

**KICKER®**

**DX**

**AMPLIFIERS**

*Owner's Manual*

**DXA125.2**

**MODEL: DXA125.2**

IMPORTANT SAFETY WARNING – PROLONGED CONTINUOUS OPERATION OF AN AMPLIFIER IN A DISTORTED OR CLIPPED MANNER CAN CAUSE YOUR AUDIO SYSTEM TO OVERHEAT, POSSIBLY CATCHING FIRE AND RESULTING IN SERIOUS DAMAGE TO YOUR COMPONENTS AND/OR VEHICLE. KICKER PRODUCTS ARE CAPABLE OF PRODUCING SOUND LEVELS THAT CAN PERMANENTLY DAMAGE YOUR HEARING! TURNING UP A SYSTEM TO A LEVEL THAT HAS AUDIBLE DISTORTION IS MORE DAMAGING TO YOUR EARS THAN LISTENING TO AN UNDISTORTED SYSTEM AT THE SAME VOLUME LEVEL. THE THRESHOLD OF PAIN IS ALWAYS AN INDICATOR THAT THE SOUND LEVEL IS TOO LOUD AND MAY PERMANENTLY DAMAGE YOUR HEARING. PLEASE USE COMMON SENSE WHEN CONTROLLING VOLUME.

### PERFORMANCE

<b>Model:</b>	<b>DXA125.2</b>
RMS Power	
@ 14.4V, 4Ω stereo, ≤ 1% THD+N	30 x 2
@ 14.4V, 2Ω stereo, ≤ 1% THD+N	60 x 2
@ 14.4V, 4Ω mono, ≤ 1% THD+N	125 x 1
Length [in, cm]	8-1/8, 21
Height [in, cm]	2-5/16, 6
Width [in, cm]	7-1/8, 18
Frequency Response [Hz]	10Hz–20kHz
Signal-to-noise Ratio [dB]	>95, A-weighted, re: rated power
Input Sensitivity	Low Level: 125mV–5V High Level: 250mV–10V
Electronic Crossover	HI, LO or OFF; Variable 50–200Hz @ 12dB/Octave
KickEQ™ Bass Boost	Variable 0-12dB @ 40Hz

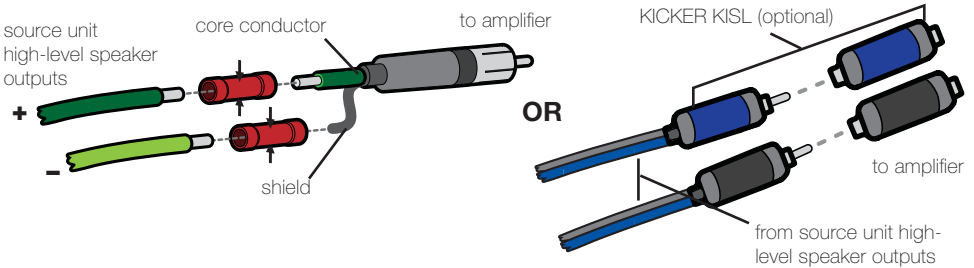
**Pro Tip:** To get the best performance from your new KICKER Amplifier and extend the warranty by 1 year, use genuine KICKER accessories and wiring.

### INSTALLATION

**Mounting:** Choose a structurally sound location to mount your KICKER amplifier. Make sure there are no items behind the area where the screws will be driven. Choose a location that allows at least 4" (10cm) of open ventilation for the amplifier. If possible, mount the amplifier in the climate-controlled passenger compartment. Drill four holes using a 7/64" (3mm) bit and use the supplied #8 screws to mount the amplifier.

