

EON

Application Examples

The following guidelines will help you achieve optimum sound wherever you use your EON® loudspeakers:

Raise the speakers as high as possible.

For best results try to get the high frequency horn at least 2 to 4 feet above the heads of the audience. If the speakers are too low, the people in the back of the audience will not receive the best quality sound.

Place the speakers between the microphones and the audience.

Feedback occurs when the microphones pick up sound from the speakers and “feed” the sound back through the sound system. If space is limited, point the speakers away from the microphones to reduce feedback.

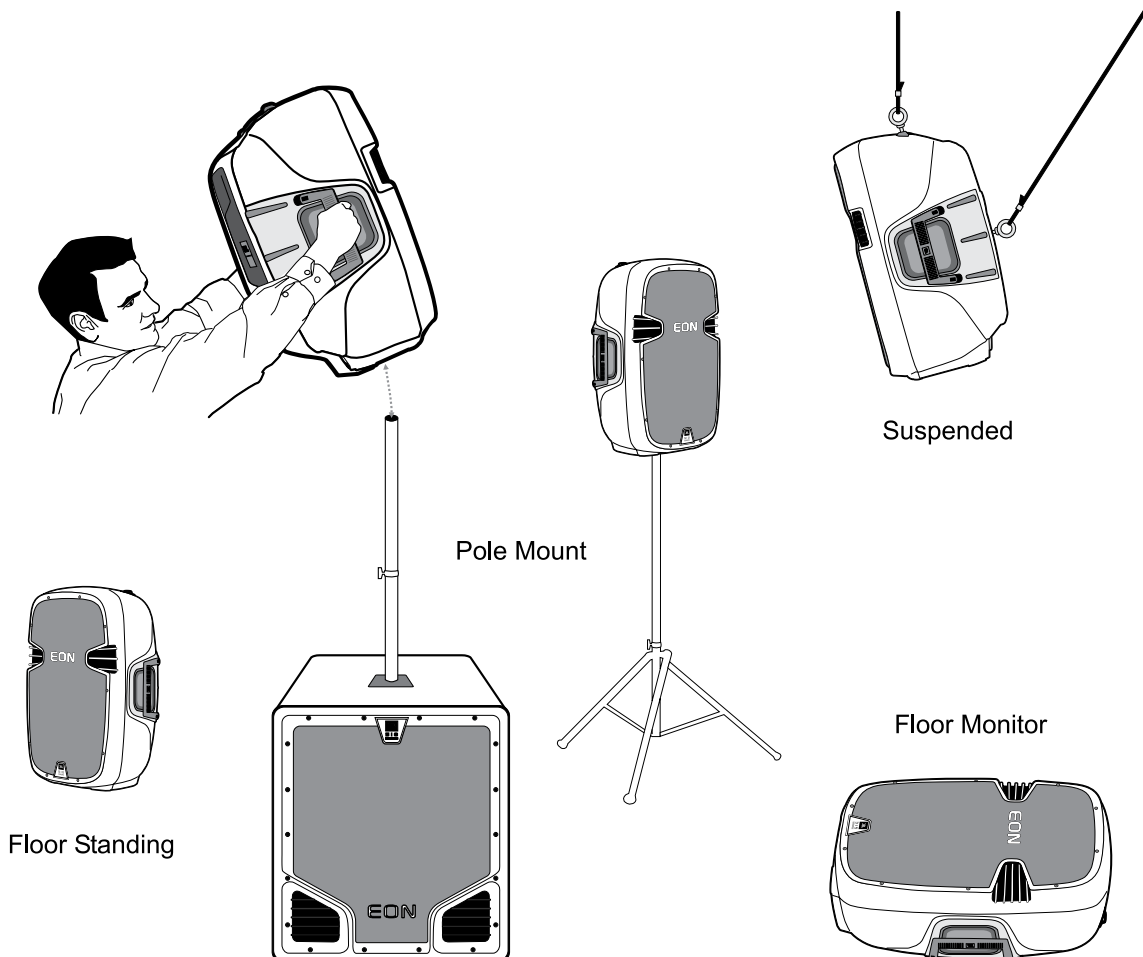
Locate the speakers away from turntables.

Low-frequency feedback occurs when the output of the speaker is picked up by the tone arm of the turntable and is re-amplified. A heavy, solid turntable base and shock mounting can also reduce this type of feedback in DJ applications.

Use more speakers in large or highly reverberant spaces.

Spreading speakers throughout these spaces will produce much better sound than trying to compensate with loudness level or equalization. For very long distances, the use of another set of speakers with time delay is recommended.

Stand speakers upright for PA - Tilt the speakers back on the side for stage monitoring. Upright stance provides even coverage over a wide area. EON speakers are also designed with two slanted positions for stage monitoring applications.



