



Owner's Manual
Manual del Propietario
Manuel d'utilisation
Benutzerhandbuch

KEY500.1

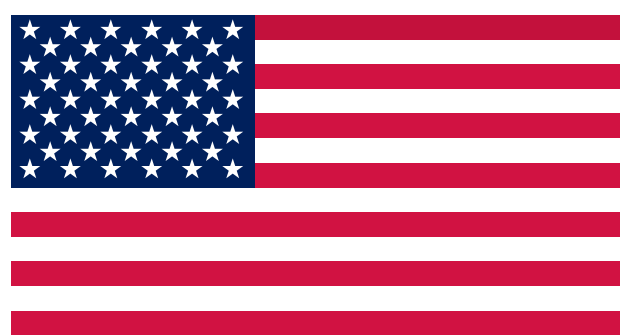
Mono DSP Amp

Amplificador Mono SP

Amplificateur DSP mono

Mono-DSP-Verstärker

select language



*seleccione
el idioma*



*choisir la
langue*



*sprache
auswählen*

Contents

Overview 3

Specifications 4

Installation 5

Mounting..... 5

Wiring 6

Operation 9

Features..... 9

KEY Auto Setup 11

CXARC Remote Bass

Installation 15

Troubleshooting 16

Warranty 17

Int. Warranty | Garantía |

Garantie 64

Overview

IMPORTANT SAFETY WARNING

FIRE HAZARD: PROLONGED, CONTINUOUS OPERATION OF AN AMPLIFIER, SPEAKER, OR SUBWOOFER IN AN OVER-POWERED, DISTORTED, OR CLIPPED MANNER MAY CAUSE YOUR AUDIO SYSTEM TO OVERHEAT AND CATCH FIRE. TO PREVENT PROPERTY DAMAGE: TURN OFF AND ALLOW COMPONENTS TO COOL AFTER EXTENDED PERIODS OF USE.

ALWAYS READ AND FOLLOW INSTALLATION INSTRUCTIONS. PROFESSIONAL INSTALLATION RECOMMENDED.

NEVER COVER AMPLIFIER OR SUBWOOFER – MINIMUM OF 1 IN. (2.5 CM) FROM FRONT OF SPEAKER AND ANY SURFACE.

HEARING LOSS HAZARD: YOUR KICKER PRODUCT CAN PRODUCE SOUND LEVELS THAT CAN PERMANENTLY DAMAGE YOUR HEARING! TO PREVENT POSSIBLE PERMANENT HEARING LOSS: IMMEDIATELY REDUCE VOLUME IF YOU EXPERIENCE ANY PAIN OR OTHER SYMPTOMS.

ALWAYS REDUCE VOLUME IF YOU HEAR AUDIBLE DISTORTION. DISTORTION MAY CAUSE MORE DAMAGE TO YOUR EARS THAN LISTENING TO AN UNDISTORTED SOUND AT THE SAME VOLUME.

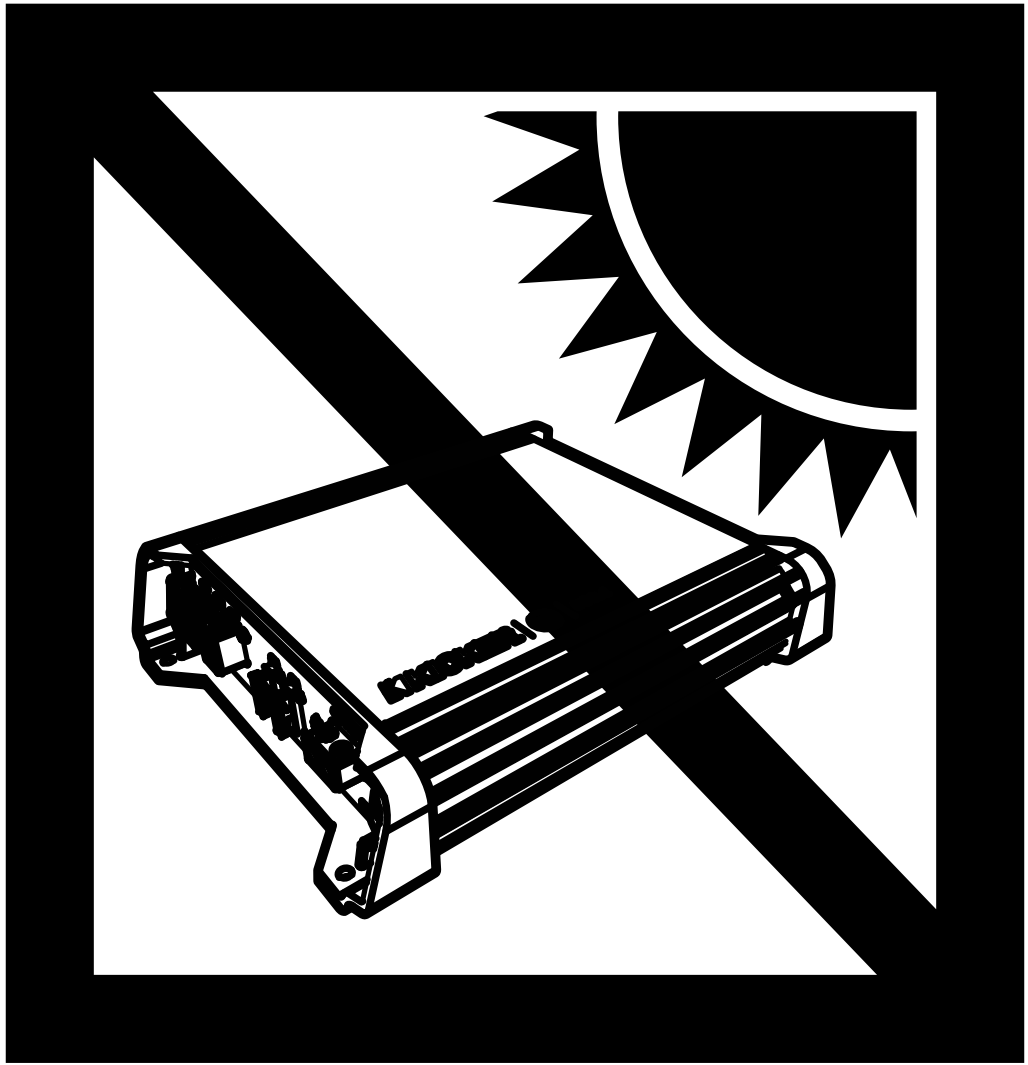
ALWAYS USE COMMON SENSE WHEN CONTROLLING VOLUME.

The revolutionary KEY500.1 is not your standard subwoofer amplifier. In addition to providing you with over 500 watts of power in an industry-leading small footprint, the KEY500.1 revolutionizes subwoofer add-ons into factory audio systems. This small, powerful amplifier includes built-in DSP (digital signal processing) that gives you built-in gain match, KickEQ™ Bass Boost, and a simple automatic calibration to give you dramatically improved bass response in minutes. With the press of a button, the KEY500.1 will analyze the frequency response of the input signal and apply a correction to fix any factory EQ or crossovers to make sure you're getting all the bass you paid for. This DSP-powered smart amplifier will bring the bass back to your factory audio system.

