

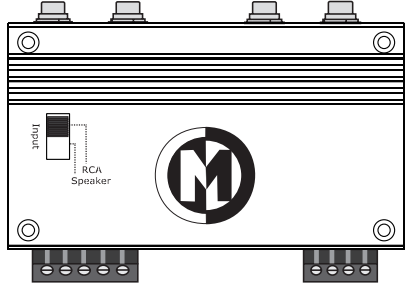
OPERATING MANUAL



MEMPHIS CAR AUDIO

LINE DRIVER/ LINE OUTPUT CONVERTER

Model: 16-LLD2A



WARRANTY INFORMATION

Should your product require service Please consult with the dealer from which it was purchased, or contact Memphis Car Audio Customer Service: 800-489-2300 or techsupport@memphiscaraudio.com. Do not attempt to return your product directly to us without first calling for a Return Authorization Number. Units received without an accompanying Return Authorization Number will be returned unopened. Additionally, you must include a copy of your purchase receipt from an authorized dealer for consideration of in-warranty service; otherwise repair charges will apply. Units received without a receipt will be held for 30 days, allowing us time to contact you and obtain a copy of the receipt. After 30 days, all units will be returned to you, unrepai

FOR MORE INFORMATION, VISIT
WWW.MEMPHISCARAUDIO.COM

WELCOME TO MEMPHIS!

Thank you for choosing Memphis Car Audio. Your choice of Memphis Car Audio indicates a desire for high quality music in your car. Memphis Car Audio brings to you over four decades of car audio expertise. So whether you are a daily driving music lover, or a serious car audio competitor, Memphis Car Audio has the product for you!

To take full advantage of the Memphis Car Audio gear you have just purchased, please read and follow the instructions in this manual. As with all of our products, professional installation by an authorized Memphis Car Audio dealer is highly recommended!

No matter who performs the installation, there's nothing better than Memphis Connection Accessories to make sure your Memphis Car Audio product performs the way it was intended to. Using the proper size and quality of power and ground wire, as well as the RCA interconnects will dramatically enhance the sound quality and durability of your Memphis Car Audio products.

Get all the performance and reliability you paid for with
Memphis Connection Accessories!

INTRODUCTION

Do you need to connect a source unit that does not have standard RCA-style terminals to a high end aftermarket amplifier? Maybe your current head unit (either OEM or aftermarket) does not have sufficient output voltage to adequately drive your high end amplifier set up? The Memphis Car Audio LLD2A allows you to take up to 2 channels of speaker-level output and convert it to a clean and accurate low-level signal that can drive any aftermarket amplifier. The LLD2A also can act as a line driver, delivering up to 9.5 Volts of signal to drive an aftermarket amplifier – regardless if you have a factory installed or aftermarket head unit. The supplied remote control allows you to easily adjust the level of signal being sent to your amplifier.

When combined with any of the high quality amplifiers in the Memphis Car Audio line and Memphis Car Audio's award winning subwoofers and speakers, you have a complete mobile system that is truly world class. To further enhance your listening enjoyment, Memphis Car Audio also offers a wide range of signal processors, Connection Accessories and MOJO Mat sound damping material.

Remember, a car audio system will only perform as good as the weakest link, so make your system all Memphis!

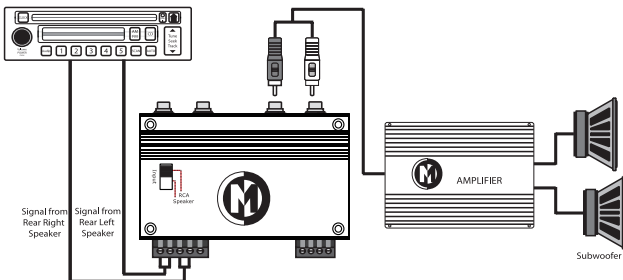
LLD2A FEATURES

- Textured black aluminum chassis
- Max output 9.5V
- 100Watts of speaker level input at 4 Ohms
- Signal sense and manual turn on modes
- Remote turn on output
- Clipping LED indicator
- Remote gain control
- Dimensions: 4" x 3.5" x 1.25"