Using the suspension points

CAUTION: Suspension of EON® speakers should be done by qualified persons following safe rigging standards and practices. Unsafe mounting or overhead suspension of any heavy load can result in serious injury and equipment damage.

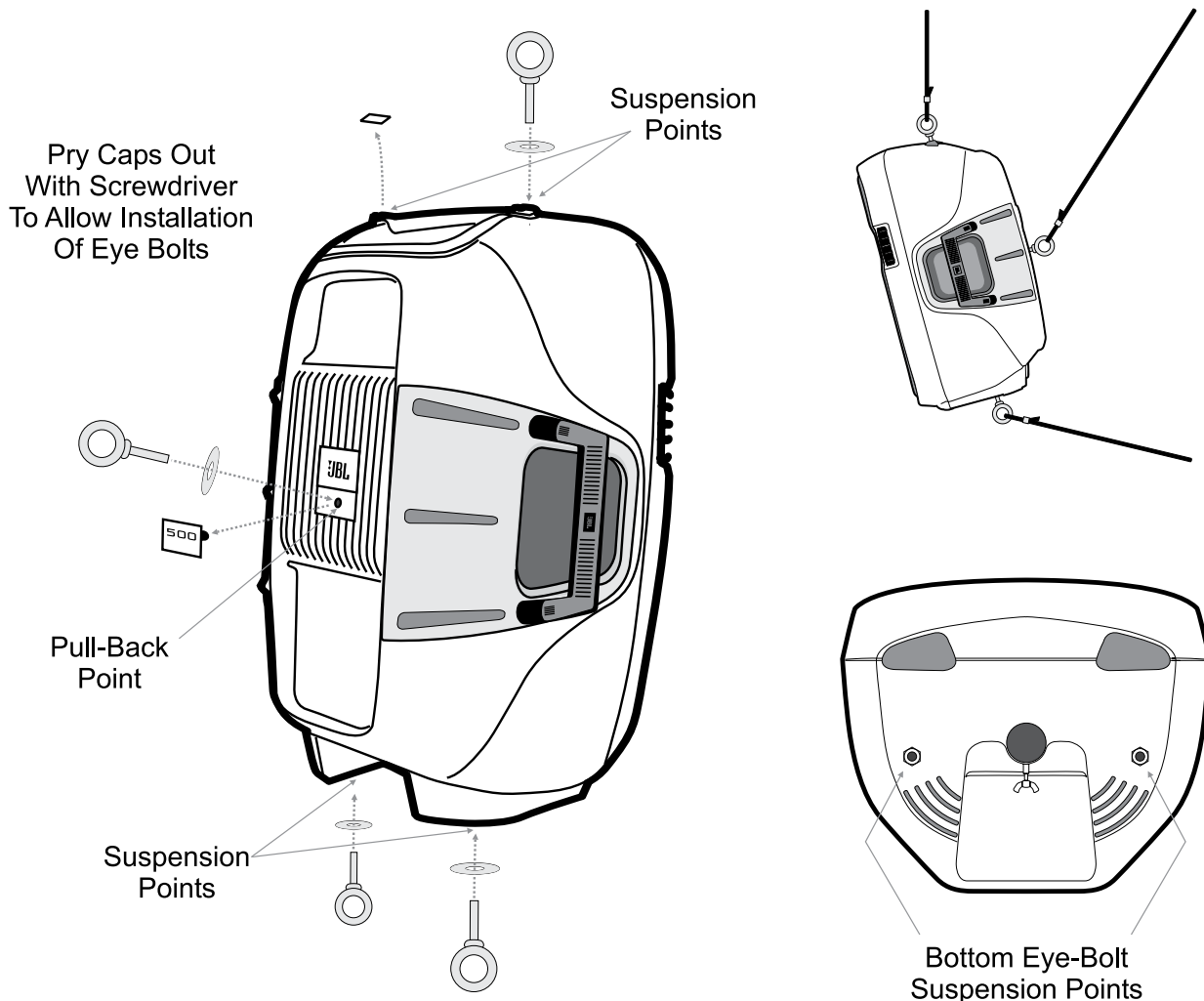
CAUTION: When suspending this product carefully follow JBL instructions and local ordinances. Do not attempt to use unless you have read and understood all instructions including the JBL User's Guide. Attachment of the loudspeaker to supporting structure should be referred to a qualified professional.

CAUTION: Do not suspend speaker from pull-back point.

Before suspending the system, inspect all components involved for cracks, deformations, corrosion and/or missing or damaged parts that could reduce strength and safety of the installation.

