

LT-800/803 & LT-82 Audio Ducking

Overview

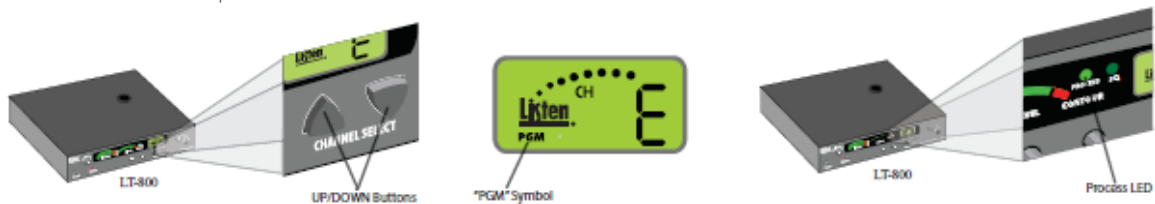
The purpose of this document is to provide insight into applications where music is commonly playing within a space and needs to be reduced in level when a page or other audio becomes active in that space. This type of application can be supported with the Process feature activated on the LT-800, LT-803 or LT-82 Stationary Transmitters. The transmitter is setup to allow the reduction (ducking) of audio of one input when a second audio input is introduced.

Note: For this feature to occur, both inputs on the transmitter must be utilized.

The following setup will allow for audio ducking using an LT-800 transmitter that is broadcasting music or other continuous signal. When a page audio, using a live microphone, becomes active, the music level will be reduced (ducked).

Setup:

1. Turn On the audio processor (Process) by pressing the DOWN button on the LT-800 for 8 seconds. The "PGM" symbol will appear on the bottom of the LCD. To toggle process on/off, use the UP button. The green LED will be illuminated when process is active.



2. Using the "Input 1/2" audio knob on the front left of the transmitter, adjust the level of the page audio while speaking into the microphone so that the level on the left Input Levels meter is consistently in the red LED's. (The transmitter has a built in peak limiter which will prevent clipping of the audio, so no audio distortion will be heard with this setup.)



3. Now with the microphone turned Off or not active, adjust the music player's volume so that the level on the left "Input Levels" meter is hitting 1/2 to 3/4 of the green LED's (No red LED's).



Note: The audio level of the music can be finely tuned, however, this adjustment should be done using the music player's volume so that the page audio level is maintained. The overall level will be adjusted in the following steps.

4. Through the headphone jack, as you speak into the microphone (page audio), you will hear the music duck in level in comparison to the page audio. The page audio is much louder than the music audio and thus the processor has to take gain out and therefore reduces (ducks) the music audio. When the page audio is not present, the audio processor within the transmitter must add gain to the music audio because it is not loud enough.

If the ducking of the music is not enough or too much, adjust the music audio via the Input 1/2 audio knob.

Note: Ducking levels will vary depending on input types and levels used.

5. Now adjust the overall level of both signals using the Mix Level knob. Level should be adjusted to show consistent green LED's with an occasional flickering in the red LED's.

Should you have additional questions or require further assistance, please contact Listen Technologies at support@listentech.com or by calling 1-800-330-0891.