With this simple, step-by step detection and calibration process, your aftermarket installs are about to get a lot easier, with results you can hear! The KEY-Series combines our time-proven amplifier designs with state-of-the-art patented digital technology to automatically tune your system to audiophile performance. It's the best of all worlds, packed into a tiny powerhouse amp that delivers our signature KICKER Performance for your musical enjoyment.

Specifications

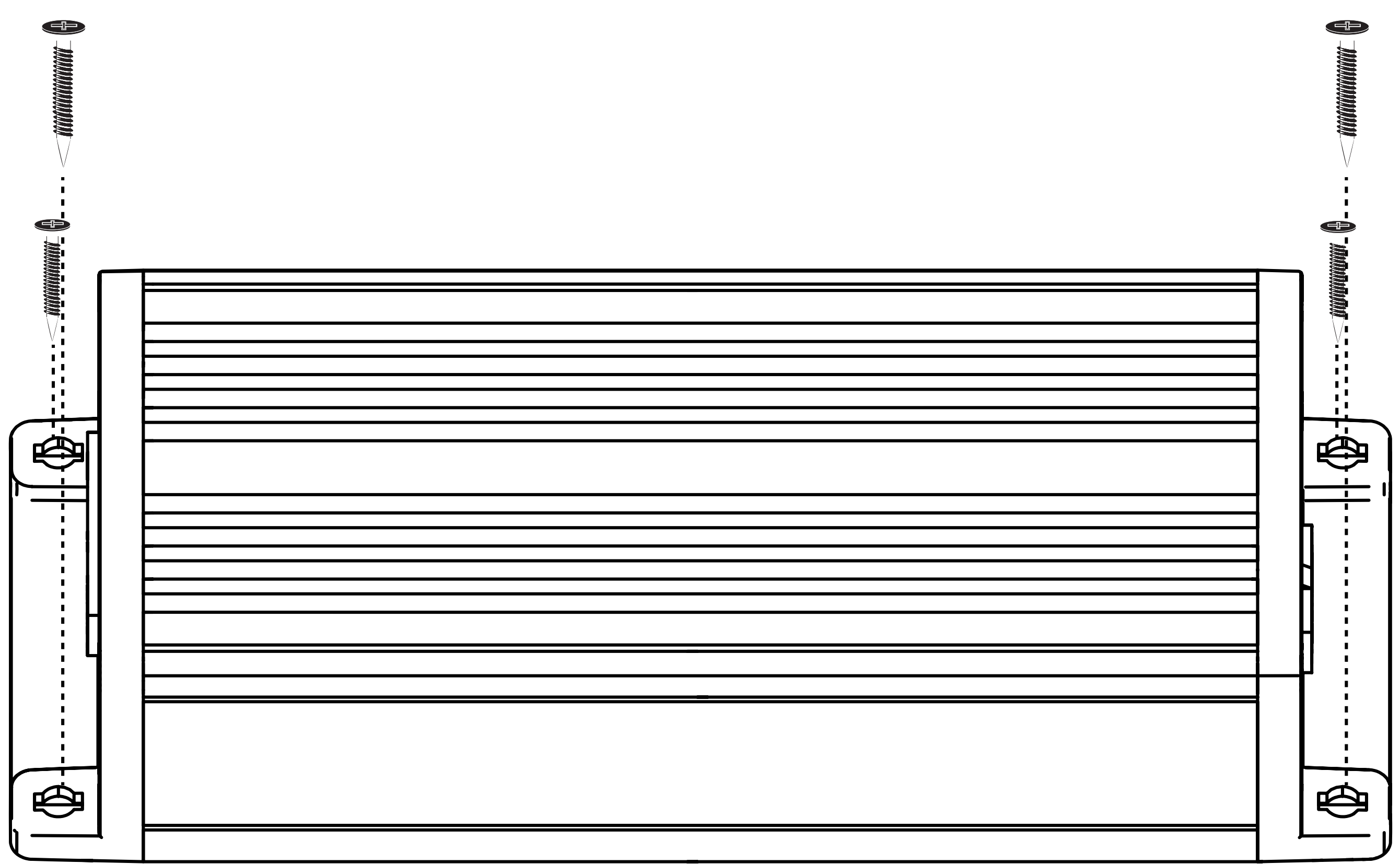
Model:	KEY500.1
RMS Power	
@ 14.4V, 4Ω mono, ≤ 1% THD+N	150 x 1
@ 14.4V, 2Ω mono, ≤ 1% THD+N	300 x 1
@ 14.4V, 1Ω mono, ≤ 1% THD+N	500 X 1
Length [in, cm]	8-1/8, 20.7
Height [in, cm]	1-11/16, 4.3
Width [in, cm]	4-1/8, 9.2
Frequency Response [Hz]	10-160
Signal-to-Noise Ratio [dB]	>90dB, A-weighted, re: rated power
Input Sensitivity	Low Level: 125mV–5V High Level: 1V–40V”
Selectable Electronic Crossover	Variable LO Pass 40–160Hz, Variable HI Pass 10–40Hz
KickEQ™ Bass Boost	Variable 0–6dB @ 40Hz



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.



KICKER will provide a three-year warranty with all KEY-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**.*

Using poor-quality, under-spec wiring kits will impede KEY amplifier performance. A superior-quality KICKER installation Kit is guaranteed to extend the life of KEY 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.

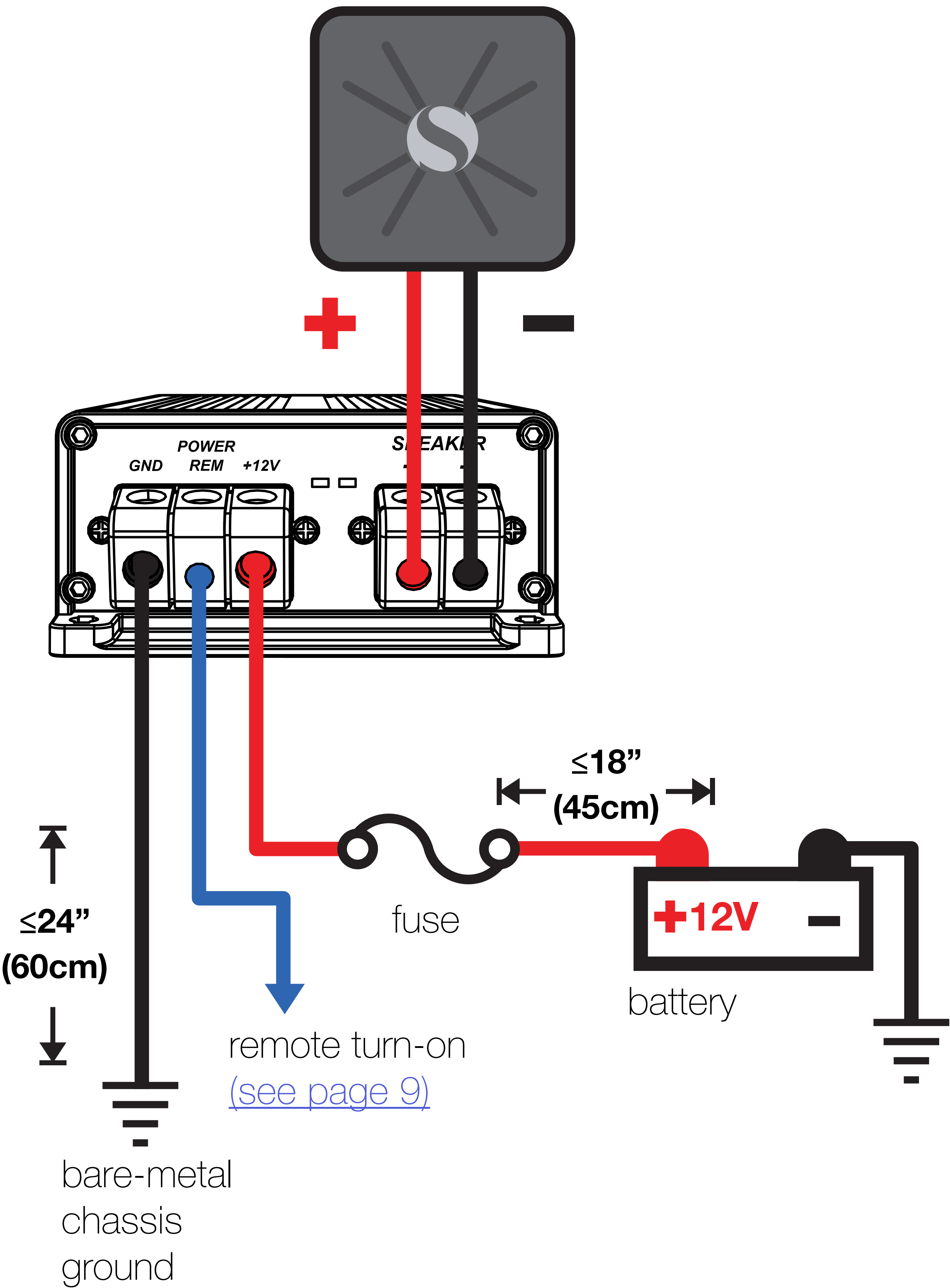
This offer is for a limited time, so see your local Authorized KICKER Dealer soon for details.