1. Remove suspension point caps
2. Insert load rated shoulder eyebolt with washer and tighten appropriately

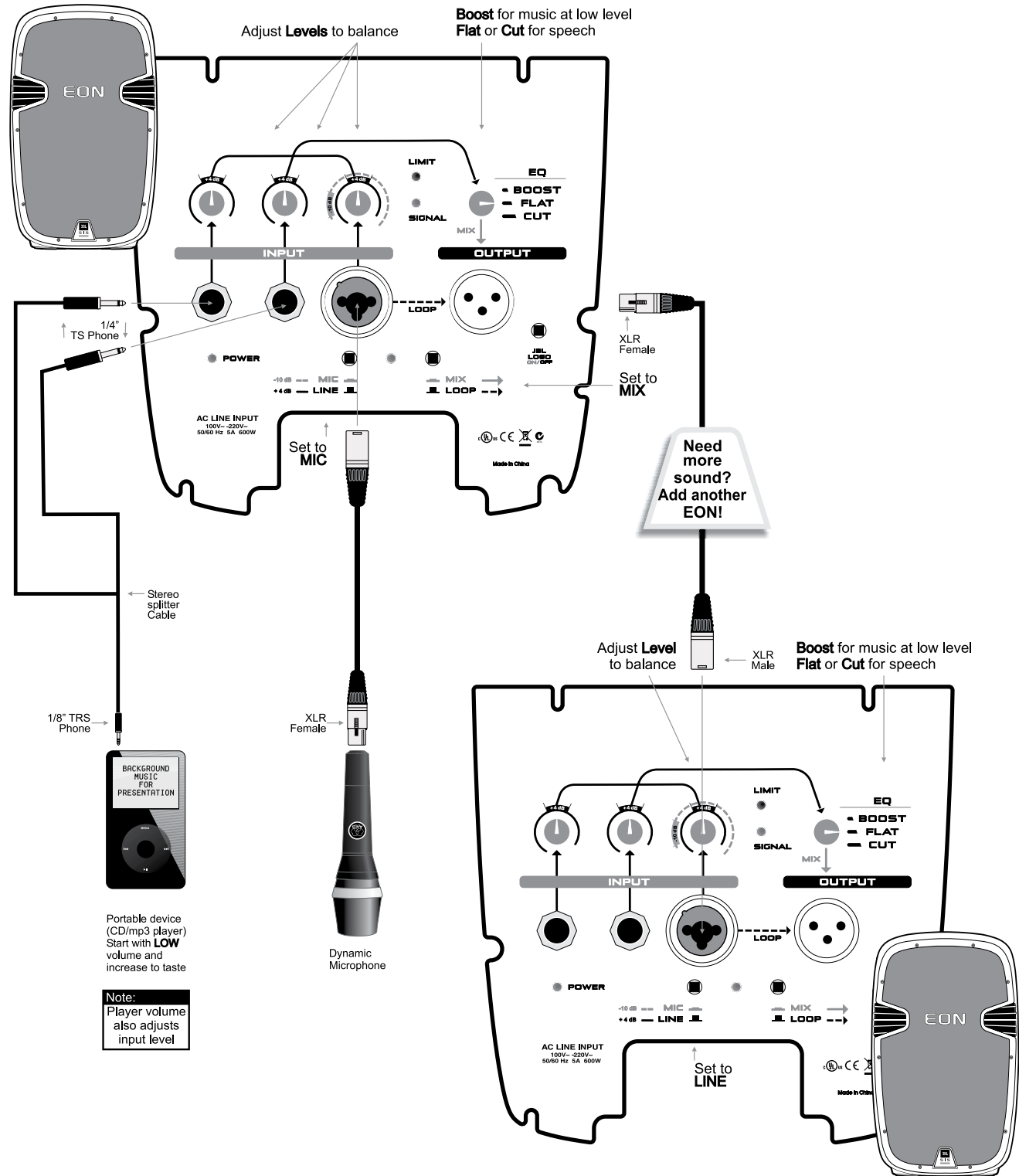
Never suspend more than one EON system from it's suspension points.



