interprenet™

Wi-Fi & Ethernet for In-Person Events

Our Guide to Optimize Your Event's Multilingual Experience

When planning an in-person event that includes interpretation and/or multilingual captioning, event planners need to ensure that the venue has a reliable Wi-Fi network so that attendees can listen to the interpretation or receive live captions via our mobile app on their smartphones.

Ethernet is needed to ensure adequate bandwidth for uploading floor audio, video, and live slides to remote interpreters, as well as for streaming interpreter audio to attendees when listening via traditional headset receivers.

Use this guide to verify that the Wi-Fi and Ethernet at the conference venue are reliable, fast, and ready to meet your event's needs.

Wi-Fi

Bandwidth Requirements for Wi-Fi

- Listening via Mobile App: The minimum amount of bandwidth provided per user should be 0.5Mbps downstream to listen to the live interpretation.

Ethernet

Bandwidth Requirements for Ethernet

- Listening via Headset Receivers (using an Audience kit): The minimum amount of bandwidth provided should be 2Mbps downstream <u>per</u> required language. Our tech experts recommend 8Mbps downstream to be safe.
- Transmitting Floor Audio to Interpreters (using a Source/Speaker kit): 16 Mbps upload/download is recommended. At minimum, 8 Mbps <u>per</u> source video of a camera video or PPT slides.

interprenet™

Wi-Fi & Ethernet for In-Person Events

Our Guide to Optimize Your Event's Multilingual Experience

Questions to ask the venue manager:

- Can the venue offer a dedicated Wi-Fi network for my event? This is recommended!
- What is the Wi-Fi network speed? Is it sufficient for our estimated number of users?
- Is there an onsite AV or technical support team to help configure and troubleshoot any Wi-Fi-related issues?
- Do you have an Ethernet cable to plug in a Source/Speaker kit?
- What is the Ethernet bandwidth?
- What measures does the venue have in place to prevent unauthorized access or data breaches?
- Are there any restrictions on the types of applications or services that can be used on the Wi-Fi network?

Definitions:

Audience Kit (A kit): The laptops and interface hardware devices which capture interpretation onsite and send to listener headsets are called A kits. They MUST be connected to the Ethernet.

Bandwidth: The amount of data that can be transmitted (upload) or received (download) per second measured in Megabits per second (Mbps).

Ethernet: The traditional technology for connecting devices in a wired local area network (LAN) or wide area network (WAN). It enables devices to communicate with each other via a protocol, which is a set of rules or common network language.

Mbps: Megabits per second

Source or Speaker Kit (S kit): The laptops and interface hardware devices which capture the meeting on-site and send the audio to the language platform are called S kits. They MUST be connected to the Ethernet.

Wi-Fi: The technology that distributes the Bandwidth around a venue to wireless devices like laptops, computers, smartphones, and tablets.