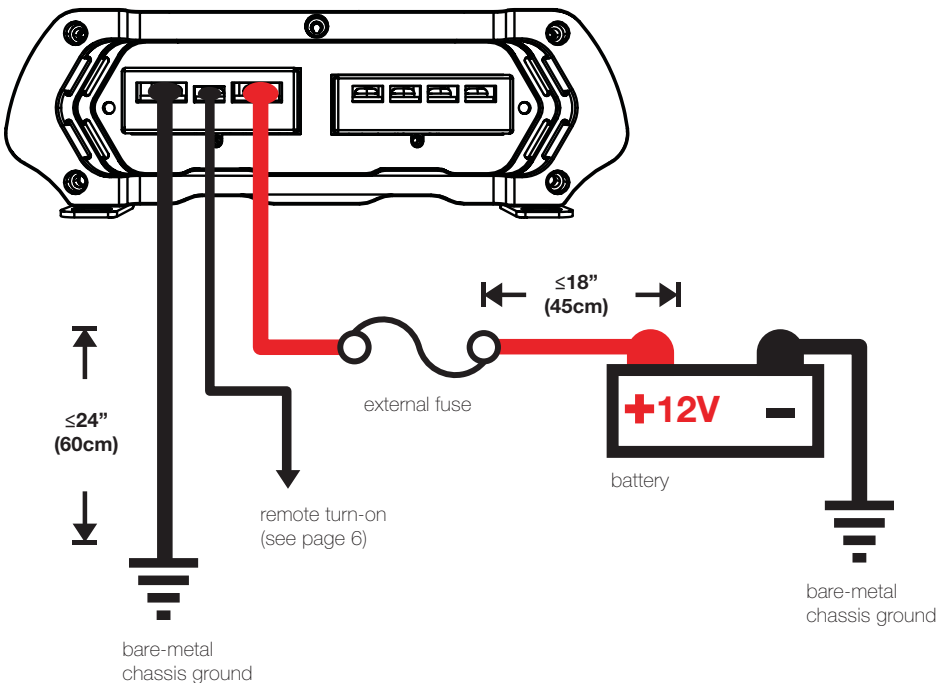
**Wiring:** Disconnect the vehicle's battery to avoid an electrical short. Then, connect the ground wire to the amplifier. Make the ground wire short, 24" (60cm) or less, and connect it to a paint-and-corrosion-free, solid, metal area of the vehicle's chassis. Adding an additional ground wire of this same gauge (or larger) between the battery's negative post and the vehicle chassis is recommended.

The DX amplifier has dual input sensitivity differential RCA inputs which will receive either high or low level signals from your car stereo's source unit. A high-level signal can be run from the source unit's speaker outputs to the stereo RCA input on the end panel of the amplifier using the KICKER KISL as shown (make sure you set the DX amplifier's input level switch to "HI"). Alternatively, the signal can be delivered to the amplifier using the low-level RCA outputs on the source unit. Set the input level switch on the end panel of the amplifier to "LO". Keep the audio signal cable away from factory wiring harnesses and other power wiring. If you need to cross this wiring, cross it at a 90 degree angle.