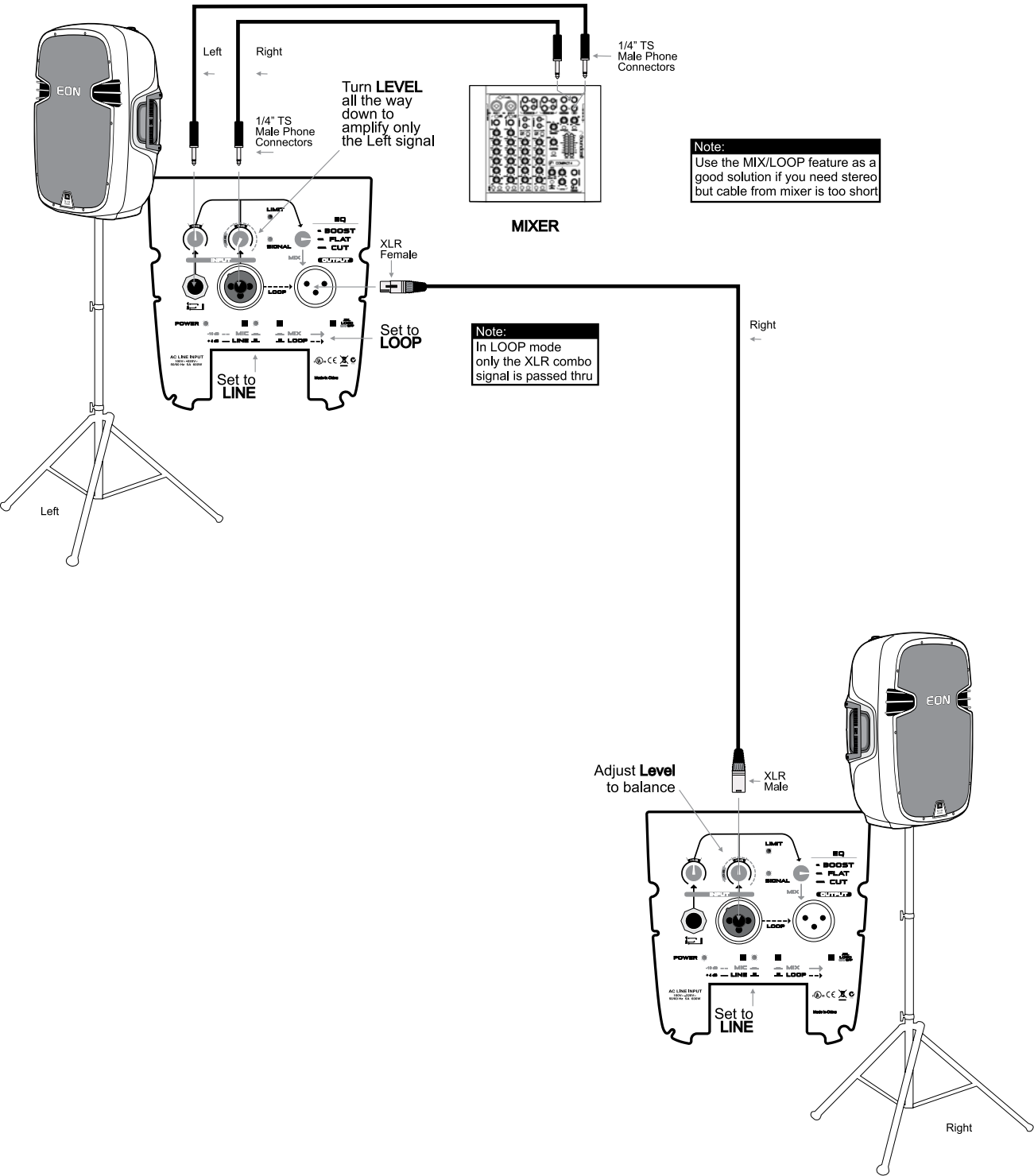
Simple PA Using Built-In Mixer



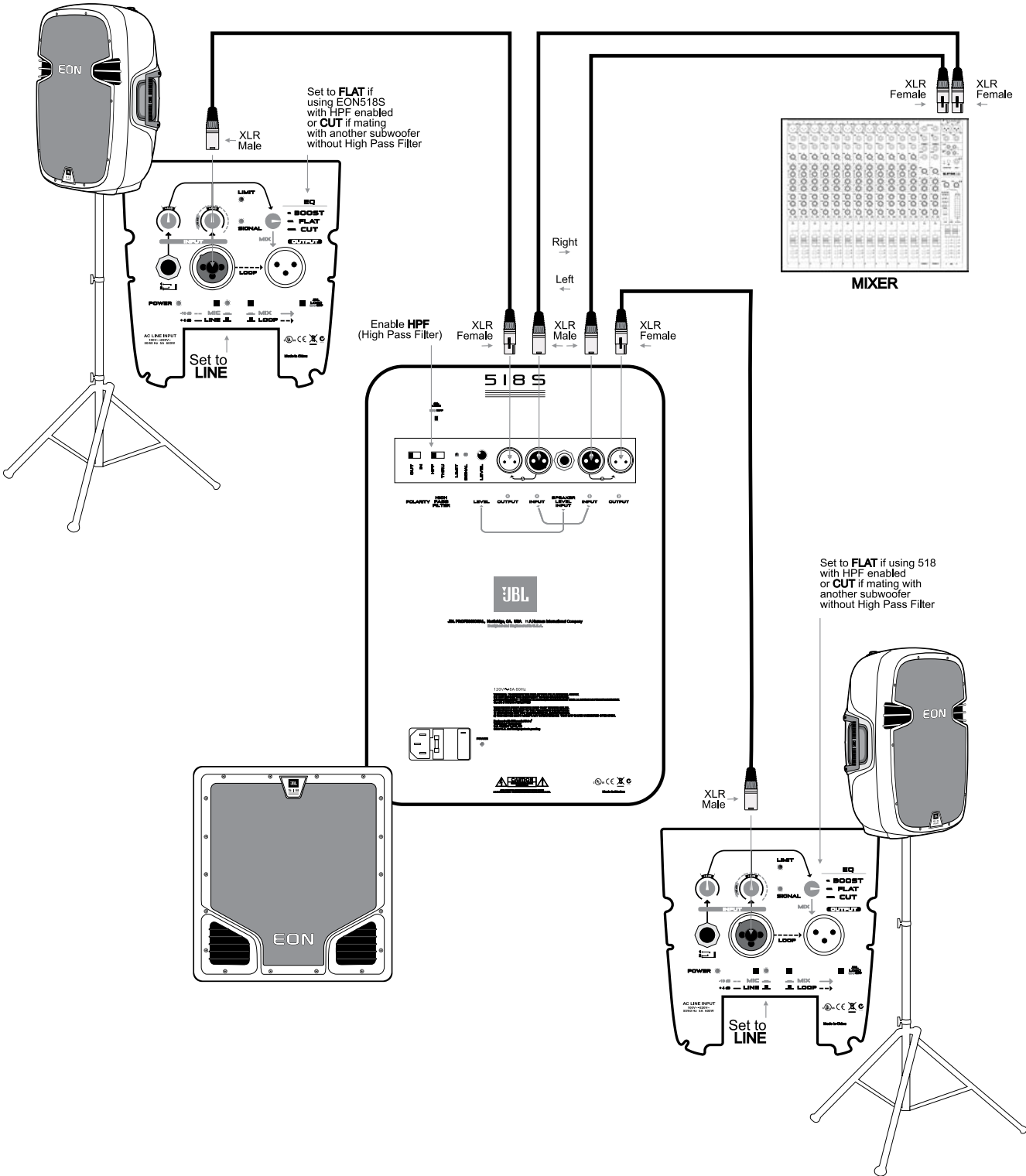
Using the Mix/Loop function



