

WOWiViD 8-Channel DSP Car Audio Amplifier

WOWiViD 8-Channel DSP Car Audio Amplifier User Manual

Model: 8-Channel DSP Car Audio Amplifier

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your WOWiViD 8-Channel DSP Car Audio Amplifier. Please read this manual thoroughly before use to ensure proper functionality and to maximize your audio experience.

2. SAFETY INFORMATION

- Ensure all connections are secure and properly insulated to prevent short circuits.
- Disconnect the vehicle's battery before installation to avoid electrical hazards.
- Do not expose the amplifier to moisture or extreme temperatures.
- Consult a professional car audio installer if you are unsure about any installation steps.
- Avoid operating the amplifier at excessively high volumes for prolonged periods to prevent hearing damage.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- WOWiViD 8-Channel DSP Car Audio Amplifier
- Power Input Cable (for car radio connection)
- Power Output Cable (16-pin plug for Android car radio)
- DSP USB Line (for car radio USB line connection)
- User Manual (this document)



Image: The WOWiViD DSP Car Audio Amplifier shown with its accompanying power and USB cables.

4. PRODUCT OVERVIEW

The WOWiViD DSP Car Audio Amplifier is designed to significantly upgrade the sound quality of your car's audio system, especially when paired with aftermarket Android car radios. It features an 8-channel output, a 32-band equalizer, and integrated crossover for precise audio tuning.

4.1 Key Features

- **8-Channel Output:** Provides versatile connectivity for multiple speakers.
- **32-Band Graphic Equalizer:** Allows for detailed sound customization with 12 preset options.
- **Integrated Crossover:** Enhances audio clarity by directing specific frequencies to appropriate speakers.
- **Bluetooth & USB Connectivity:** Stream music and control EQ settings wirelessly or via USB.
- **Class D Digital Amplifier:** Delivers high efficiency and powerful sound in a compact design.
- **Wide Compatibility:** Seamlessly integrates with most aftermarket Android car radios.