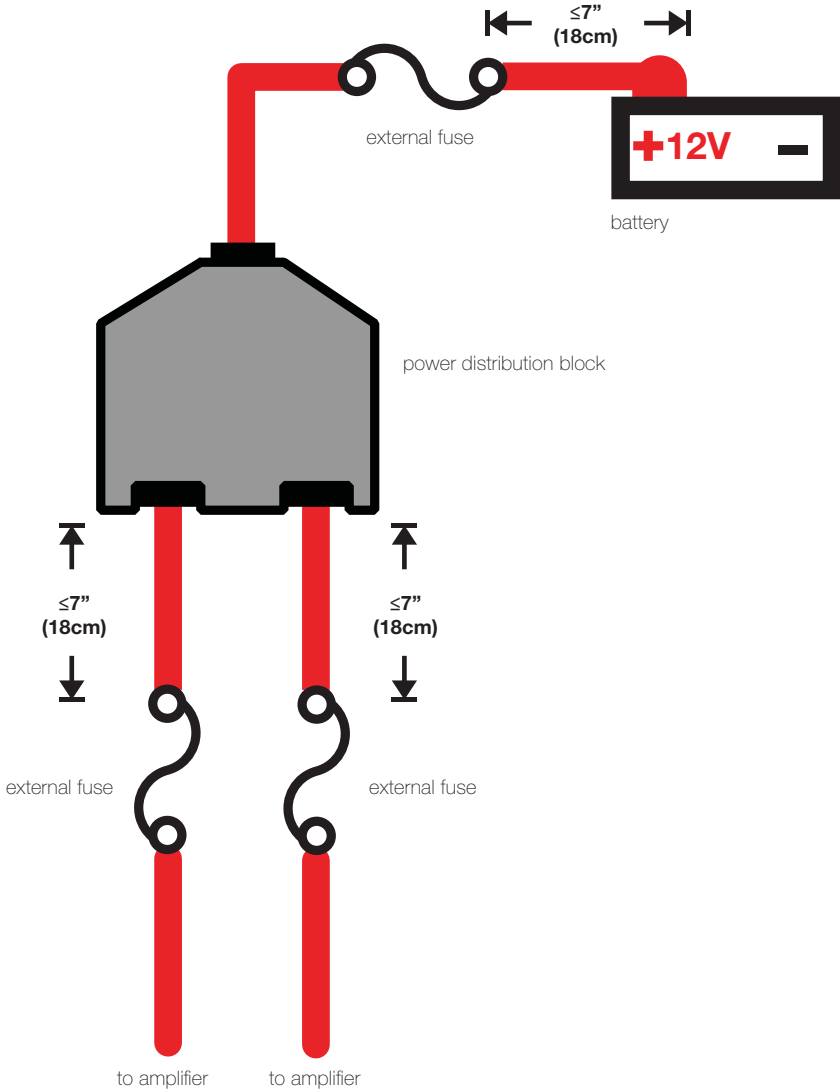


Install a fuse within 18" (45cm) of the battery and in-line with the power cable connected to your amplifier. If you ever need to remove the amplifier from the vehicle after it has been installed, the ground wire should be the last wire disconnected from the amplifier—just the opposite as when you installed it.

<b>Model</b>	<b>External Fuse (sold separately)</b>	<b>Power/Ground Wire</b>	<b>KICKER Wiring Kit</b>
DXA125.2	1 x 40 Ampere	8 Gauge	PK8, ZCK84

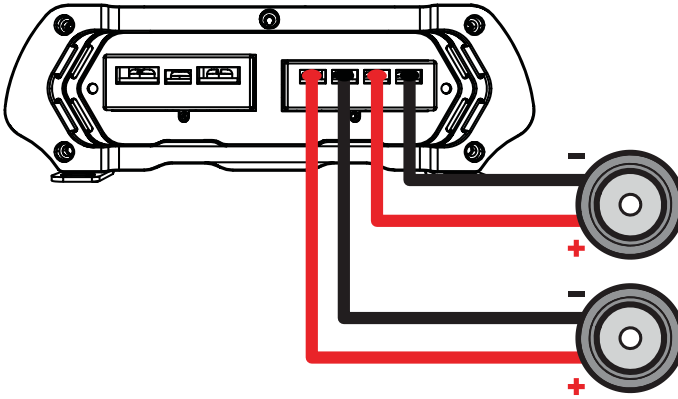


For multiple amplifier installations where distribution blocks are used, each amplifier should have its proper-rated fuse, or breaker, installed between the amplifier and the distribution block within eighteen inches of the block, or on the distribution block if it provides for fusing. The primary power wire should also be fused between the battery and distribution block, within eighteen inches of the battery's positive terminal, with a fuse or breaker rated at least to the sum of the individual amplifier's fuse values



