

# SYSTEM SET-UP

## How to Get the best sound in SUB Mode



### Set Up and Calibration when in SUB Mode

**Note:** For best results when setting up your system, assume your normal listening position and, if possible, have another person perform the following adjustments.

**Note:** Make sure the speakers and subwoofers are properly docked, connected and fully operational before starting the calibration procedure.

1. Set the Bass Level Control to its Zero position. Set the Bass Range Control to 50Hz. Set the loudness and bass controls on the Receiver, Preamplifier or Processor to their "flat" positions.
2. Play a familiar piece of music or video soundtrack that has substantial bass content.
3. Gradually turn the Bass Level Control clockwise until you achieve a neutral balance between the subwoofer's deep bass output and your main speakers.
4. Slowly turn the Bass Range Control clockwise to reach the best mid-bass with the main speakers. This will be the point at which bass retains solid impact and fullness. If the bass is too boomy or ill defined, you have gone too far and should turn the control counterclockwise to the best balance point. If the sound is too thin, then turn the control clockwise to the best balance point.

### Bass Level Control

This is designed to adjust the balance between your subwoofer and main speakers and should not be used as a substitute for the bass and loudness controls on your amplifier or receiver. Adjust the subwoofer's levels for the smoothest low frequency performance.

### Blend Control

This 2 position control allows perfect phase matching of the subwoofer with that of your main speakers. With a choice of 0 or 180 degrees, it compensates for the time delay difference, and the related mid-bass acoustic effects of different speaker and subwoofer locations.

Use of this control is only permitted when the "MODE" Switch is in the "SUB" Position, and should only be used when the bass frequencies seem lacking.

When two **athena** TECHNOLOGIES™ subwoofers are used, in different areas of the room, be careful that the Blend Controls are set properly. It would be best to adjust the subwoofers one at a time by turning one subwoofer off. This can be done easiest by simply lowering the "Bass Level" control. Once both are blended properly, turn both units on to ensure a consistent bass level in the entire room.