

## Introductions

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Add an amplifier to nearly any radio with RECOIL MLOC4 Stereo Line-Out Converter. Experience true sonic accuracy at any volume level with all the sparkling highs and thunderous lows of your original audio. Unlike traditional LOCs the MLOC4 is designed without inductors to deliver a completely flat 20Hz-20kHz frequency response at all volume levels. Using nothing more than your factory speaker wires the innovative MLOC4 automatically converts the speaker signal into both an RCA signal and a powerful 100 milli-amp 12-volt remote wire using DC offset. Powerful enough to turn on multiple amplifiers the 12-volt remote wire delivers plenty of power without hunting for a switched 12-volt power source. Accepts up to 80 watts (20 volts) of input signal and delivers up to an 10-volt output

## Why do I need a smart LOC?

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Today's modern OEM smart radios have incorporated a protection circuit that will shut off or distort audio on one or more channels if the load on the OEM radio is not within a specific impedance range. RECOIL MLOC4 features 60 Ohm load which is fully compatible with standard radios and most smart

## Installation

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The LOC should be installed on a stereo's speaker output wires or the output wires on an OEM amplifier of up to 80 watts (20 volts) per channel. These wires can be found behind the stereo in the dash, on the output of an OEM amplifier, or on the input terminals on the OEM speakers. Please refer to the wiring diagram for the input connection details.

## Wire Color & Function

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The audio wire colors are an EIA standard for car stereo applications as follows:

Black = chassis ground

Blue = remote turn-on output

White = left front (+) input  
White/Black = left front (-) input  
Gray = right front (+) input  
Gray/Black = right front (-) input  
Green = left rear (+) input  
Green/Black = left rear (-) input  
Purple = right rear (+) input  
Purple/Black = right rear (-) input  
Blue LED = DC offset turn-on active

**Note:** Be sure that all audio input connections are polarized or in phase with each other. Failure to do this will result in poor bass response and low quality audio.

**Caution:** RECOIL recommends disconnecting the negative battery terminal before beginning any installation. All accessories, switches, and especially air bag indicator lights must be plugged in before reconnecting the battery or cycling the ignition.

**Note:** Refer to the instructions included with the aftermarket radio,