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



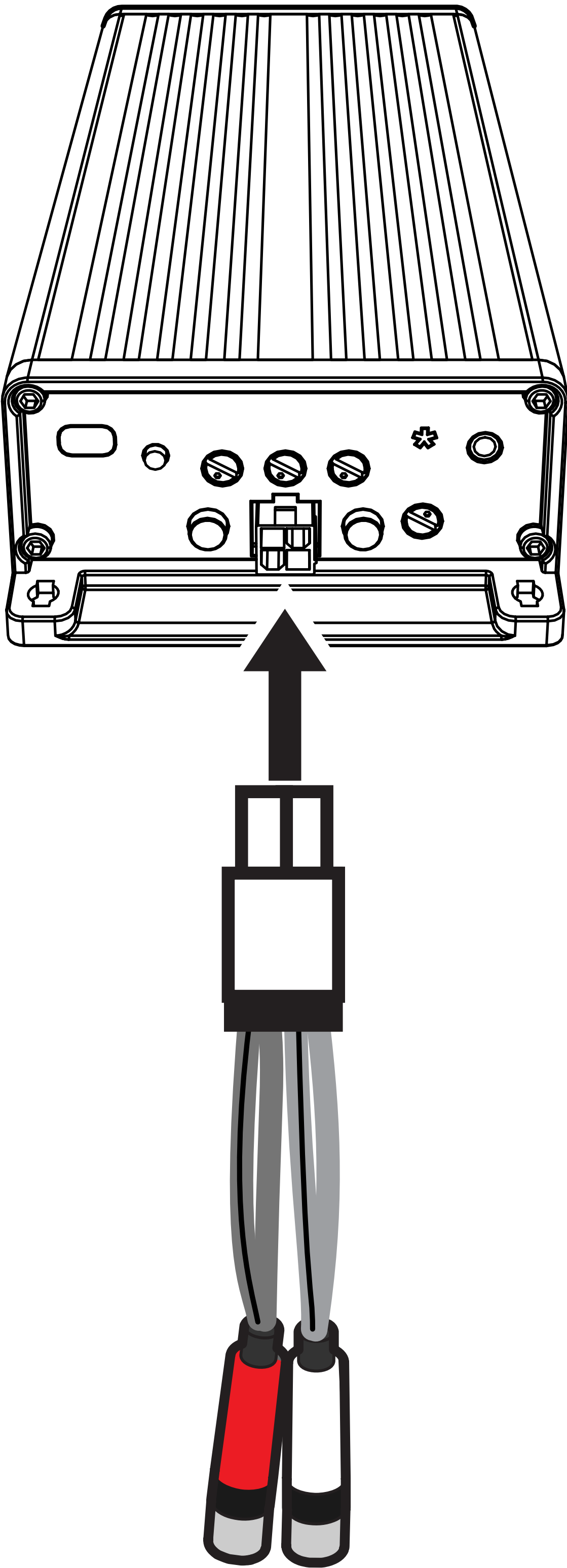
Wiring

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. 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.



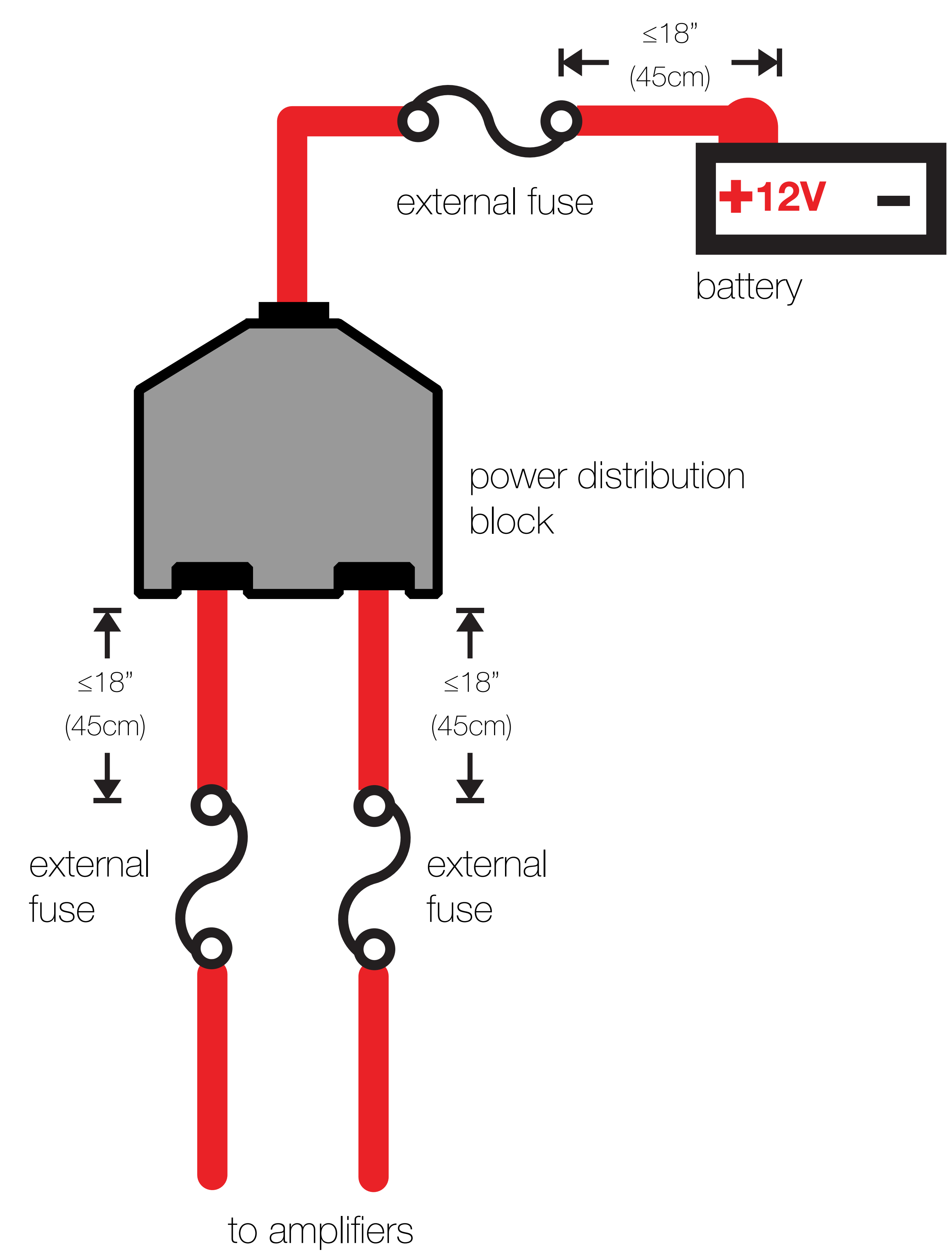
The fuse should be installed within 18” (45cm) of the battery and in-line with the power cable, which is connected to your amplifier. If you ever need to remove the amplifier from the vehicle after it has been installed, the ground wire should be the last wire disconnected from the amplifier--just the opposite as when you installed it. KICKER recommends 8 gauge wire.

