

LA-437 ListenTALK Line/Headset Mix Cable

Overview:

This tech note will discuss the LA-437 Line/Headset Mix Cable for the LK-1 ListenTALK Transceiver and various real-world applications. This device allows the leader of a ListenTALK group to use a secondary device (e.g. mp3 player, smartphone, etc.) to add music or sound clips to a tour. Applications for the LA-437 are not limited to the examples outlined.

Connecting to the LA-437:



Line Input Consideration:

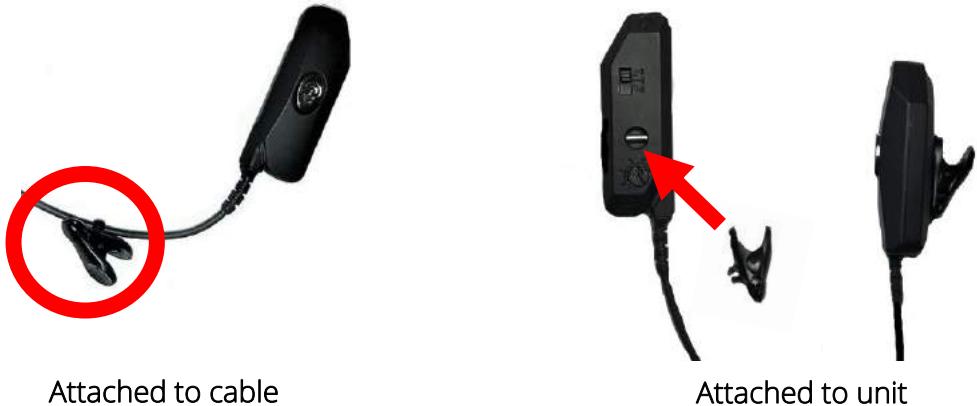
The line input on the LA-437 utilizes a TRS connection. In other words, the 3.5mm plug must have a tip-ring-sleeve design to work properly in the line input. The outline of this type of connection is diagramed below:



Most standard 3.5mm auxiliary cables will have this type of design. However, it is important to verify this connection, especially if the line input sound is missing or appears distorted.

Attachment Clip Options:

The attachment clip can either be attached to the cable or attached to the unit itself. This will allow the user to easily attach the LA-437 to a more convenient location, such as an article of clothing.



Mode Selection:

The LA-437 has 3 modes of operation:

- **Mode 1:** allows a leader to switch between their microphone or a line level audio source.
 - When the push button is pressed: only headset microphone audio will be heard by participants.
 - When the push button is released: only line level audio will be heard by all users.
- **Mode 2:** allows a leader to switch between a line level audio input or a mix of their microphone with reduced line level audio.
 - When the push button is pressed: headset microphone is enabled and heard by participants with a mix of reduced line level audio for all users.
 - When the push button is released: only line level audio will be heard by all users.
- **Mode 3:** allows a leader to switch between their microphone or a mix of their microphone with reduced line level audio input.
 - When the push button is pressed: only headset microphone audio will be heard by participants.
 - When the push button is released: headset microphone is enabled and heard by participants with a mix of reduced line level audio for all users.

push button



mode slide switch



Note: The mode selection switch can be found on the opposite side of the push button. By default, mode selection will be toggled to Mode 1.

Adjusting the Reduced Line Level Audio Mix:

The line level audio mix allows the leader to adjust the volume for the line level audio source. This only works in the modes when microphone and line level sources are mixed. Turning the dial clockwise increases the level while counterclockwise decreases the level.

audio mix control



Note: The line level audio mix control is located on the back side of the unit next to the mode selection switch.

Mode 1 Applications:

Since the microphone audio and the line level audio are never mixed in this mode, this is ideal for a presenter that needs the undivided attention of a group. Typically, the line input would be other speech clips. A tour would benefit from this mode because the tour leader wouldn't want a speech clip to interrupt or speak over him or her.

- **Museum tours** – Bring your exhibits to life by using line level audio to play sound clips. Some examples include speeches from famous historical figures or sound clips of a displayed attraction.
- **Self-guided tours** – The leader may act as a chaperone to the group and lead them through a pre-recorded tour. The option to switch over to the microphone can then be used to give further information or field questions.

Mode 2 Applications:

This mode is ideal for tours that want to have uninterrupted music or pre-recorded audio clips. A tour leader can choose to only play line level audio when leading a tour or have the option of mixing in microphone with line level audio to talk to participants.

- **Vehicle / Hiking tours** – Whether it be a leisurely Segway ride through a tropical paradise, an intense bike ride through a national park, or a hike through the mountains, uninterrupted music may accompany a tour to give participants time to enjoy their experience. Breaks in the tour can give a leader an opportunity to talk about their surroundings or provide some additional information while keeping the same mood with background audio.

Mode 3 Applications:

This mode is ideal for tours or classes that need to have constant microphone audio delivered to participants. The leader also has the option to mix in line level audio while still being able to provide information or instructions.

- **Exercise Classes** – Mixing in music for exercise classes can get patrons more energized on their bike workouts or creating a more soothing feeling for their yoga stretches while an instructor can still provide directions. The option to switch to microphone input only will help instructors give guidance without distractions.

Should you have any further questions or concerns, please contact Listen Technologies' technical services team at 801.233.8992 or support@listentech.com for further assistance.