



# DSP AMPLIFIER DSP2544

4-channel Class A/B Amplifier Design, with 2-channel pre-amp outputs & Digital Signal Processing



## Engineered for the ultimate sound experience.

JBL DSP Amplifier is an audio processor for fine-tuning of aftermarket audio systems. It is a self-contained audio system with 4-channel audio inputs, 4-channel powered audio outputs, 2-channel pre-amp outputs, easy to use tuning interface and detailed tuning capabilities to satisfy any enthusiast. With a USB connection to access the tuning interface using a Windows PC, you can control fully variable crossovers, selectable 0-to-48dB slopes, time delay, 31-band parametric or graphic EQ adjustment, assignable input to output mixer with input channel summing, channel gain, master volume control, clipping indicator to ensure the audio output is not distorted and ability to save up to 10 presets.

## Features

- ▶ Small footprint, All-in-One Class A/B Amplifier with DSP Control
- ▶ Everything You Need to Get Started
- ▶ Simple Tuning Interface with Complex Features
- ▶ Versatile Connectivity
- ▶ Convenient Bass Control
- ▶ Conformal Coated PCB
- ▶ Harman Standard Reliability Testing
- ▶ JBL Industrial Design



# DSP AMPLIFIER DSP2544

4-channel Class A/B Amplifier Design, with 2-channel pre-amp outputs & Digital Signal Processing



## Features and Benefits

### Small footprint, All-in-One Class A/B Amplifier with DSP Control

JBL DSP Amplifier has everything you need to create a professional sound quality audio system with the ability to mount your amplifier in tight spaces.

### Everything You Need to Get Started

JBL DSP Amplifier has everything you need to create an audio system, or expand your existing one, plus the ability to add more power by using it as a line driver when you are ready for your next power upgrade.

### Simple Tuning Interface with Complex Features

Easy-to-use tuning interface anyone can understand, learn and control with enough horsepower to satisfy experienced installers. The Windows PC user interface includes variable crossover control, 0-to-48dB selectable slopes, 31-band parametric or graphic EQ adjustment, time delay in 0.2ms, output clipping indicator, assignable input to output mixer with input channel summing, output channel gain, master volume control, clipping indicator and ability to save up to 10 presets.

### Versatile Connectivity

Balanced differential inputs to provide you with the best sound quality & noise rejection, and accepts RCA or speaker-level inputs so it will integrate into almost any system. Plus, all wire connections are conveniently labeled to make installation a cinch.

### Convenient Bass Control

Wired remote control (sold separately) allows for quick adjustment of low frequency output with -30 to +6dB adjustment directly from the driver's seat.

### Conformal Coated PCB

Your JBL DSP Amplifier is engineered to withstand harsh conditions present in a wide variety of applications, using conformal coated circuit boards to ensure flawless power delivery, year after year.

### Harman Standard Reliability Testing

JBL is one of the greatest audio brands in the world. This is not a coincidence given the arduous testing and quality control. We take our craft seriously and want every consumer to have a world class experience that lasts and lasts.

### JBL Industrial Design

At JBL, we take pride in our iconic design heritage. Our design team took great care to ensure that your JBL DSP Amplifier will look amazing mounted wherever your music takes you. The smooth curve of the amplifier body, angular end cap design, and digitized JBL logo all tie together with our classic, current and future design language while concentrating on the design of your lifestyle.

## What's in the box:

- DSP Amplifier
- Wiring Harness
- USB Tuning Cable
- Mounting hardware
- Spare fuse
- 4x wire ties
- 2x JBL sticker
- Quick Start Guide

## Technical Specifications

- ▶ Max Power: 200W peak
- ▶ RMS Power Output @ 4Ω: 25W x 4, <10% THD+N
- ▶ Full-Range Pre-Amp Outputs: 2-channel
- ▶ Variable crossovers with hi-pass, lo-pass, band-pass capability & adjustable 0-to-48dB slopes
- ▶ Selectable EQ adjustment: Parametric or Graphic
- ▶ Selectable 12V/Signal Sense/DC Offset turn-on modes, with 12V remote output
- ▶ Frequency Response 10Hz – 22kHz @ -3dB
- ▶ Signal-to-Noise Ratio: >80dB @ 4Ω
- ▶ Subwoofer Level Control -30dB to +6dB (sold separately)
- ▶ Fuse Rating: 15A
- ▶ Operating Voltage: 8V to 16V



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