External Fuse			
Model	(sold separately)	Power/Ground Wire	KICKER Wiring Kit
KEY500.1	60 Ampere	8 Gauge	PK8, CK8

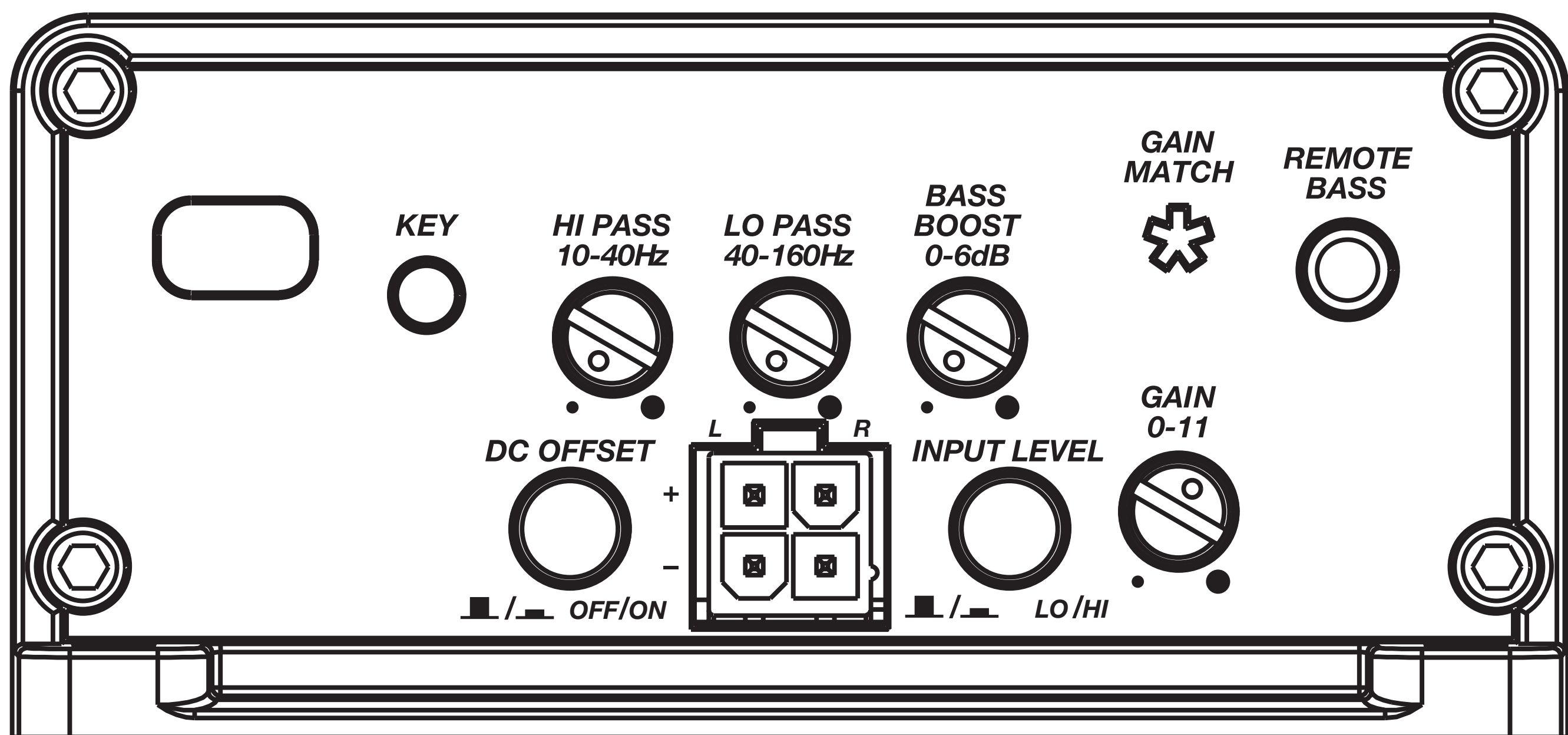


If needed, cut off the RCA connections to use hi-level input, or use the [KICKER KISL Speaker-RCA Converter](#).

For multiple amplifier installations where distribution blocks are used, each amplifier should have its proper-rated fuse 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, but doesn't exceed the capacity of your wiring.



Operation



Features

DC OFFSET: The KEY500.1 automatic turn-on mode uses DC Offset detection, which can be selected on the end panel. Using the DC Offset mode causes the REM wire to have +12V out for turning on additional amplifiers. DC Offset turn-on can only be used if speaker-level (hi-level) audio inputs are being used. The DC offset mode detects a 3V DC offset on the speaker wires when the source unit has been turned on.

INPUT LEVEL: The RCA inputs 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 with Gain Matching: The input gain control is not a volume control. It matches the output of the source unit to the input level of the amplifier and features Gain Matching to prevent clipping the input. Use the KEY500.1 Gain Match track from www.KICKER.com/test-tones with the KEY Auto-Setup to reach the most accurate and best performing settings.

HI-PASS (Subsonic filter): Use the HI-PASS knob of the amplifier to set the internal high-pass crossover from 10–40Hz. The amplifier will pass audio above the selected frequency threshold. This is used to protect the subwoofer driver from over-excursion due to ultra-low frequencies. Typically you want to set it one octave below the enclosure's tuning frequency (eg if the box is tuned for 40Hz, use a setting of 20Hz).

LO-PASS: Use the LO-PASS knob of the amplifier to set the internal low-pass crossover from 40–160Hz. The amplifier will pass audio below the selected frequency threshold. The subwoofer should only play deep sub-bass notes. If you hear vocals from the subwoofer, try lowering the crossover point until only the sub-bass is heard.

