own microphone, ensuring **top quality transcription**, even when people are speaking over each other!

Our microphones use cutting edge, beamforming technology to **isolate speech** and **eliminate background noises** (other apps cannot do this and can't pick up speech in a noisy environment)

Each person in the conversation **has a different colour** for their subtitles, this makes following the conversation a much more natural experience.

Speaksee protects your privacy! All conversations using Speaksee are entirely private (even from Speaksee) and **all your data is encrypted** giving you peace of mind regardless of what you are discussing. Other apps can't guarantee your privacy and security and most even use your conversations to improve their services!



Using Speaksee in the workplace

Many customers have purchased Speaksee to support them at work with their colleagues, customers, and suppliers.



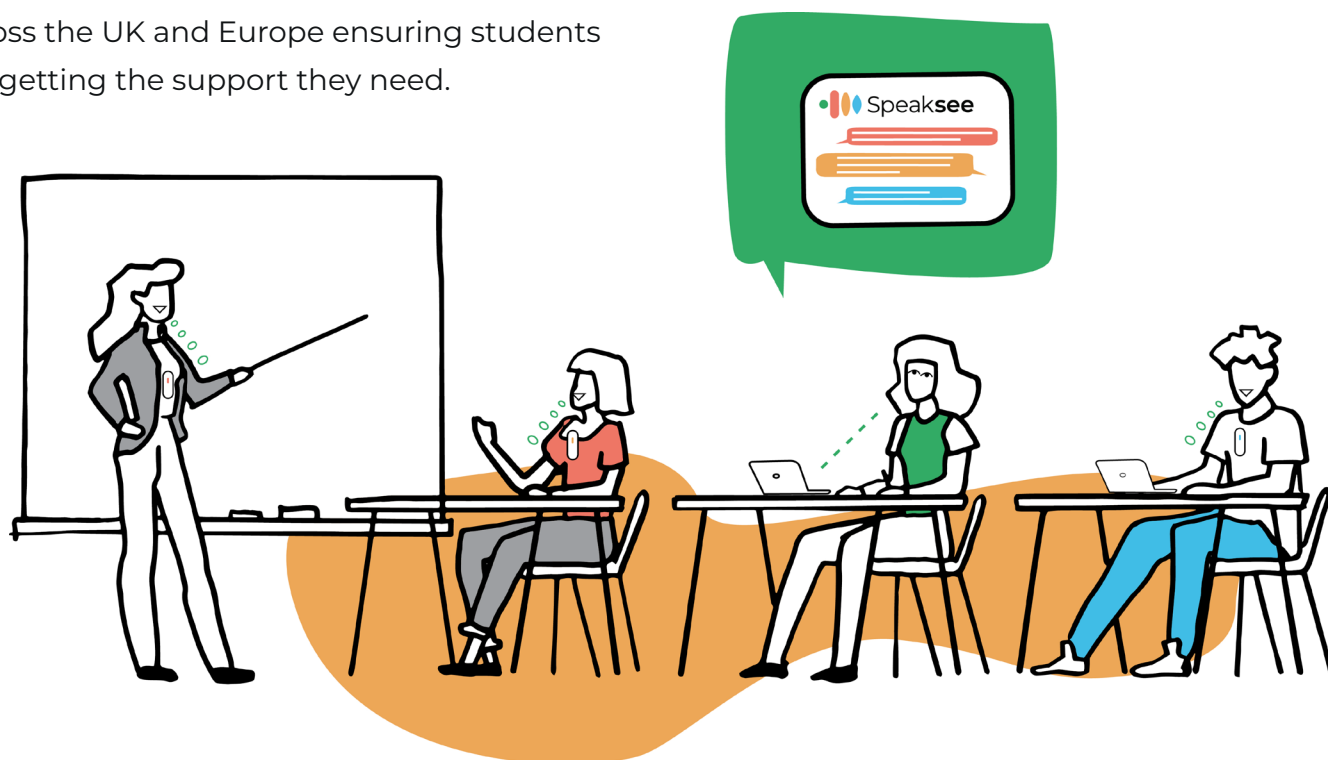
When can Speaksee support an employee's needs

- Use Speaksee in any large **group presentations** to generate **fast subtitles** and easily follow the dialogue
- All data is **fully encrypted** and accessible only to the user ensuring Speaksee can be used in conversations with sensitive or **confidential** content
- Speaksee can support in weekly **team meetings** or **board meetings**
- Use Speaksee in ad-hoc or **last-minute meetings**, when an interpreter cannot help
- Speaksee is **entirely portable** and can easily support team **building activities** or **offsite meetings**
- Speaksee can **save any transcriptions** into a text file allowing people to focus on the conversation without having to look away to take notes
- Speaksee will make **social situations** at work far more accessible particularly when going for lunch with colleagues or even to the pub after work!
- Use Speaksee in **one-to-one meetings** with the manager or direct reports
- AutoCaption can create subtitles for important **online content** like Health & Safety briefings, training videos or company updates
- AutoCaption is compatible with **all video conferencing platforms** and will provide accurate subtitles for any video calls both internal and external to your organisation



Using Speaksee in education

Speaksee is being used in Universities across the UK and Europe ensuring students are getting the support they need.



