



EQ901B Plus Series

User Guide

Introduction	1
1. Features	2
2. What's Included	2
3. Typical Installation Examples	2
3.1 Tape Monitor Loop Setup	2
3.2 Preamp / Power Amplifier Setup	3
3.3 Connecting a Power Subwoofer	4
4. AC Power Connection	5
5. Using the Dual Equalization Curves	5
6. Setting Input Levels	6
7. Specifications	7
8. Warranty Terms	7
Contact Deer Creek Audio	7

Introduction

The Deer Creek Audio EQ901B Plus Series is a direct replacement for existing BOSE 901 equalizers. The EQ901B Plus features dual output equalization (EQ) curves, Normal and Reduced Bass, either of which will accommodate your 901 Series and can be selected based on room size and personal preference.

The EQ901B Plus installs in your tape monitor loop, pre-out/main-in loop or between your preamp and power amp. The EQ901B Plus series is based on the miniDSP 2x4 HD digital signal processor.

1. Features

- Precision engineered BOSE 901 Series equalization
- Dual equalization curves
 - Normal mode
 - Reduced Bass mode
- Ultra low noise and distortion
- Proven reliability

2. What's Included

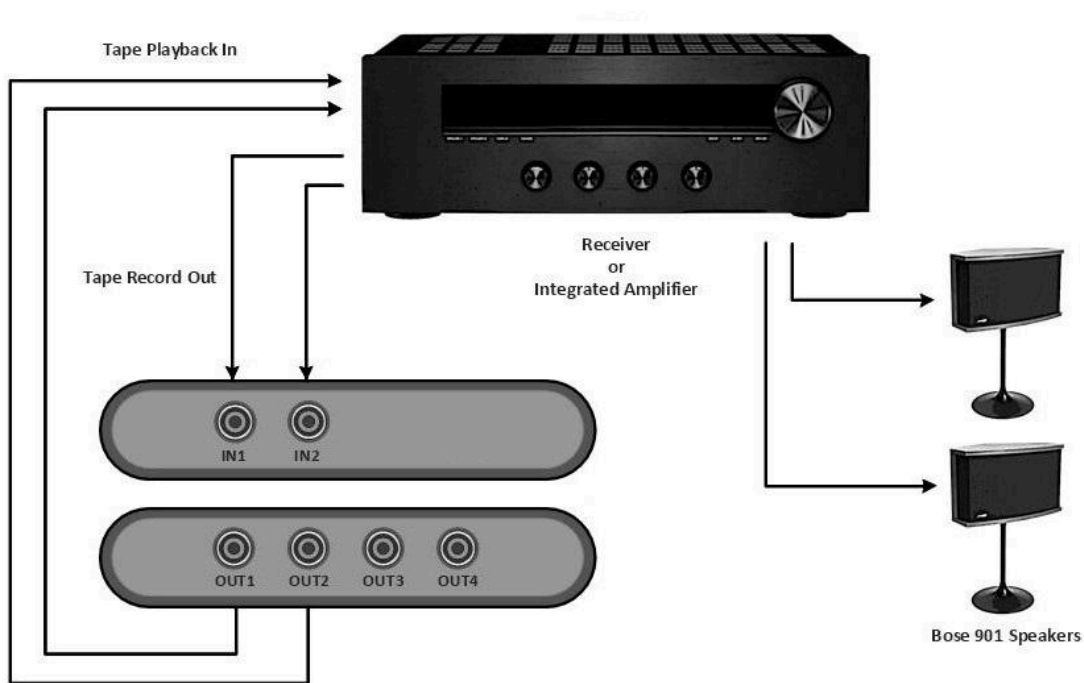
- EQ901B Plus equalizer
- Frequency equalization curves for your 901 Series
- Regulated power supply

3. Typical Installation Examples

Analog audio input and output connections are made directly to the RCA input and output jacks. For RCA connections, #1 is left (L) and #2 is right (R). **When making these connections, make sure to power off the equipment being connected.**