BASS BOOST: The variable bass boost control on the side of the amplifier is designed to give you increased output, 0–6dB, 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.

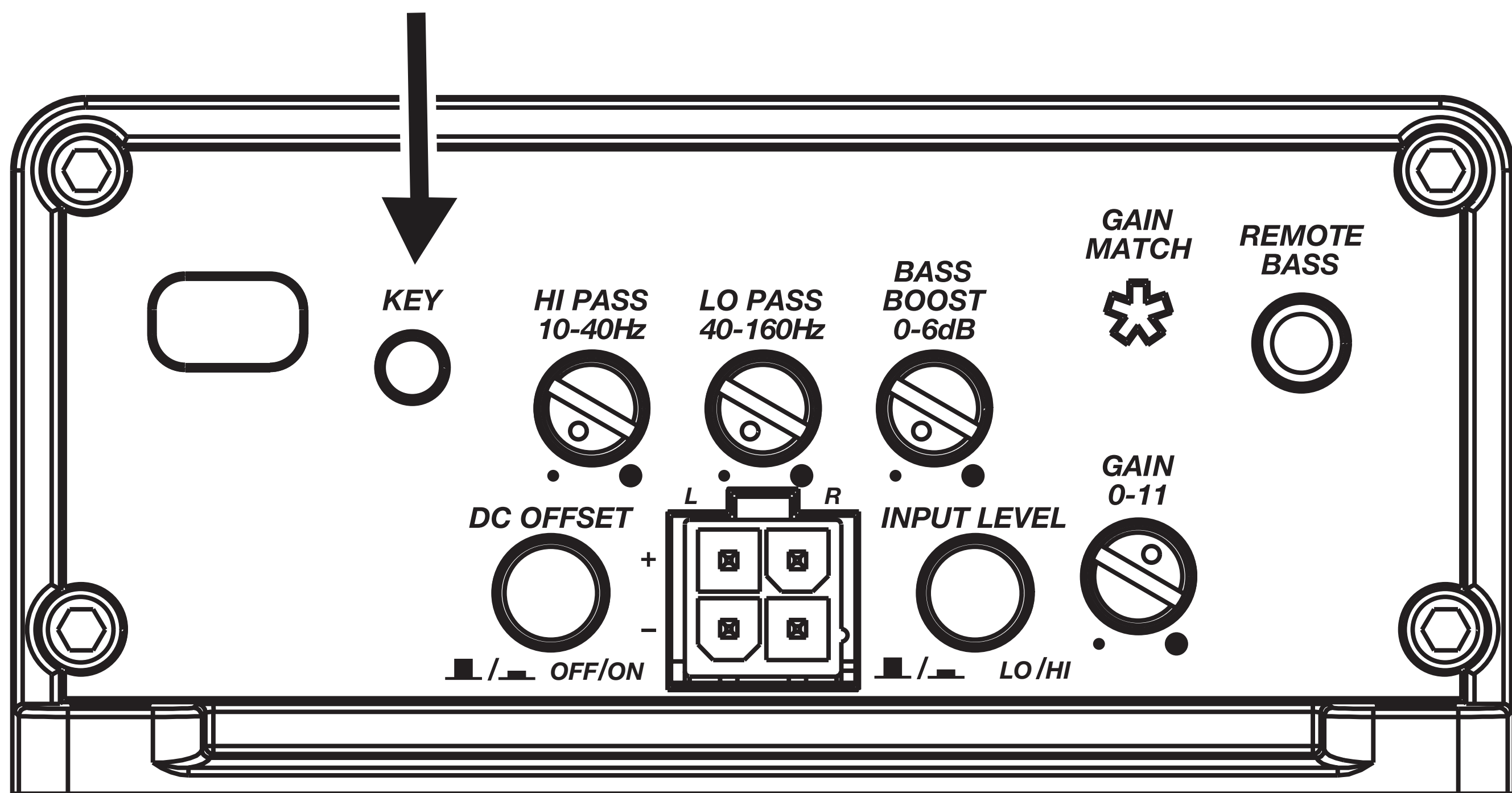
REMOTE BASS: With the optional CXARC remote bass level control, you have the ability to control the

output level of the amplifier remotely. To surface-mount the remote bass level control, simply screw the remote to the chosen location, then run the cable from the controller to the “Remote Bass” jack on the amplifier panel. Once the amplifier’s gain has been properly set, this bass level control allows you to decrease or increase the subwoofer level up to the point of maximum, unclipped (non-distorted) output.

KEY Auto Setup

The KEY Activation Button is a multi-function button that will begin the Auto Setup process, enter Gain Match Mode, toggle between Auto Setup optimized audio and the original audio once the Auto Setup process has been completed, or clear previous Auto Setup settings.

Make sure the vehicle’s [active noise cancellation](#) and [active noise enhancement](#) are disabled beforehand. You will need to load a source for the KEY500.1 test tracks from your head unit, whether CD, MP3, AUX, Bluetooth, USB etc. Uncompressed audio is recommended for best results, as this will ensure full amplitude across the frequency spectrum. Visit <https://www.kicker.com/test-tones> or the KEY500.1 product page and download both the “Key500.1 Gain Match” and the “Key500.1 Sweep” tracks, then proceed with the following steps.



Gain Match: Turn the source unit up to about 3/4 volume or just before the output starts to clip (if the source unit goes to 30, turn it to 23). Press and hold the KEY button for 3 seconds until the gain match LED flashes quickly 3 times. Start the “Key500.1 Gain Match” track (The amplifier mutes its outputs during the Setup process so there will be no sound from the amplifier during setup).

(if the CXARC remote bass has been installed, make sure it is turned up to maximum output)

- 1.** With the gain knob all the way down, slowly turn the input gain up (clockwise) until you see the Gain Match LED light up.
- 2.** Turn it down until the LED no longer flashes.
- 3.** Once the gain has been set, stop the Gain Match track and quickly press the KEY button to exit Gain Match Mode.

KEY Algorithm: You are now ready to start running the KEY algorithm. Press and hold the KEY button for 5 seconds until the Gain Match LED slowly flashes, then release the button. Start the “Key500.1 Sweep” track. While the KEY algorithm is running the Gain Match LED will flash slowly. This process will take about 1.5 minutes and is very loud. After the sweep track finishes, pause the audio. The Gain Match LED will go dark while it is calculating the corrections. This takes about 30 seconds. If the algorithm runs through successfully the Gain Match LED will begin to flash rapidly for 1.5 seconds. If the algorithm fails, the Gain Match LED will go solid.

