

# Wireless Microphones

There are 8 wireless microphones available. They are labeled A through H on the soundboard. The microphones are of two types; Audio Technica 3000 Series and the GTD Audio G-787HL UHF system.



The GTD Audio G-787HL UHF system (A through D) includes two hand held mics and two body packs that can be used with either a head set or lavalier mic.



The Audio Technica system (E through H) includes four receivers, four hand held mics and four body packs. Either a hand held or body pack can be used for each input, but both a body pack and hand held cannot be used with the same channel at the same time.



Before using a wireless microphone, check the battery charge indicator (horizontal dashes) in the receiver display. If the battery shows 1 or 2 bars, replace the batteries before using the microphone.

The audio-technica wireless hand held microphone has a power/mute switch on the end of the microphone. This switch must be held on for a couple of seconds to turn on the microphone power.

When the microphone power is on, a red or green light will appear near the microphone LCD display and the receiver display will show a line of bars representing the battery charge state. A green light will appear when the mic is on and not muted. A red light will appear when the mic is on and muted.



If an audio-technica hand held mic or body pack is off or muted, a red alert light will appear on the receiver.





Wait a couple of minutes after turning on the mic before checking the battery charge. It takes a while for the system to recover from the initial surge reading.

### A note about feedback.

Feedback usually occurs when a microphone is picking up sound from a speaker. When the wireless microphones are in use they can be moved near one of the ceiling speakers. If the gain or volume is set too high, feedback may occur. If a wireless microphone is being used for audience questions, the sound board operator should closely monitor volume and mute the mic when it is not in use. It will be noticed that when a wireless mic is near the ceiling speakers, some echoing may be detected.

**WARNING:** Putting your hand over a microphone will not stop feedback. In fact it will cause feedback.

### Wireless Receivers

A power strip in the rack above the wireless receivers has a labeled switch for each receiver. Unless someone has turned off the switch on an individual receiver, only the power strip switch need be used.

The receiver and microphone must be both set to the same frequency. Unless someone has messed with the frequency setting, the numbers displayed in both the microphone and receiver displays will be the same.



**NOTE:** Always inform the user that they should NOT turn the microphone on or off. Tell them that the microphone volume will be adjusted in the control booth so that when the microphone is not in use it will not transmit stray sounds.

### Audio-technica Lavalier and Head Set

The audio-technica microphone system has a remote transmitter pack that can have either a lavalier or a head set microphone attached.

- To attach either the lavalier or head-set, grasp the cord by the black section near the end of the cord. Insert the cord into the transmitter connector and rotate it until the cord snaps in place. To remove the cord, grasp the silver ring near the end of the cord and pull gently.
- The audio-technica remote transmitter has a power/mute switch that is behind a sliding cover on the unit. The switch must be held down until the power comes on.



When the power on the remote transmitter is on, the receiver display will show a line of bars representing the battery charge state.

The receiver and transmitter must be both set to the same frequency. Unless someone has messed with the frequency setting, the numbers displayed in both the microphone and receiver displays will be the same.



Once the microphone is on, each time the power/mute switch is pressed, the transmitter status will be toggled between on and mute. If you have really good eyes, it is possible to see the word MUTE on the transmitter LCD display when it has been toggled to mute.

- After the transmitter has been turned on, the sliding cover should be moved to protect the power/mute switch from accidental pressing.

If the transmitter is either off or on mute, a red ALERT light will appear on the receiver. (This light takes a few seconds to appear after the microphone status has changed.)

- The wireless microphone volume should be tested by having the user speak normally.

✓ Always inform the user that they should NOT turn the microphone on or off. Tell them that the microphone volume will be adjusted in the control booth so that when the microphone is not in use it will not transmit stray sounds.



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