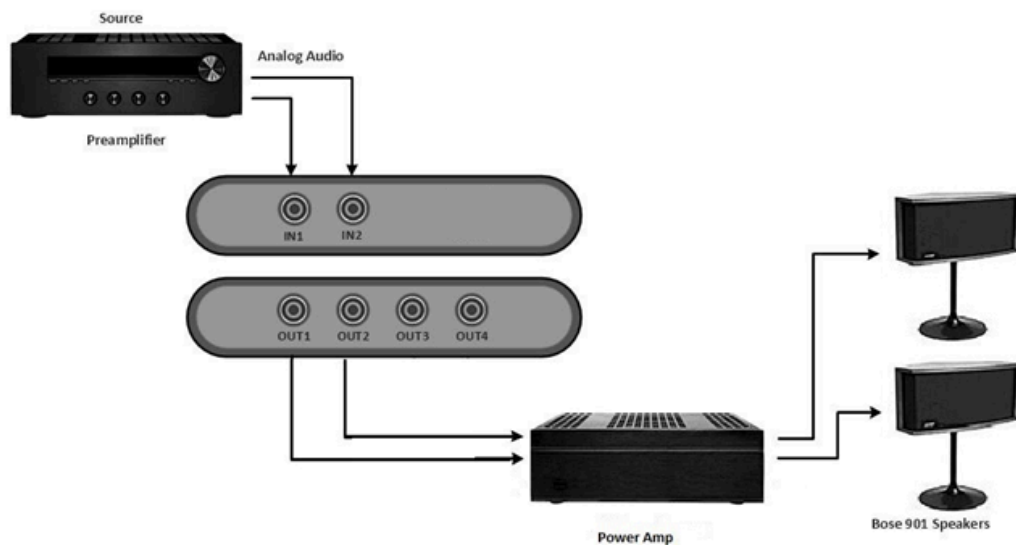
3.1 Tape Monitor Loop Setup

This example shows how to make connections to a receiver or amplifier with a classic tape monitor loop. Currently available audio equipment typically does not include an old style tape monitor loop.

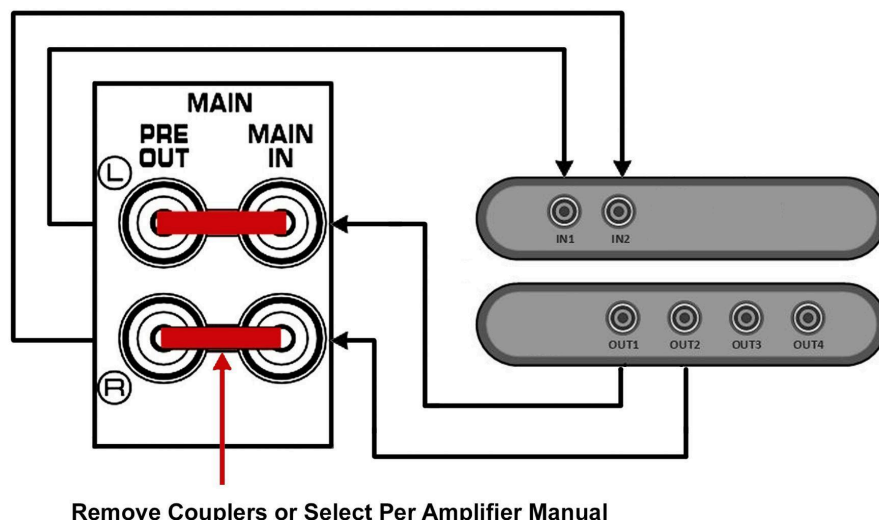


3.2 Preamp / Power Amplifier Setup

This example shows a typical connection between a preamp and power amp.



If you have a receiver or integrated amplifier with a pre-out / main in loop, you can insert the EQ901B Plus as shown below.

