Using a Wireless PA

**Introduction**
A Public Address system, or PA system, is used for amplifying the human voice or other audio signals. In its simplest form it will consist of a microphone, amplifier/mixer and loudspeaker. Typically, PA systems are used to allow a person to address a large public gathering. Wireless PA systems do not need a mic cable to connect the microphone to the amplifier.

**Terminology**

<table>
<thead>
<tr>
<th>Definition</th>
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<tr>
<td><strong>Amplifier</strong></td>
<td>A device used to increase the output level of a signal.</td>
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<td><strong>Receiver</strong></td>
<td>Electronic device that receives the wireless signal from the microphone.</td>
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<td><strong>Transmitter</strong></td>
<td>The wireless microphone will sometimes be referred to as a transmitter.</td>
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<td><strong>Microphone stand</strong></td>
<td>Holds a microphone providing the speaker hands free operation.</td>
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<td><strong>Feedback</strong></td>
<td>A loud pitched noise occurring when a microphone is placed too close to a speaker.</td>
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**Care & Handling**
Keep away from extreme temperatures and moisture.

Do not block heat sink.

**Get Familiar With**

<table>
<thead>
<tr>
<th>Connecting components</th>
<th>Microphone volume control</th>
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<tr>
<td>Main power switch</td>
<td>Master volume control</td>
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<td>Microphone On/off</td>
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Operating tips
Bass and treble are intended for music; they have little effect on voice.

Always stand behind the speaker when using a microphone.

Connecting the microphone before turning the power on helps reduce feedback.

If feedback occurs, move the microphone(s) further away from the speaker.

No Sound (LED not lit)
Plug in the Loudspeaker power cord & turn on the power.

No Sound (LED lit)
Check cables. Power ON the microphone. Increase volume.

Advanced Features
Connecting a stereo to the loud speaker.

Basic Operation
1. Mount the speaker on the Speaker stand and place at desired location at the front of the room directed towards the audience. An alternative to using the stand is to place the speaker on a table at the front of the room.
2. Check that the volume is at “0”.
3. Plug a microphone into the XLR input jack on the speaker/amplifier. If using a microphone stand, place the microphone in the stand.
4. Power ON the Loudspeaker/amplifier. The LED on the rear of the Loudspeaker should light.
5. Power ON the microphone.
6. Adjust the microphone volume to desired level.

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