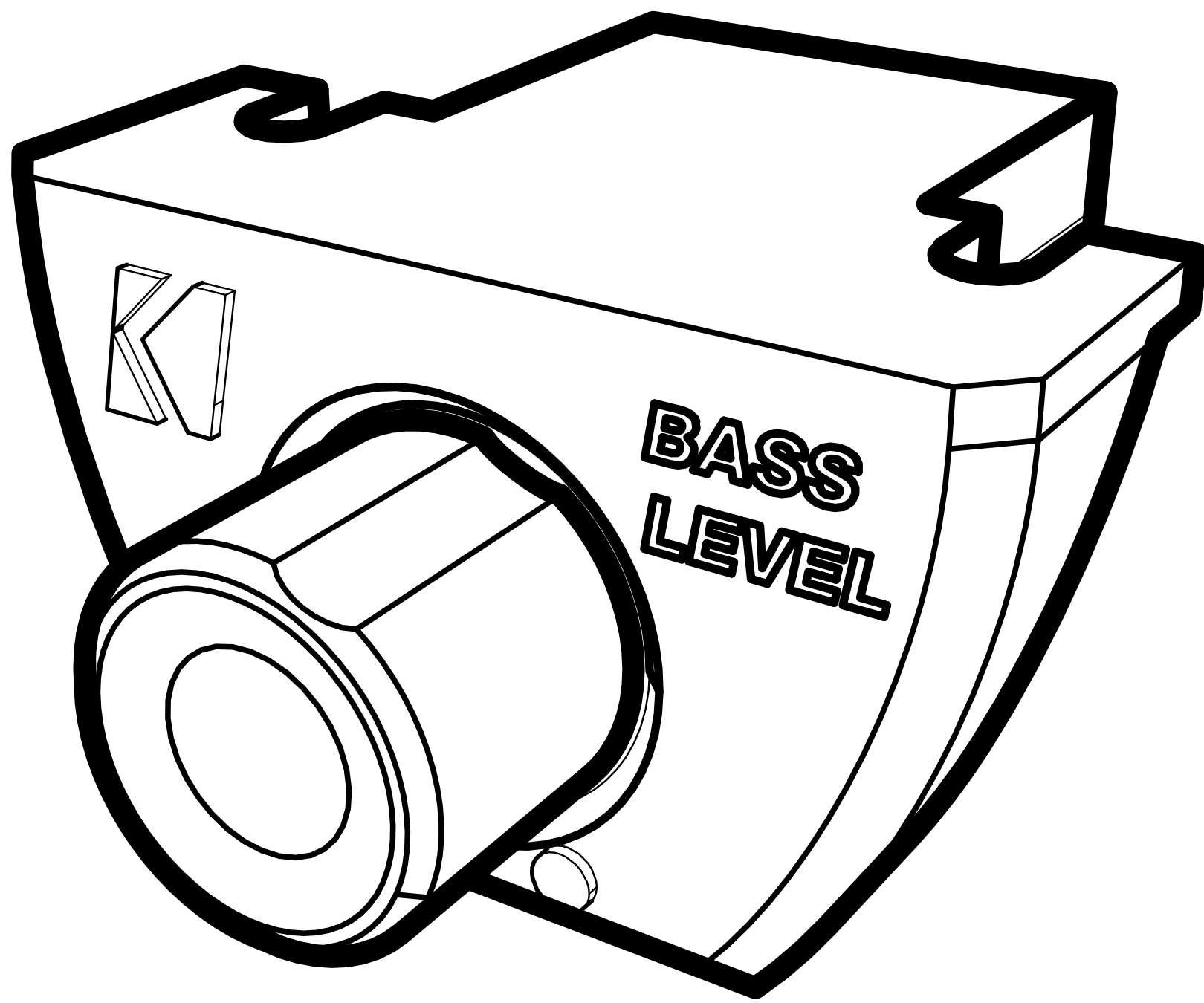
In the event of a failure you will need to short press the KEY button to exit the KEY Setup. If the algorithm fails:

- 1.** Make sure that the Left and Right input are in phase with each other.
- 2.** It is likely that the source unit's output is clipping in the bass frequency range. If you have an oscilloscope, play [KICKER's 20hz to 20khz frequency sweep](#) while measuring the signal.
- 3.** If the source unit's signal is clipping on the oscilloscope (squared off), lower the volume on the source unit until the signal is no longer squared off (clipping) and shows a smooth sine wave during the sweep.

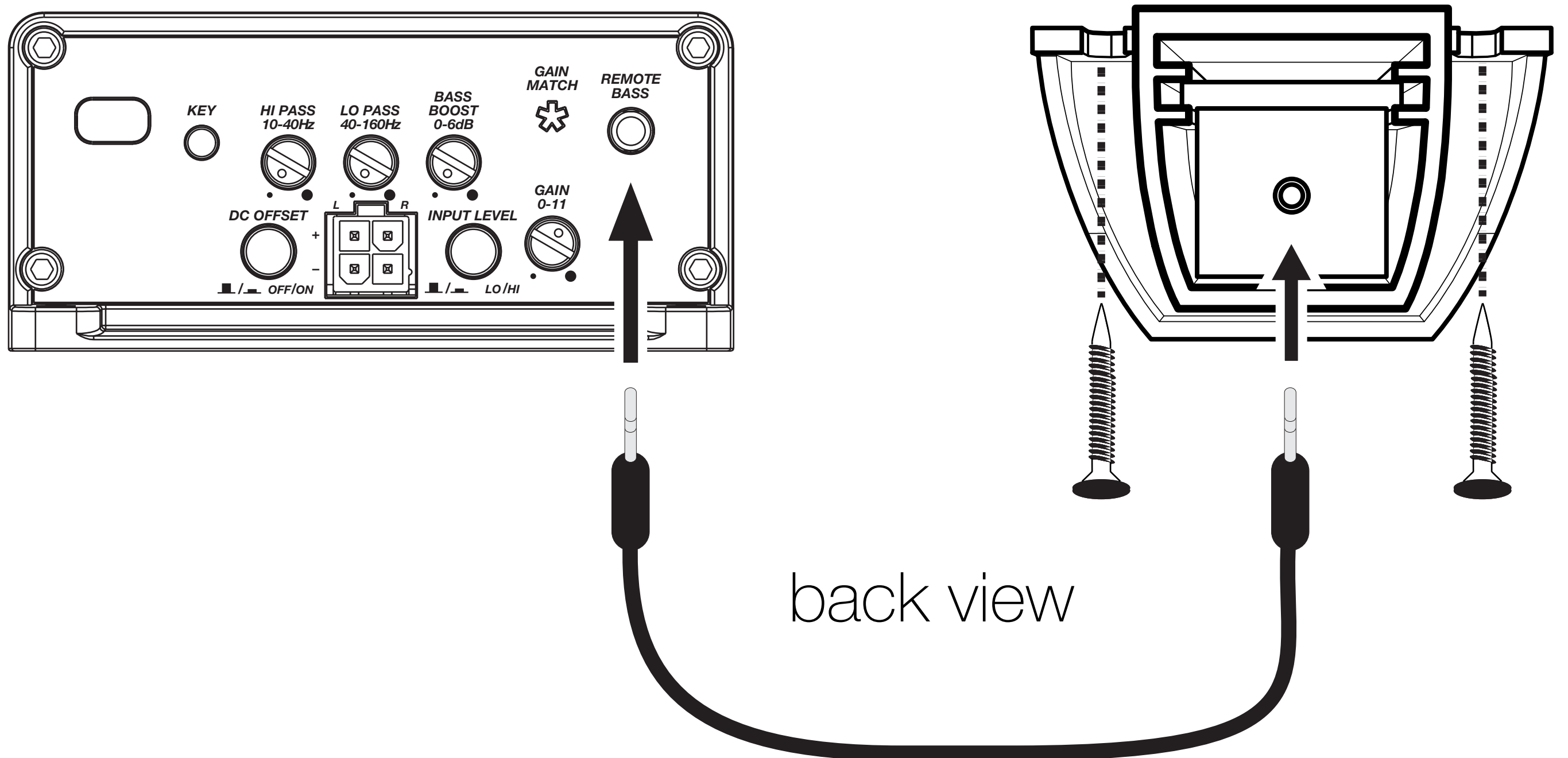
4. If you do not have an oscilloscope, lower the volume 30% from its current setting and run the KEY algorithm again. You may need to lower the source unit's volume by another 30%, as some source units begin clipping at 1/3rd volume.