4.2 Amplifier Components and Interface

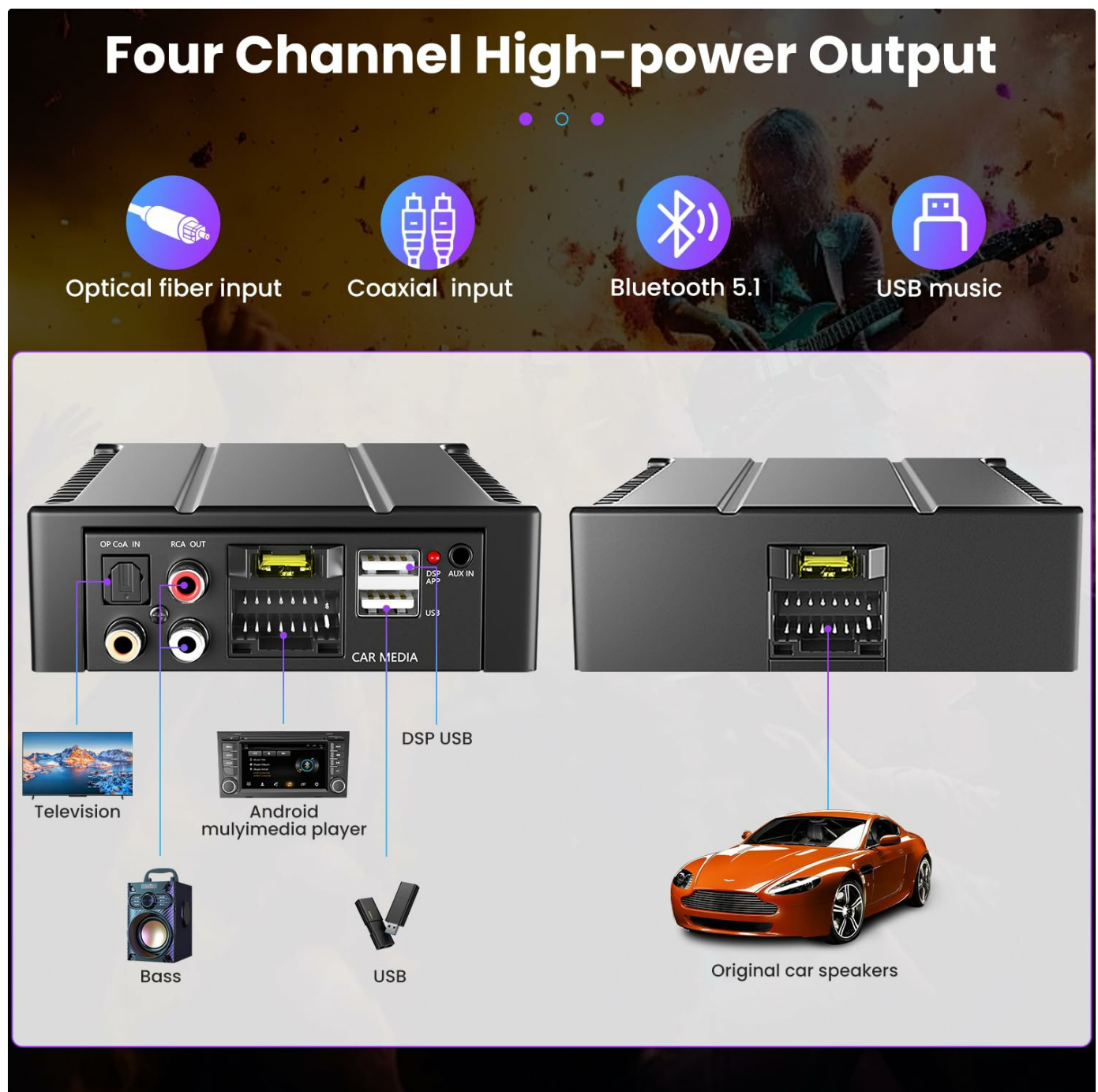


Image: Detailed view of the amplifier's input and output ports, including optical, coaxial, RCA, USB, and power connections.

1. **OPTICAL IN:** Supports optical fiber input.
2. **COAXIAL IN:** Supports coaxial input.
3. **RCA OUT:** White left audio output.
4. **RCA OUT:** Red right audio output.
5. **AUX IN:** Auxiliary input.
6. **USB:** USB Music playback.
7. **DSP APP:** Connects to the vehicle central control host or mobile phone for DSP debugging/control.
8. **CAR MEDIA:** 20P power connector for car media player.
9. **POWER IN:** 20P power input.

5. SETUP AND INSTALLATION

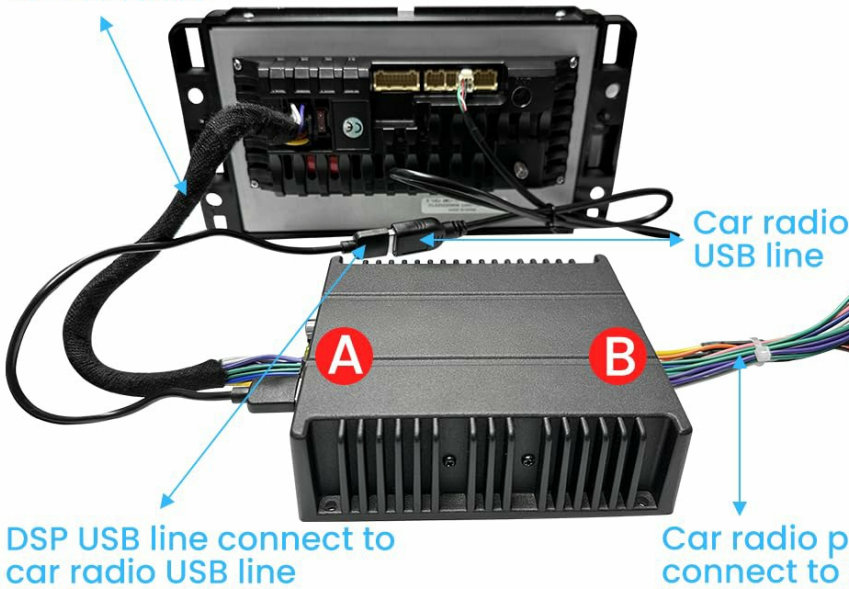
The WOWiViD DSP Car Audio Amplifier is designed for non-destructive plug-and-play installation with aftermarket Android car radios. Follow these steps carefully:

