

Using the OLH28C for Low Level RCA Installation with a Factory Radio

To use the OLH28C for adding an amplifier to a factory radio, begin by carefully preparing the wiring connections to ensure optimal performance and functionality.

First, identify the right speaker output from the factory radio. Connect the Gray (+) wire from the OLH28C to the positive terminal of the right speaker output. Next, connect the Gray/Black stripe (-) wire from the OLH28C to the negative terminal of the right speaker output. It is crucial to ensure these connections are secure to prevent any signal loss or distortion.

Similarly, for the left speaker output, connect the White (+) wire from the OLH28C to the positive terminal of the left speaker output, and the White/Black stripe (-) wire to the negative terminal of the left speaker output. Double-check these connections for stability and accuracy, as any loose or incorrect wiring can result in poor audio quality or malfunctioning of the system.

In cases where the factory radio's speaker outputs share a single negative lead for both left and right channels, connect both the Gray/Black stripe (-) and White/Black stripe (-) wires from the OLH28C to this single negative lead. This ensures that the OLH28C can correctly interpret and process the audio signals from the radio, allowing for proper operation of the amplifier.

After the speaker connections are established, the next step is to provide the OLH28C with the necessary power. Connect the Red wire from the OLH28C to a constant 12-volt positive power source. This power connection is essential for the OLH28C to function and convert the speaker level signals into low-level RCA outputs for the amplifier. Ensure that the power source is stable and capable of delivering a consistent 12-volt supply.

Then, connect the Black wire from the OLH28C to a suitable chassis ground point. The chassis ground is critical for eliminating noise and ensuring a clean signal transfer. Make sure the ground connection is secure and attached to a bare metal surface on the vehicle's chassis for optimal grounding.

Additionally, connect the Blue wire from the OLH28C to the remote turn-on lead of the amplifier. This connection enables the OLH28C to control the amplifier's power state, turning it on and off in sync with the radio. This ensures that the amplifier only operates when necessary, helping to conserve battery power and reducing unnecessary strain on the vehicle's electrical system.

Once all the connections are made, the OLH28C needs to be adjusted to match the output levels of the factory radio. Start by setting the radio's volume to approximately two-thirds of its maximum level. This setting is typically ideal for making adjustments, as it represents a moderate listening volume without pushing the system to its limits.

Next, use a small screwdriver to turn the adjustment pots on the OLH28C clockwise to increase the volume level. These pots control the signal level sent to the amplifier, allowing you to match the output from the radio to the input sensitivity of the amplifier. Adjust both channels evenly to maintain a balanced soundstage. Fine-tuning may be required to achieve the desired volume and audio quality without introducing distortion.

The OLH28C is a versatile and high-quality converter designed to seamlessly integrate with factory radios. It converts the high-level speaker output from the radio to low-level RCA inputs required by most amplifiers, making it an essential component for those looking to upgrade their audio system while retaining the original factory head unit.

With a wide frequency response of 10-50,000Hz, -3dB, the OLH28C ensures that even the most subtle audio details are preserved, providing a rich and full-range sound experience. The adjustable channels allow for precise control over the output levels, while the impressive 70dB channel separation minimizes crosstalk, ensuring clear and distinct audio signals for each channel.

This converter is suitable for use with factory radios that have a maximum output of 50 watts per channel, making it compatible with a wide range of vehicles. By following these instructions carefully, you can successfully integrate the OLH28C into your audio system, enhancing your listening experience while maintaining the functionality and aesthetics of your factory radio.

Additional Features

- High Level Input
- AC Signal Auto-Start
- Adjustable Input Sensitivity
- Built-In 12V remote Turn-On
- 2-Channel Input and Output
- THD: 0.05%
- S/N Ratio: 90dB
- Maximum Input 50 Watts
- Channel Separation: 70dB
- Input Impedance: 15k ohms
- Power Supply: 11-15V DC -Ground
- Dimensions: 2.13 x 2.24 x 0.9 inches
- Frequency Response: 10Hz - 50kHz, -3dB