Small PA Using External Mixer



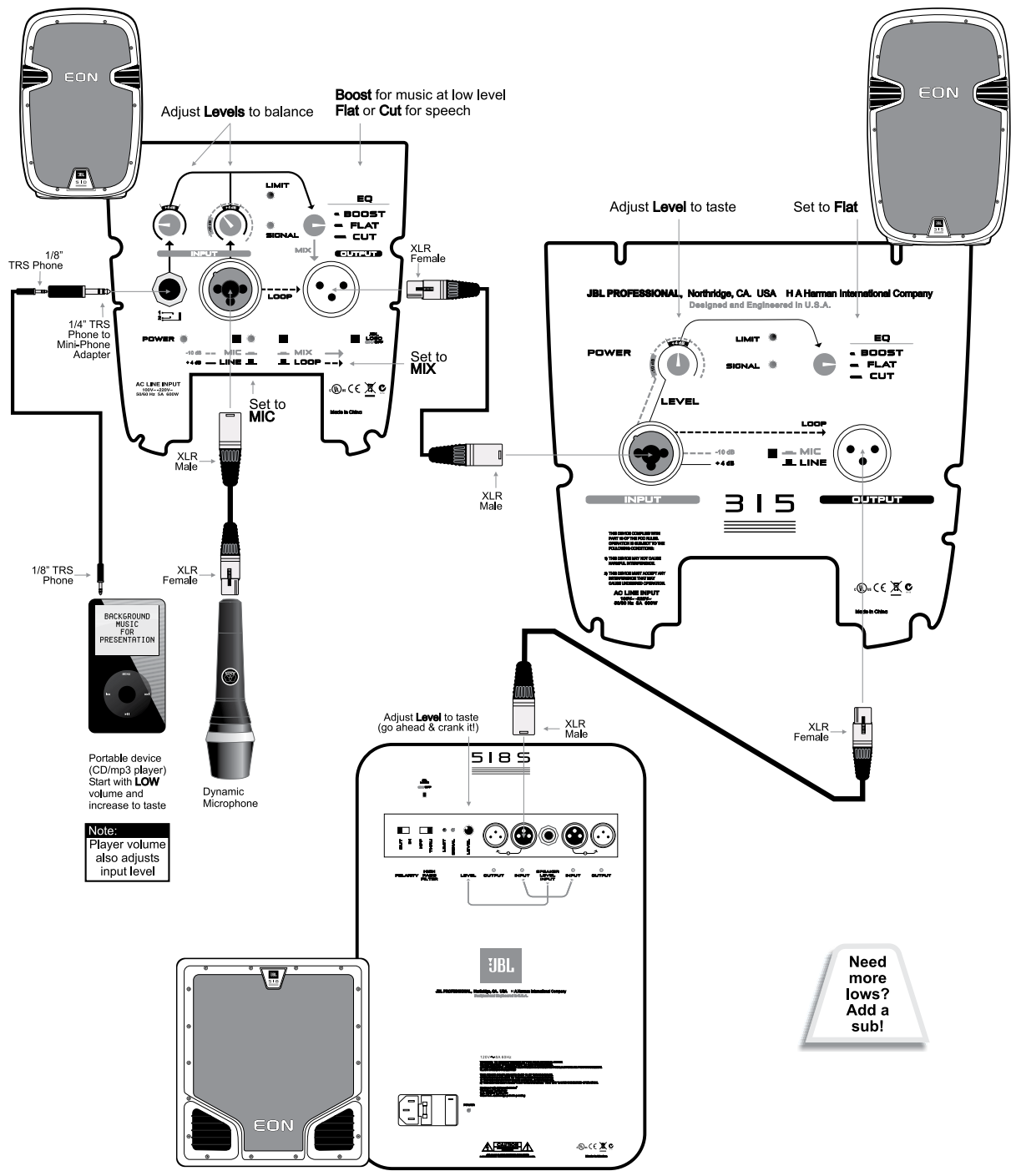
Simple PA Using External Mixer and Subwoofer