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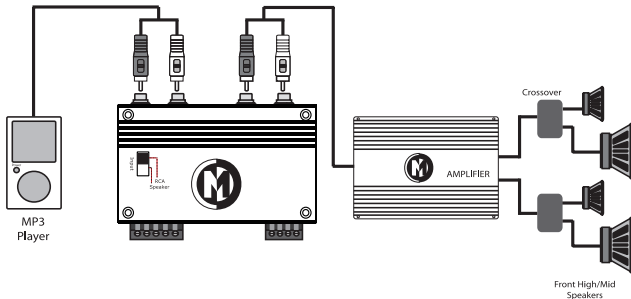
LINE OUTPUT

The drawing below shows a typical installation using the LLD2A in Line Output Converter mode. Your system might vary slightly.



LINE DRIVER

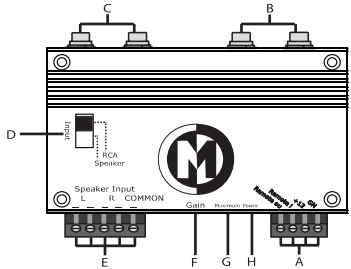
The drawing below shows a typical installation using the LLD2A in Line Driver mode.



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OPERATION AND FUNCTION

- A. **Connections** – These connections are for +12V input power, chassis ground, and remote turn-on. Use a minimum of 18 gauge wire for power and ground connections. The power wire should be fused with a 1 amp fuse.
- B. **RCA Outputs** – These Low-Level output jacks provide a full range signal to your amplifier.
- C. **Inputs** – When used in Line Driver Mode, these RCA input jacks allow for a low level signal to be input from the source unit.
- D. **Switch** – This switch is used to select the input of the LLD2A. The RCA position allows low-level RCA inputs (0-4V) to be used, while the Speaker position allows high-level speaker inputs (up to 100Watts) to be used.
- E. **Inputs** – This terminal block allows for up to 100Watts of speaker level signal to be input from the source unit. Use this if your source unit does not have RCA outputs.
- F. **Adjustment** – This control allows you to remotely adjust the signal level feeding the amplifier.
- G. **Indicator** – This LED indicates when the signal is at its maximum level before clipping (distortion) occurs. When the input level is set correctly and the source unit is at maximum output it is common for this LED to flicker intermittently.
- H. **Indicator** – This LED indicates when your LLD2A is powered on.
- Power**



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INSTALLATION

Professional installation by an authorized Memphis Car Audio dealer is highly recommended! Otherwise, the performance of your new gear may not be satisfactory. In the event that you decide to do your own installation, please read and follow this manual very carefully. Failure to do so may compromise the integrity of this product, your automobile, and possibly void the product warranty. Before securing the LLD2A, inspect the mounting location carefully to ensure that you do not drill into or damage any electrical, hydraulic, fluid, or fuel lines.

WARNING! DISCONNECT THE VEHICLE'S BATTERY BEFORE BEGINNING ANY INSTALLATION!

POWER SUPPLY CONNECTIONS

Use conventional stranded copper wire for all connections. Finish the ends of the wires at the amp and vehicle connection with the proper size terminals. Poorly made connections, and/or inadequate wire size will generate excessive heat and may lead to equipment failure.

The Power Connections (+12 V and GND) should be made with minimum 18G wire. The +12V terminal should be connected to Positive 12 Volt Power using a 1A fuse between the power source and the LLD2A. The GND terminal should be connected to chassis ground and should have a ring terminal crimped and soldered and should be connected to the chassis of the vehicle in an area that has had all paint and grease removed for maximum contact to ground.

Remote In – The LLD2A is turned on by applying +12VDC to this terminal. This should be connected to the remote lead or power antenna wire from the head unit, if equipped. Please make sure that this lead supplies power on all sources and does not turn off if a source other than the radio is used (CD, etc). If the head unit does not provide a remote turn on you can use the accessory terminal in the car's fuse block. However, this will turn the LLD2A on and off with the vehicle's ignition key – regardless of whether the head unit is on or off.

Remote Out – The LLD2A is also equipped with a signal sensing circuit that is designed to detect a signal on its input to both turn the LLD2A on and provide a +12V output signal to turn on an aftermarket amplifier. Connect this terminal to the remote terminal (turn on lead) on an aftermarket amplifier.

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