After the algorithm has been run successfully you can do a single button press of the Key button to A/B the Key audio output in original and corrected form. A single flash indicates corrections are ON, and a double flash indicates corrections are OFF. To reset the KEY algorithm, press and hold programming button 10 seconds. The Gain Match LED will flash 5 times indicating the KEY Algorithm has been reset.

CXARC Remote Bass Installation



Surface-mount the CXARC remote using the supplied screws.



Remote cable passes audio; do not run cable parallel to power wires.

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 KEY 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: **❶**+12 volt power terminal (should read +12V to +16V) **❷**Remote turn-on terminal (should read +12V to +16V) **❸**Check for reversed power and ground connections **❹**Ground terminal, for proper conductivity.

Green LED on, no output? Check the following: **❶**RCA connections **❷**Test speaker outputs with a “known” good speaker. **❸**Substitute source unit with a “known” good source unit. **❹**Check for a signal in the RCA cable feeding the amplifier with the VOM meter set to measure “AC” voltage. Use a 50Hz test tone.

Red (PRT) LED flickering with loud music? The red (PRT) 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 (PRT) LED on, no output? **❶**Amplifier is very hot = thermal protection is engaged. Test for proper impedance at the speaker terminals with a VOM meter set to “DC Resistance” (see the diagrams in this manual for minimum recommended impedance and multiple speaker wiring suggestions). Also check for adequate airflow around the amplifier. **❷**Amplifier shuts down only while vehicle is running = voltage protection circuitry is engaged. Voltage to the amplifier is not within the 6–16 volt operating range. Have the vehicle's charging and electrical system inspected. **❸**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.

GAIN MATCH LED on? Input signal overdrive or gain set too high: Reduce the gain or the strength of the input signal.

No or low output? **❶**Check the balance and fader controls on source unit. **❷**Check the RCA (or speaker input) and speaker output connections. **❸**Check the volume level on your source unit, to include the volume level of any connected phones or MP3 players.

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

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.

If you have more questions about the installation or operation of your new KICKER product, see the Authorized KICKER Dealer where you made your purchase. For more advice on installation, click on the SUPPORT tab on the KICKER homepage, **www.KICKER.com**. Choose the TECHNICAL SUPPORT tab, choose the subject you are interested in, and then download or view the corresponding information. Please E-mail support@KICKER.com or call Technical Services (405) 624-8583 for unanswered or specific questions.

Warranty

When purchased from an Authorized KICKER Dealer, KICKER warrants this product to be free from defects in material and workmanship under normal use for a period of TWO (2) YEARS from date of original purchase with receipt. If this product is identified as “Refurbished” or “B Goods”, the warranty is limited to a period of THREE (3) MONTHS from the date of original purchase. In all cases you must have the original receipt. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction during the warranty period, KICKER will repair or replace (at its discretion) the defective merchandise with equivalent merchandise. Warranty replacements may have cosmetic scratches and blemishes. Discontinued products may be replaced with more current equivalent products. This warranty is valid only for the original purchaser and is not extended to owners of the product subsequent to the original purchaser. Any applicable implied warranties are limited in duration to a period of the express warranty as provided herein beginning with the date of the original purchase at retail, and no warranties, whether express or implied, shall apply to this product thereafter. Some states do not allow limitations on implied warranties; therefore, these exclusions may not apply to you. This warranty gives you specific legal rights; however you may have other rights that vary from state to state.

WHAT TO DO IF YOU NEED WARRANTY OR SERVICE:

Defective merchandise should be returned to your local Authorized Stillwater Designs (KICKER) Dealer for warranty service. Assistance in locating an Authorized Dealer can be found at www.KICKER.com or by contacting Stillwater Designs directly. You can confirm that a dealer is authorized by asking to see a current authorized dealer window decal.

If it becomes necessary for you to return defective merchandise directly to Stillwater Designs (KICKER), call the KICKER Customer Service Department at (405) 624-8510 for a Return Merchandise Authorization (RMA) number. Package only the defective items in a package that will prevent shipping damage, and return to:

Stillwater Designs, 3100 North Husband St, Stillwater, OK 74075

The RMA number must be clearly marked on the outside of the package. Please return only defective components. The return of functioning items increases your return freight charges. Non-defective items will be returned freightcollect to you. For example, if a subwoofer is defective, only return the defective subwoofer, not the entire enclosure. Include a copy of the original receipt with the purchase date clearly visible, and a “proof-of-purchase” statement listing the Customer’s name, Dealer’s name and invoice number, and product purchased. Warranty expiration on items without proof-of-purchase will be determined from the type of sale and manufacturing date code. Freight must be prepaid; items sent freight-collect, or COD, will be refused.

WHAT IS NOT COVERED?

This warranty is valid only if the product is used for the purpose for which it was designed. It does not cover:

- o Damage due to improper installation
- o Subsequent damage to other components
- o Damage caused by exposure to moisture, excessive heat, chemical cleaners, and/or UV radiation
- o Damage through negligence, misuse, accident or abuse. Repeated returns for the same damage may be considered abuse
- o Any cost or expense related to the removal or reinstallation of product
- o Speakers damaged due to amplifier clipping or distortion
- o Items previously repaired or modified by any unauthorized repair facility
- o Return shipping on non-defective items
- o Products with tampered or missing barcode labels
- o Products with tampered or missing serial numbers
- o Products returned without a Return Merchandise Authorization (RMA) number
- o Products purchased from an UNAUTHORIZED dealer
- o Freight Damage
- o The cost of shipping product to KICKER
- o Service performed by anyone other than KICKER

HOW LONG WILL IT TAKE?

KICKER strives to maintain a goal of one week turnaround for all electronics (amplifiers, crossovers, equalizers, etc.) returns. Delays may be incurred if lack of replacement inventory or parts is encountered. Failure to follow these steps may void your warranty. Any questions can be directed to the KICKER Customer Service Department at (405) 624-8510. Contact your International KICKER dealer or distributor concerning specific procedures for your country’s warranty policies.

Garantía | Garantie

Contact your International KICKER dealer or distributor concerning specific procedures for your country's warranty policies.

Our goods come with guarantees that cannot be excluded under the **Australian Consumer Law**. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

GARANTÍA INTERNACIONAL *Versión Español*

Comuníquese con su concesionario o distribuidor KICKER internacional para obtener información sobre procedimientos específicos relacionados con las normas de garantía de su país.

La frase “combustible para vivir la vida Livin’ Loud™ a todo volumen” se refiere al entusiasmo por la vida que la marca KICKER de estéreos de automóvil representa y a la recomendación a nuestros clientes de que vivan lo mejor posible (“a todo volumen”) en todo sentido. La línea de altavoces y amplificadores KICKER es la mejor del mercado de audio de automóviles y por lo tanto representa el “combustible” para vivir a todo volumen en el área de “estéreos de automóvil” de la vida de nuestros clientes. Recomendamos a todos nuestros clientes que obedezcan todas las reglas y reglamentos locales sobre ruido en cuanto a los niveles legales y apropiados de audición fuera del vehículo.