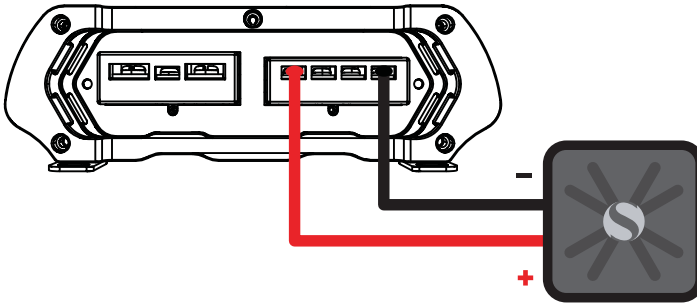
## STEREO OPERATION

minimum impedance of 2 ohms per channel



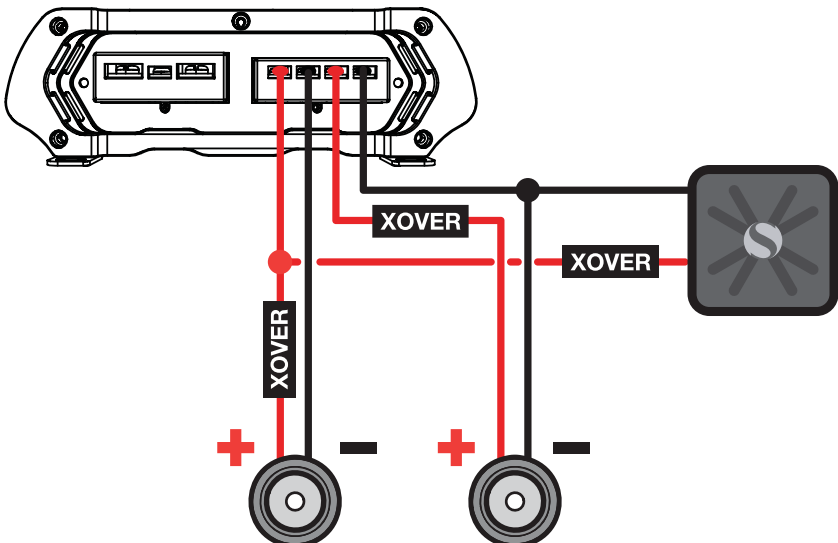
## BRIDGED OPERATION (MONO)

minimum impedance of 4 ohms

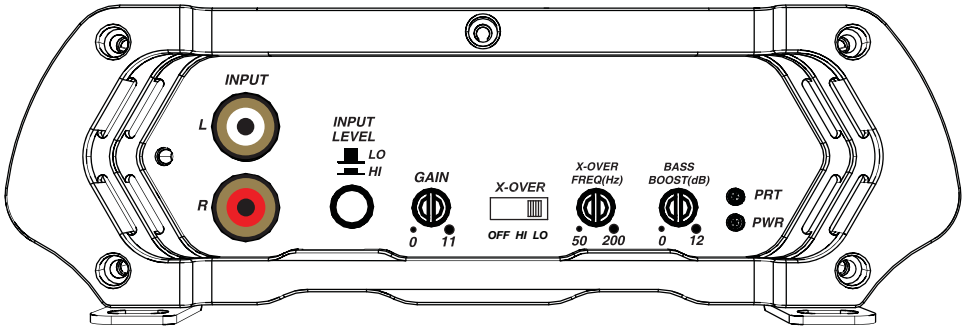


## STEREO-AND-MONO-SIMULTANEOUSLY (SAMS) OPERATION

minimum impedance of 4 ohms bridged (mono) and 2 ohms per channel stereo



## OPERATION



**Automatic Turn-On Selection:** The DX series offers two automatic turn-on modes; +12V and DC Offset.

- Remote Turn-On: Run 18 gauge wire from the Remote Turn-On Lead on your source unit to the terminal labeled REM between the amplifier's positive and negative power terminals.
- DC Offset Turn-On: The DC Offset mode detects a 6V DC offset from the HI-Level speaker outputs when the source unit has been turned on.

**Input Level:** The RCA inputs on KICKER DX amplifiers are capable of receiving either Hi or Low-level signals from your source unit. If the only output available from your source unit is a Hi-Level signal, simply press in the Input Level switch on the amplifier. Refer to the wiring section of this manual for additional instructions.

**Input Gain Control:** The input gain control is not a volume control. It matches the output of the source unit to the input level of the amplifier. Turn the source unit up to about 3/4 volume (if the source unit goes to 30, turn it to 25). Next, slowly turn (clockwise) the gain on the amplifier up until you can hear audible distortion, then turn it down a little.

**Crossover Control:** The variable crossover on the side of the amplifier allows you to set the crossover to OFF, HI-PASS, or LO-PASS at frequencies from 50Hz–200Hz. The setting for this control is subjective.

**KICK EQ Bass Boost Control:** The variable bass boost control on the side of the DXA125.2 amplifier is designed to give you increased output, 0–12dB, at 40Hz. The setting for this control is subjective. If you turn it up, you must readjust the input gain control to avoid clipping the amplifier.