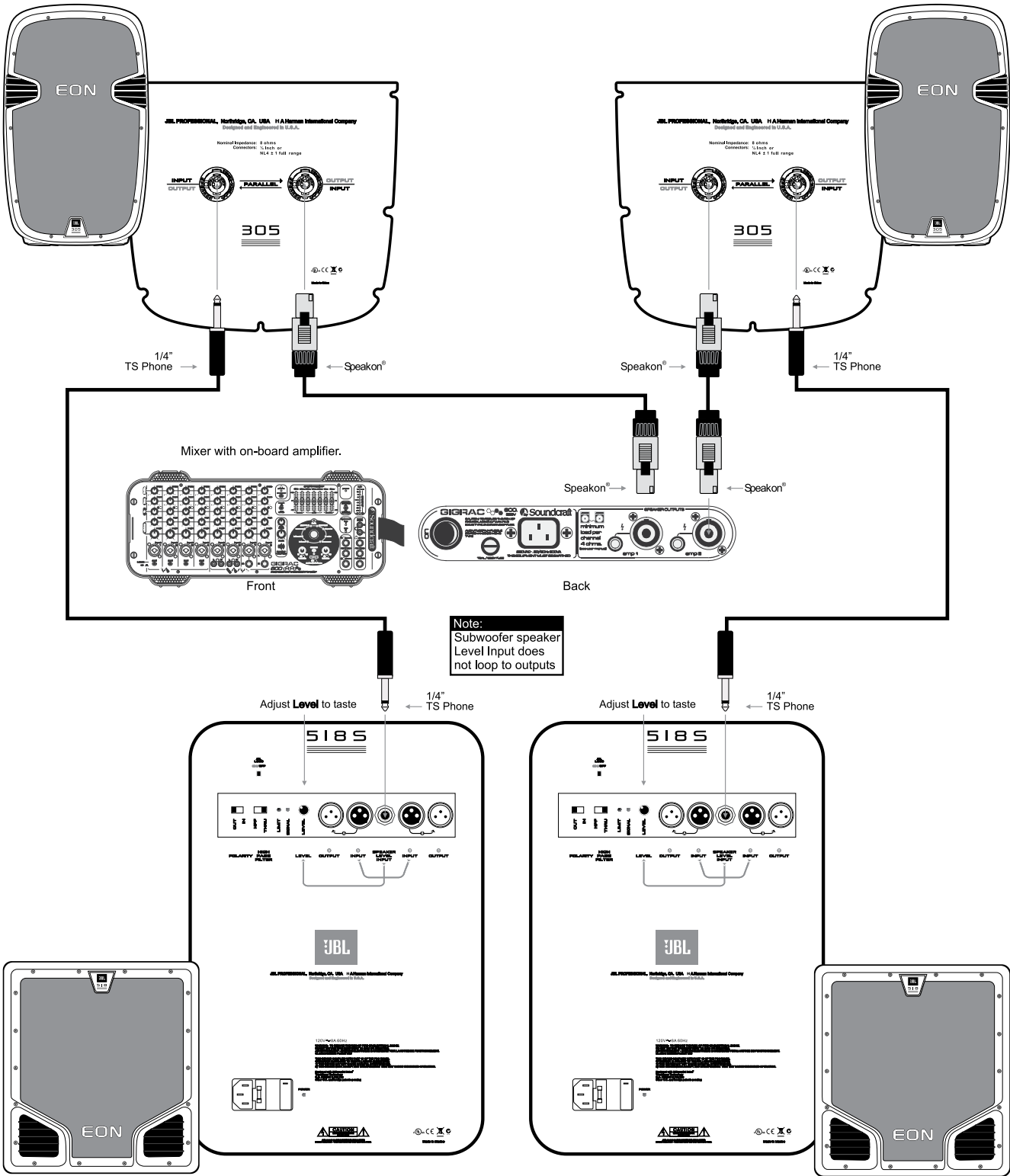
Simple PA Using Built-In Mixer And Adding More Power