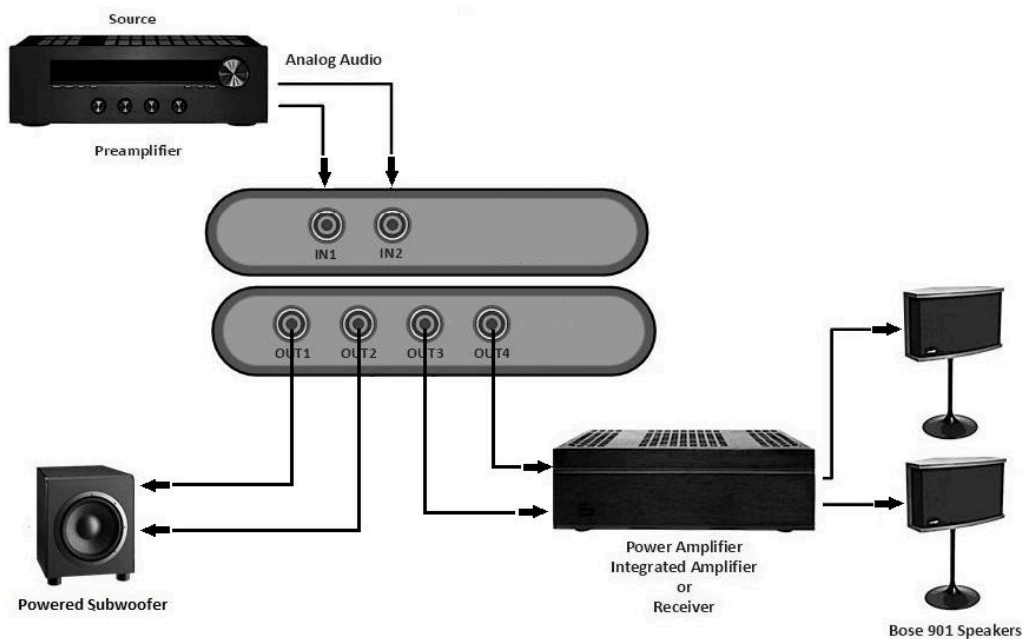


3.3 Connecting a Power Subwoofer

The two unused outputs connect to your subwoofer L and R line inputs. This setup requires that you be connected between a preamp and a power amp so the subwoofer(s) level will track with your Bose 901s. The subwoofer controls will be adjusted to your preference. Your preamplifier will now serve as the master volume control for both the main speakers and subwoofer.

We recommend driving your subwoofer(s) on outputs 1 and 2 and your main speakers on outputs 3 and 4, which have the reduced base mode. See the following diagram.

Please note the EQ901B Plus does not include an active high-pass filter. If you are interested in that feature, check out the EQ901 Elite with the subwoofer option.