When can Speaksee support Student needs

- Use Speaksee in any **lecture hall** to generate subtitles to follow the presentation
- Speaksee can support in **tutor groups** with students and teachers
- Speaksee can support in the **classroom** during lessons
- AutoCaption can support access to **online learning content, video calls or podcasts**
- Speaksee can support **study groups** with other students at the library or student union
- Use Speaksee to **save all useful transcription** for easy-to-use note taking
- Use Speaksee to fully engage with important **house meetings** with fellow housemates
- Speaksee will make **social situations** far more accessible at the coffee shop or pub
- Take Speaksee to **student council meetings** or fund-raising events
- Use Speaksee when in **one-to-one meetings** with tutors or in viva reviews

Using Speaksee in personal situations

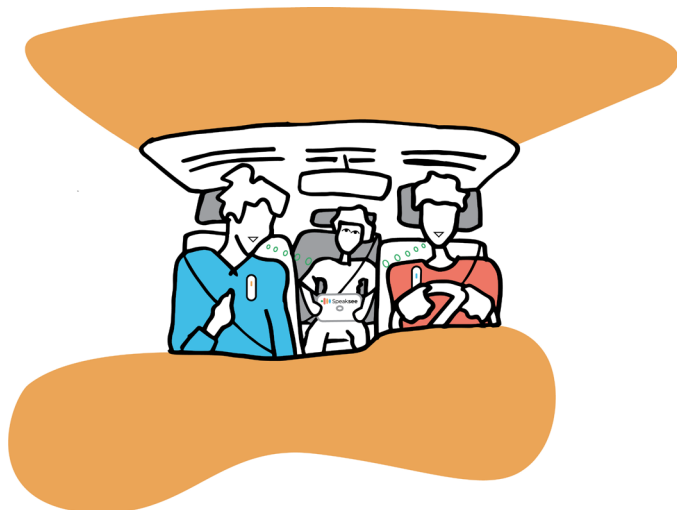
Speaksee is already helping people in their personal lives, providing important support at social gatherings but also in medical and financial meetings that are so important in modern life.



Restaurants or other social gatherings!



Doctor's appointments



In the car with family, or even in a taxi or Uber



Product benefits

Fast and accurate subtitles

- **Live transcriptions** as fast as you can read them! Subtitles are displayed alongside the audio with very little lag time. This ensures the user can be confident of being completely in step with the topics being discussed.
- Cutting edge microphone technology generates subtitles with **95% accuracy** under test conditions.

Use it in any situation

- **Background noise** is eliminated allowing Speaksee to support even in the loudest environments
- **Elegant and durable product design** ideal for both professional and social situations.

Use it in group conversations

- The microphone system can support **large conversations** with up to 9 participants making large group conversations much more accessible.
- Each person in the conversation is displayed with **a different colour** for their subtitles, this makes for a more natural feel to understanding the dialogue and is easier to follow for the user.

Use it anywhere

- Speaksee is **entirely portable** when connected to the cloud via a mobile phone or MiFi router.
- The docking unit **stores and recharges** all microphones to make sure subtitles are ready to go whenever needed.

Use it with anyone

- Speaksee **recognises accents** from all over the UK including people speaking English as a second language.
- Speech can be translated to over **40 different languages** on the Speaksee app. Each microphone can be set for a different input language and output subtitle language allowing for multi directional translation in the same conversation.

Use it anytime

- No more booking in advance for an interpreter or speech-to-text-reporter, Speaksee is **always ready**!
- The microphone kit and Speaksee app are very **easy to use** and can be switched on and generating subtitles within 60 seconds.

Use it with any device

- The Speaksee app is available across a **wide range of devices**, including smart phones, tablets, PCs and laptops.
- For iOS and Android phones, the app can be downloaded using Apple Store or Google Play.
- For desktops and laptops, subtitles can be accessed using a standard web-browser including Microsoft Edge, Mozilla Firefox, Google Chrome and Apple Safari.

Use it with confidence

- **World class support team** on standby to help with product set-up, training and any technical issues.
- All data is **encrypted** immediately by the docking unit giving confidence to the user that all conversations are secure and private.

Reliable note taking

- **Transcriptions can be saved** immediately into a text file, ideal for note taking, allowing the user to focus entirely on following the conversation instead.

Accessibility

- The Speaksee app provides **multiple accessibility options** to support individuals with vision impairment.