

ADJUSTING THE GAIN / LEVEL SETTING

These instructions are based on all of Audiobahns current models of amplifiers which have an input sensitivity of 8V. Please note that the older T series Intake amplifiers only have an input sensitivity of 4V and will be adjusted differently. Please call for assistance with setting up the T series amplifiers.

Below you will find information on adjusting the amplifiers gains. Adjusting the gain correctly is essential to proper operation of the amplifier. **If the gain is not adjusted properly it can and will lead to damage of the amplifier and connected speakers and will void your MANUFACTURER WARRANTY.** The gain on an amplifier is not a volume control. It is a signal level setting that tells the amplifier how strong of a signal is coming from the head unit. Your amplifier has an input sensitivity of 200mV-8V. The minimum setting is 8V and the maximum setting is 200mV. Minimum meaning the head unit or processor has an 8V output and the maximum meaning it has a 200mV output.

When using **Low-Level (RCA) inputs** you MUST know what the pre-out or line-out voltage of your head unit is rated in Volts. This is not the wattage rating. This can be found in the manual of the head unit or by contacting the manufacturer. If you are using a line-driver or another type of processor that adjusts the output voltage of the signal to the amplifier you will need to know what the output is adjusted to. The gain on the amplifier needs to be set proportionately to the pre-out or line-out voltage rating of the head unit or processor. If the signal strength is 4V then the gain would be adjusted to about 45-50%. Below is a list of commonly found voltage ratings and their appropriate gain adjustments. When adjusting the gains you want to start with the bass boost setting on the amp set to minimum and bass adjustments on the head unit or processor are set at 0 or flat. As these other settings for bass adjustments are increased, the gain setting will need to be adjusted lower.

2V ≥ 70%

4V ≥ 45%

5V ≥ 32.5

8V ≥ 5% (Bass boost must be left at minimum on the amp and 0 or flat on the head unit or processor)

10V ≥ Can not be used with this amplifier

If your amplifier includes **Hi-Level (speaker wire) inputs** and you are using them for the audio signal connection, please use the below steps to adjust the amplifier. Start with a song with good bass that you know very well.

1. Use a screwdriver to turn GAIN (8V/0.2V) fully counterclockwise to 8V.
2. Turn the auto sound system's volume control to about 3/4 of its full range. Any higher normally leads to the signal being distorted.
3. Turn up the amplifiers gain / level control until the sound begins to distort, then immediately gain / level down to a point just before where the distortion began.
4. Adjust the auto sound system's volume control to a comfortable listening level and you are good to go.

Note: The steps to adjusting the gain / level control need to be repeated when you adjust any bass boost settings on the amplifier, processors or significantly on the head unit. Adjusting bass boost settings significantly without adjusting the gain / level can lead to a distorted signal and damage to the amp and speakers.

IMPORTANT NOTE: If you should have any questions concerning the installation or settings on your amplifier or are unsure of anything discussed in this manual, please contact our Technical Support on 03 9329-8533 for help.

It is much better to take 5 minutes today to get it right then to adjust the settings incorrectly and have a problem with your amp or speakers.