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery.
2. **Access Car Radio:** Carefully remove your aftermarket Android car radio from its mounting to access the rear connections.
3. **Connect Power Input (A):** Connect the DSP power input cable to the car radio's power harness. Ensure the DSP APP port is also connected.
4. **Connect Power Output (B):** Connect the 16-pin power output plug from the DSP amplifier to the corresponding input on your Android car radio.
5. **Connect DSP USB Line:** Connect the DSP USB line to the car radio's USB line. This enables USB music playback and DSP control.
6. **Secure Amplifier:** Mount the DSP amplifier in a secure, well-ventilated location, away from direct heat or moisture.
7. **Reconnect Battery:** Once all connections are secure, reconnect the vehicle's battery.
8. **Test System:** Turn on your car radio and test the audio system to ensure proper functionality.

Non-destructive Plug & Play



DSP Power cable connect to Car radio



A Power Input

Connect to the car radio, DSP APP port must be plugged



B Power Output

Fits for Android car radio 16-pin Plug



Image: Visual guide illustrating the connection points for the DSP amplifier with an aftermarket Android car radio.

5.1 Audio Enhancement Comparison

For All Aftermarket Android Car Radio



Our DAP :



Professional tuning and noise reduction, born from the 'chip,' creating Hi-Fi sound quality to enhance your driving experience.

Original :



Poor audio signal, noise, and lack of support for multiple audio formats.

Image: Illustrates the improved sound distribution and clarity within a car interior after installing the DSP amplifier compared to an original setup.

6. OPERATING INSTRUCTIONS

6.1 Bluetooth Connectivity

To connect your phone via Bluetooth for music streaming and EQ adjustments:

1. Ensure Bluetooth is enabled on your mobile device.
2. Search for available Bluetooth devices from your phone.
3. Select the amplifier's Bluetooth name (refer to your car radio's interface or amplifier settings for the exact name).
4. Once paired, you can stream audio and use the dedicated app for sound customization.

6.2 USB Music Playback

To play music from a USB flash drive:

1. Insert a USB flash drive containing audio files into the amplifier's USB port.
2. Select the USB input source on your aftermarket Android car radio.
3. Navigate and play your music files through the car radio's interface.

6.3 Equalizer (EQ) Adjustment

The amplifier features a 32-band graphic equalizer for precise sound tuning. You can adjust this via the dedicated DSP app on your connected mobile device or through the car radio's interface (if supported).

- **Manual Tuning:** Adjust individual frequency bands to achieve your desired sound profile.
- **Preset Equalizers:** Choose from 12 pre-configured settings such as Rock, Hip Hop, Powerful, etc., to quickly adapt to different music genres.



Image: Depicts the DSP HiFi Sound Processor delivering precise audio tuning and high-quality sound within a car cabin.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the amplifier's exterior. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the amplifier's heat dissipation grille is not obstructed to maintain optimal performance and prevent overheating.
- **Connections:** Periodically check all connections to ensure they remain secure.

Class D Digital Amplifier



Provide high efficiency and powerful output in a compact design, delivering exceptional sound quality



Image: Shows the Class D Digital Amplifier highlighting its heat dissipation design for consistent performance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Power cable not connected Incorrect input source selected Loose speaker connections	Check power connections to the amplifier and car radio. Verify the correct audio input source is selected on your car radio. Ensure all speaker wires are securely connected.

Problem	Possible Cause	Solution
Distorted sound	Gain levels too high Improper EQ settings Speaker impedance mismatch	Adjust gain settings on the amplifier or car radio. Reset EQ settings or adjust individual bands. Consult speaker specifications for compatibility.
Bluetooth connection issues	Device not in pairing mode Interference	Ensure your phone's Bluetooth is on and discoverable. Move closer to the amplifier or restart both devices.

9. SPECIFICATIONS

Feature	Detail
Brand	WOWiViD
Model Number	351bb89c-3a97-49b7-b572-8f9df29f481d
Number of Channels	8
Equalizer	32-Band Graphic EQ, 12 Presets
Connectivity	Bluetooth, USB, Optical In, Coaxial In, RCA Out, AUX In
Amplifier Type	Class D Digital Amplifier
Mounting Type	Freestanding
Package Dimensions	8.46 x 6.1 x 2.36 inches
Item Weight	1.43 Pounds
Certification	FCC

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official WOWiViD website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: WOWiViD

Date First Available: September 12, 2024

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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