## **TROUBLESHOOTING**

If your amplifier does not appear to be working, check the obvious things first such as blown fuses, poor or incorrect wiring connections, incorrect setting of crossover switch and gain controls, etc. There are Power (PWR) & Protection (PRT) LEDs on the side panel of your Kicker DX series amplifier. Depending on the state of the amplifier and the vehicle's charging system, the LEDs will glow either green or red. When the green LED is lit, this indicates the amplifier is turned on and no trouble exists.

**Green LED off, no output?** With a Volt Ohm Meter (VOM) check the following: **1** +12 volt power terminal (should read +12V to +16V) **2** Remote turn-on terminal (should read +12V to +16V) **3** Check for reversed power and ground connections **4** Ground terminal, for proper conductivity.

**Green LED on, no output?** Check the following: **1** RCA connections **2** Test speaker outputs with a "known" good speaker. **3** Substitute source unit with a "known" good source unit. **4** Check for a signal in the RCA cable feeding the amplifier with the VOM meter set to measure "AC" voltage.

**Red LED flickering with loud music?** The red LED indicates low battery voltage. Check all the connections in your vehicle's charging system. It may be necessary to replace or charge your vehicle's battery or replace your vehicle's alternator.

**Red LED on, no output?** **1** Amplifier is very hot = thermal protection is engaged. Test for proper impedance at the speaker terminals with a VOM meter (see the diagrams in this manual for minimum recommended impedance and multiple speaker wiring suggestions). Also check for adequate airflow around the amplifier. **2** Amplifier shuts down only while vehicle is running = voltage protection circuitry is engaged. Voltage to the amplifier is not within the 10–16 volt operating range. Have the vehicle's charging and electrical system inspected. **3** Amplifier will only play at low volume levels = short circuit protection is engaged. Check for speaker wires shorted to each other or to the vehicle chassis. Check for damaged speakers or speaker(s) operating below the minimum recommended impedance.

**No or low output?** **1** Check the balance control on source unit **2** Check the RCA (or speaker input) and speaker output connections.

**Alternator noise-whining sound with engine's RPM?** **1** Check for damaged RCA (or speaker input) cable **2** Check the routing of RCA (or speaker input) cable **3** Check the source unit for proper grounding **4** Check the gain settings and turn them down if they are set too high.

**Ground Noise?** KICKER amplifiers are engineered to be fully compatible with all manufacturers' head units. Some head units may require additional grounding to prevent noise from entering the audio signal. If you are experiencing this problem with your head unit, in most cases running a ground wire from the RCA outputs on the head unit to the chassis will remedy this issue.

**CAUTION:** When jump starting the vehicle, be sure that connections made with jumper cables are correct. Improper connections can result in blown amplifier fuses as well as the failure of other critical systems in the vehicle.



### **DXA125.2**

30 x 2 @ 4 ohms, 14.4VDC, 1% THD, CEA-2006B (Watts)  
Signal to Noise Ratio -75dB CEA-2006B (ref: 1W, A-weighted)



**KICKER will now provide a three-year warranty with all DXA-Series Amplifier purchases paired with a *qualifying* KICKER Installation Kit\* .**

This extends the standard warranty by an additional year. *Amplifier and Kit must be purchased from an **Authorized KICKER Dealer**.*

KICKER DX amplifier success is currently at an unheard-of rate, making the extended warranty program even more beneficial to you.

Using poor-quality, under-spec wiring kits will impede DX amplifier performance.

**A superior-quality KICKER installation Kit is guaranteed to extend the life of DX amplifiers.**

The new extended warranty applies only to KICKER amplifiers and accessories sold to consumers by Authorized KICKER Dealers in the United States of America or its possessions. It also only applies to the original purchaser of KICKER amplifiers and accessories. One warranty extension per amplifier is allowed regardless of the number of amplifier installation kits purchased. This program does not apply to "B"-stock product or factory-refurbished product.

This offer is for a limited time, so see your local Authorized KICKER Dealer soon for details.

**\*U.S.A. Only | EE.UU. solamente | Nur USA | Les USA Seulement**