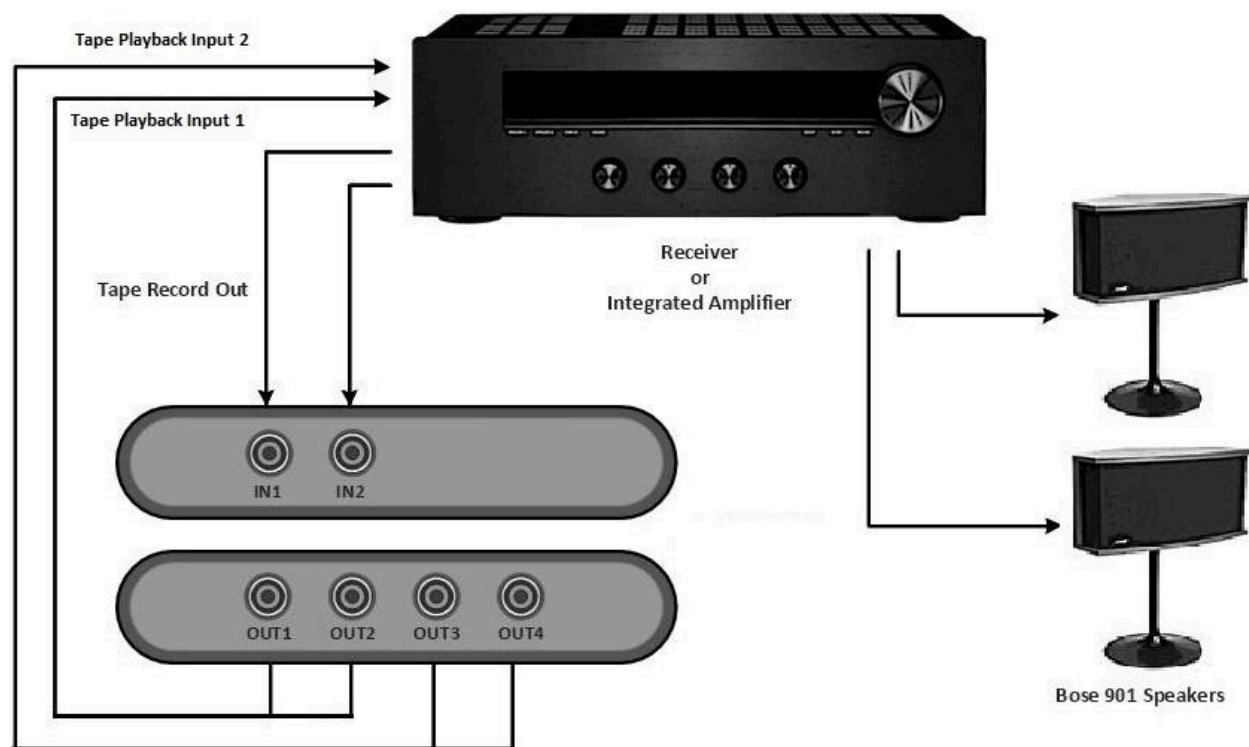
4. AC Power Connection

The EQ901B Plus does not have a power switch and can be left powered on, as power consumption is very low. You also may power your EQ901B Plus from a switched outlet on your receiver.

5. Using the Dual Equalization Curves

The EQ901B Plus is equipped with two equalization curves. The Normal mode is on outputs 1 and 2, and the Reduced Bass mode is on outputs 3 and 4.

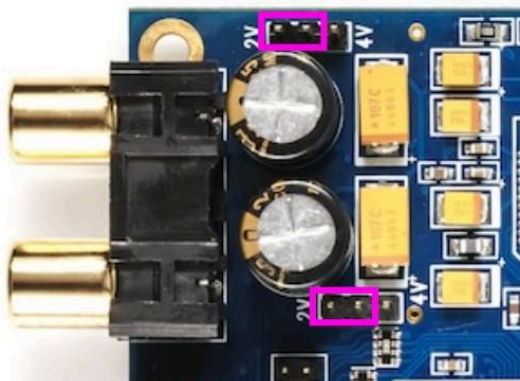
If you're using an amplifier or receiver with two tape monitor loops, you can connect the EQ901B Plus outputs 1 and 2 to tape playback inputs 1, and outputs 3 and 4 to tape playback inputs 2. Then you will be able to switch easily between the two equalizer curves. If your configuration is a preamplifier out / main amplifier in setup, you'll need to manually move the cables from outputs 1 and 2 to outputs 3 and 4. **Be sure to power off all equipment before making these adjustments.**



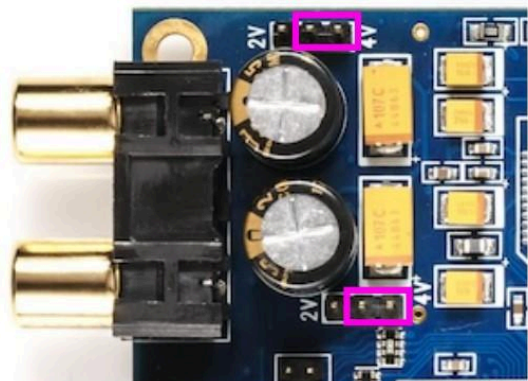
6. Setting Input Levels

The analog audio input levels are switchable between 2.0 Vrms and 4.0 Vrms to accommodate use with most preamplifiers, amplifiers or receivers. If you are experiencing excessive signal level or distortion, you may need to switch the unit to the 4.0 Vrms setting. The EQ901B Plus model is shipped with the input levels preset to 2.0 Vrms.

2 VRMS sensitivity



4 VRMS sensitivity



7. Specifications

- Distortion < 0.01% THD
- Maximum input voltage: 4.0 Vrms or 2.0 Vrms - jumper settable
- Dynamic range > 98dB
- Analog Devices: ADAU1701 Digital Signal Processor Engine
- Dimensions: 1.25" h x 4.25" w x 4.75" d

8. Warranty Terms

This product is warranted to be free from defects in materials and workmanship for a period of one year from the invoice date. Warranty does not cover failure of the product due to incorrect connection or installation, improper or undocumented use, unauthorized servicing, modification or alteration of the unit in any way, or any usage outside of that recommended in this manual. Return shipping is the responsibility of the customer.



Contact [Deer Creek Audio](#)

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