
Transcribing with ListenTALK

Overview:

The purpose of this tech note is to describe the process of transcribing speech in real-time with the ListenTALK system. In this application, transcription is considered a written catalog of spoken word that can be presented to a user's smartphone. This can be used to either keep a written record and/or allow a user to both see and hear a conversation taking place to further enhance the experience of using ListenTALK for their communication needs.

Important Notes:

Although smartphone transcription apps are a great way to support communication, they are not 100% accurate. Some transcription apps are advertised to be about 85% accurate. Some of these apps may include a paid premium service to increase the accuracy of the transcription which may be needed or desired for some individuals.

In the scenarios that are described later in this tech note, it is important for the ListenTALK receiver unit to deliver an optimal volume level to be accurately picked up by the transcription app. When testing at a relatively normal speaking level from the leader unit, the receiver unit should never go past 80% volume level. This may vary based on the individual that is currently speaking from the leader unit (e.g. if the individual has a louder or softer voice). Most speaking volume levels can be picked up well, so the volume level should rarely be adjusted.

Units that are transcribing audio may only act as a receiver. They are not able to participate in talkback modes to speak to other individuals in the group.

Transcription Only:

There are scenarios where a user may only need or want to exclusively use audio transcription. This option is greatly desired by individuals that are nearly or completely deaf. In this instance, auditory speech becomes irrelevant and written communication is needed to participate in a conversation.

Moreover, this may be used by individuals or venues that would like to keep a written record of a conversation. Most transcription apps will allow the user to save the transcription to their smartphone. Some examples include students recording a classroom lecture or companies using it for training purposes when conducting tours.

Required Products:

- ListenTALK Transceiver / leader unit (LK-1)
- ListenTALK Receiver / participant unit (LK-1, LKR-11, or LKR-12)
- [LA-449](#) Smartphone Cable
- Transcription app installed to smartphone
- Compatible smartphone
 - Must have a 3.5mm TRRS microphone input connector. If there is no 3.5mm input connector, the manufacturer may provide an adapter.



Lightning to 3.5mm Headphone Jack Adapter
(Most Apple Devices)



USB Type-C to 3.5mm Headphone Jack Adapter
(Android Devices and Few Apple devices)

Device Interconnection:

Detailed below is a diagram and steps to ensure the proper connection to use transcription services.

1. Connect the receiver unit (LK-1, LKR-11, or LKR-12) to the smartphone with the LA-449 smartphone cable
2. Open the preferred transcription app on the smartphone
 - a. Ensure that the app is using the headset input in lieu of the built-in microphone
3. Adjust the volume level on the receiver unit, if necessary (no higher than 80%)



Transcription and Participant Audio:

An individual can transcribe and hear audio simultaneously. In other words, they can both hear and see the conversation. This may be needed to enhance learning and understanding, possibly by hard of hearing individuals that need the additional transcription or by individuals that may primarily speak a different language than the audio presented.

Required Products:

- All items listed in the Transcription Only section above
- 3.5mm TRS Audio Splitter
- Headphones / ear speaker

Device Interconnection:

Detailed below is a diagram and steps to ensure the proper connection to use transcription and listening services.

1. Connect the 3.5mm TRS Audio Splitter to the ListenTALK receiver unit (LK-1, LKR-11, or LKR-12)
2. Using the LA-449 smartphone cable, connect one of the outputs of the Audio Splitter to the smartphone
3. Connect the other unused output from the Audio Splitter to the headphones / ear speaker
4. Open the preferred transcription app on the smartphone
 - a. Ensure that the app is using the headset input in lieu of the built-in microphone
5. Adjust the volume level on the receiver unit, if necessary (no higher than 80%)



Should you have any further questions or concerns, please contact Listen Technologies' technical services team at 1-800-330-0891 or support@listentech.com for further assistance.