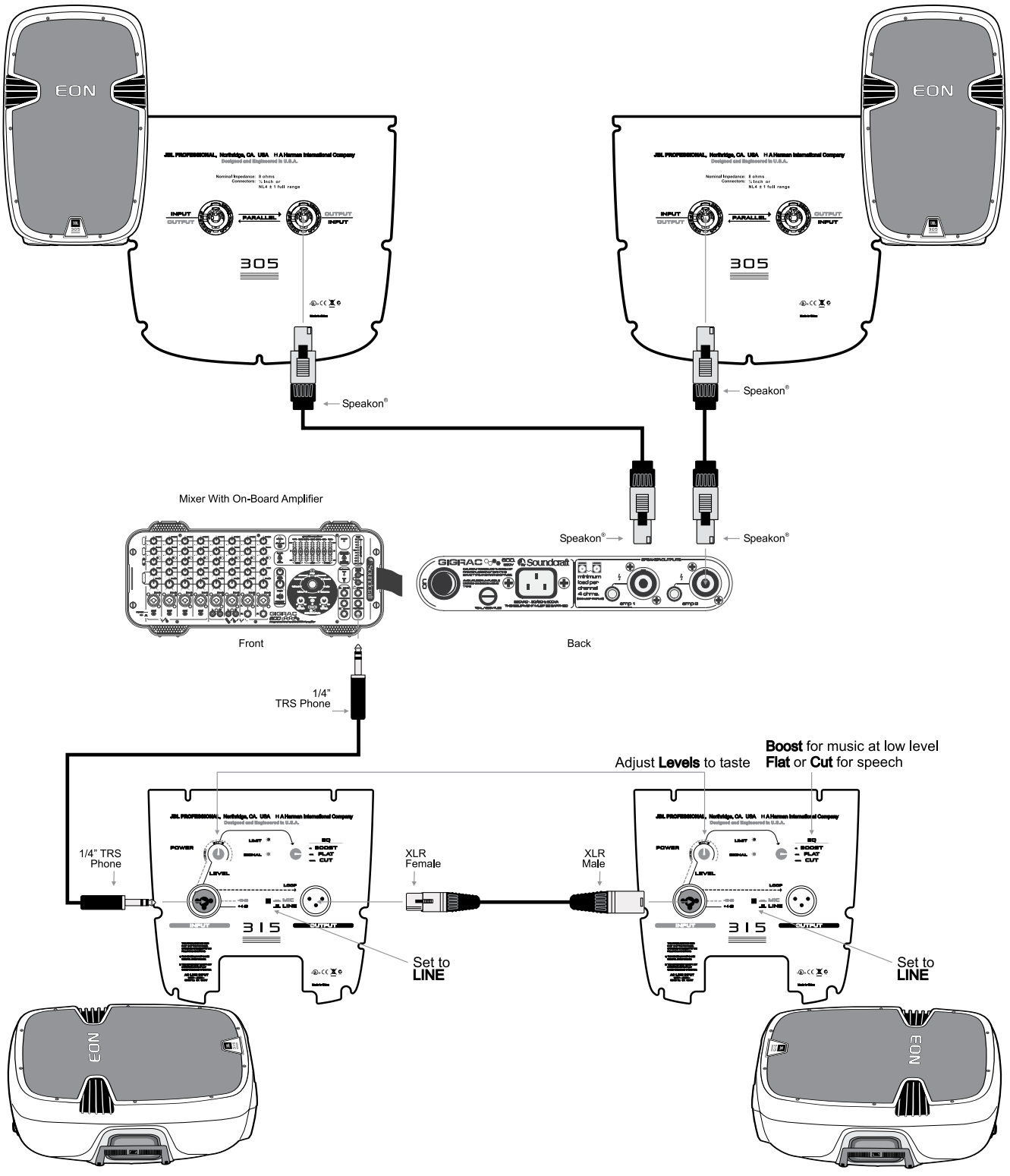
Using the Mix/Loop function



PA Using Powered Mixer And Powered Subwoofers



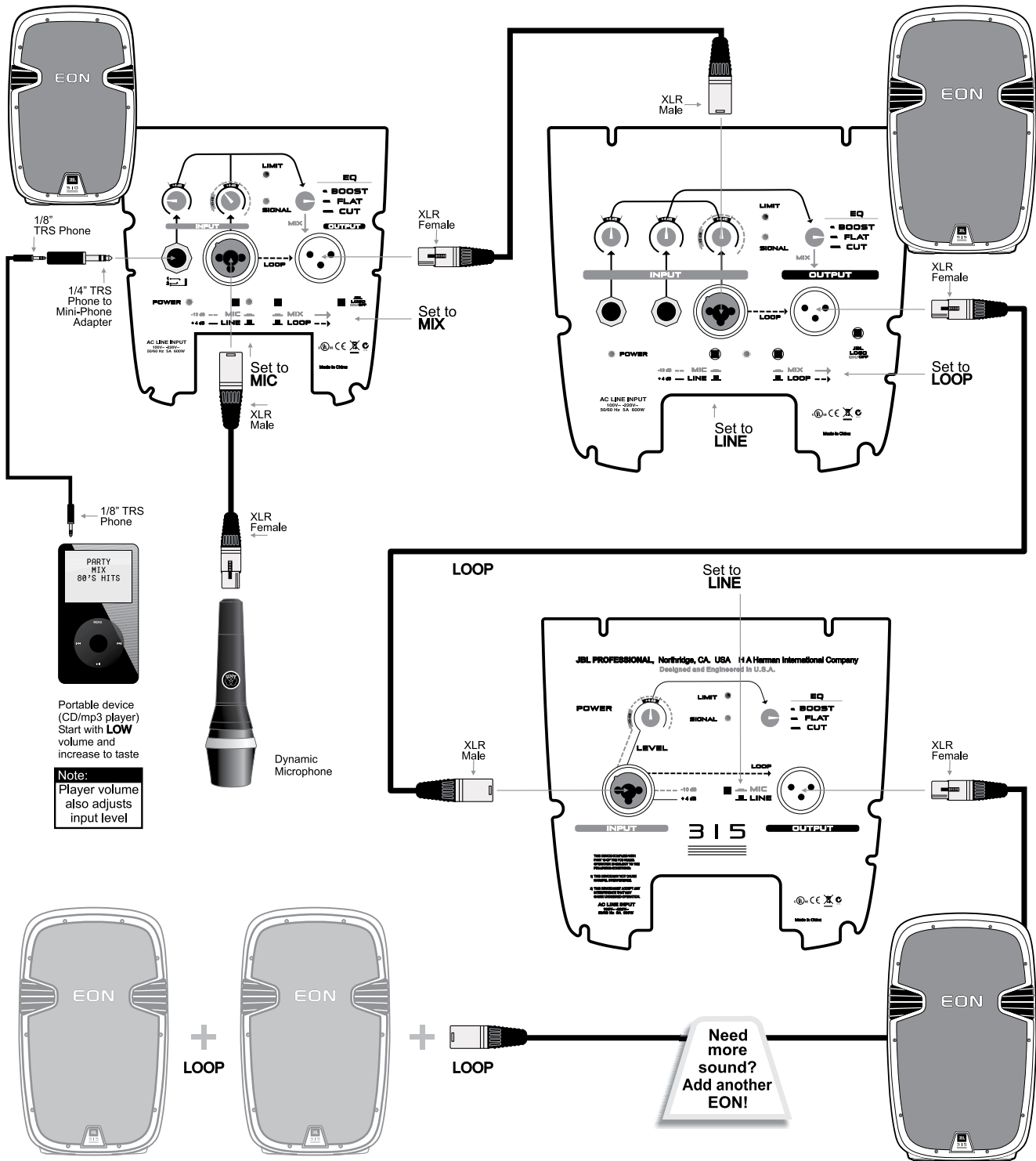
PA Using Powered Mixer And Powered Monitors



Daisy-Chaining a PA System



Using the Mix/Loop function



PA System With Powered Mains and Floor Monitors

Gigging with the built-in mixers only



Using the Mix/Loop function