INTERNATIONALE GARANTIE *Deutsche Version*

Nehmen Sie mit Ihren internationalen KICKER-Fachhändler oder Vertrieb Kontakt auf, um Details über die Garantieleistungen in Ihrem Land zu erfahren.

Der Slogan “Treibstoff für Livin’ Loud” bezieht sich auf die mit den KICKER-Autostereosystemen assoziierte Lebensfreude und die Tatsache, dass wir unsere Kunden ermutigen, in allen Aspekten ihres Lebens nach dem Besten (“Livin’ Loud”) zu streben. Die Lautsprecher und Verstärker von KICKER sind auf dem Markt für Auto-Soundsysteme führend und stellen somit den “Treibstoff” für das Autostereoerlebnis unserer Kunden dar. Wir empfehlen allen unseren Kunden, sich bezüglich der zugelassenen und passenden Lautstärkepegel außerhalb des Autos an die örtlichen Lärmvorschriften zu halten.

GARANTIE INTERNATIONALE *Version Française*

Pour connaître les procédures propres à la politique de garantie de votre pays, contactez votre revendeur ou distributeur International KICKER.

L’expression “ carburant pour vivre plein pot “ fait référence au dynamisme de la marque KICKER d’équipements audio pour véhicules et a pour but d’encourager nos clients à faire le maximum (“ vivre plein pot “) dans tous les aspects de leur vie. Les haut-parleurs et amplificateurs KICKER sont les meilleurs dans le domaine des équipements audio et représentent donc pour nos client le “ carburant pour vivre plein pot “ dans l’aspect “ installation audio de véhicule “ de leur vie. Nous encourageons tous nos clients à respecter toutes les lois et réglementations locales relatives aux niveaux sonores acceptables à l’extérieur des véhicules.

P.O. Box 459
Stillwater, Oklahoma 74076
USA
(405) 624–8510



KICKER® KEY500.1™ Mono Amplifier

Customer Information Card | Tarjeta de Información | Carte Info | Infokarte



Dear Music Enthusiast,

Thank you and congratulations on your purchase of the KICKER KEY500.1 smart audio amplifier! The KEY-Series amplifier combines our time proven audio designs with state-of-the-art patented digital technology, to provide the best audio performance in a vehicle. The KEY amplifier uses digital circuitry for gain-matching, crossover frequency control, AutoEQ, Compression, Limiter, and more, that automatically tunes your system to audiophile performance in your vehicle. It's the best of all worlds, packed into a tiny powerhouse amp that delivers our signature KICKER Performance for your musical enjoyment.

Sincerely
Steve Irby
President/CEO

Estimado amante de la música:

¡Gracias y felicitaciones por su compra del amplificador de audio inteligente KEY500.1 de KICKER! El amplificador de la serie KEY combina nuestros diseños de audio de calidad reconocida con tecnología digital moderna, para brindar el mejor rendimiento de audio en un vehículo. El amplificador KEY emplea circuitos digitales para sincronizar la ganancia, controlar el divisor de frecuencia, ecualizar automáticamente, comprimir, limitar, y mucho más. Calibra automáticamente su sistema con el rendimiento digno de un audiófilo dentro de su vehículo. Es lo mejor de todos los mundos, presentado en forma de un potente amplificador diminuto que aloja a nuestro KICKER característico de alto rendimiento para que disfrute de la música.

Atentamente,
Steve Irby
Presidente/CEO

Chère/Cher audiophile,

Merci et félicitations pour votre achat d'amplificateur audio intelligent KICKER KEY500.1 ! L'amplificateur série KEY associe nos conceptions audio éprouvées à notre technologie numérique brevetée de pointe pour assurer les meilleures performances audio qui existent dans un véhicule. L'amplificateur KEY utilise un circuit numérique pour la correspondance de gain, le contrôle des filtres de fréquence, AutoEQ, la compression, le limiteur, etc. qui ajuste automatiquement votre système pour des performances dignes d'un audiophile dans votre véhicule. Il réunit le meilleur de tous les domaines, au sein d'un amplificateur puissant et compact qui assure des performances de niveau KICKER pour votre plaisir musical.

Cordialement,
Steve Irby
Président/PGD

Sehr geehrter Musikliebhaber,

Vielen Dank und herzlichen Glückwunsch zum Kauf des intelligenten Audioverstärkers KICKER KEY500.1! Der Verstärker der KEY-Serie kombiniert unsere bewährten Audiodesigns mit modernster, patentierter Digitaltechnologie, um die beste Audioleistung in einem Fahrzeug zu liefern. Der KEY-Verstärker verwendet digitale Schaltungen für Gain-Matching, Frequenzweichensteuerung, AutoEQ, Komprimierung, Begrenzer, und mehr, die Ihr System automatisch auf audiophile Leistung in Ihrem Fahrzeug abstimmen. Er vereint das Beste aus allen Welten in einem kleinen Verstärker-Kraftwerk, das unsere unverwechselbare KICKER Performance für Ihren Musikgenuss liefert.

Mit freundlichen Grüßen
Steve Irby
President/CEO

IMPORTANT: KICKER recommends a professional installation performed by licensed providers. You are solely responsible for safely mounting and wiring your products.

IMPORTANTE: KICKER recomienda que se realice una instalación profesional con proveedores con licencia. Usted es el único responsable por la instalación segura y el cableado de sus productos.

IMPORTANT: KICKER recommande une installation professionnelle effectuée par des fournisseurs agréés. Vous êtes l'unique responsable du montage et du câblage de vos produits en toute sécurité.

WICHTIG: KICKER empfiehlt eine professionelle Montage durch lizenzierte Anbieter. Sie haben die alleinige Verantwortung für die sichere Montage und Verkabelung Ihrer Geräte.

Scan here for
owner's manual
Escanee aquí para manual
del Propietario



Scannen Sie hier nach
benutzerhandbuch
Scannez ici pour manuel
d'utilisation

KEY Auto Setup: Once the KEY has been wired and mounted, visit <https://www.kicker.com/test-tones> or the KEY500.1 product page and download both the "Key500.1 Gain Match" and the "Key500.1 Sweep" tracks, then proceed with the following steps:

Gain Match: Turn the source unit up to about 3/4 volume or just before the output starts to clip. (If the source unit goes to 30, turn it to 23). Press and hold the KEY button for 3 seconds until the gain match LED flashes quickly 3 times. Start the "Key500.1 Gain Match" track (The amplifier mutes its outputs during the Setup process so there will be no sound from the amplifier during setup). With the gain knob all the way down, slowly turn the input gain up (clockwise) until you see the Gain Match LED light up, then turn it down until the LED no longer flashes. Once the gain has been set, stop the Gain Match track and quickly press the KEY button to exit Gain Match Mode.

KEY Algorithm: You are now ready to start running the KEY algorithm. Press and hold the KEY button for 5 seconds until the Gain Match LED goes solid, then release the button. Start the "Key500.1 Sweep" track. While the KEY algorithm is running the Gain match LED will flash slowly. This process will take about 1.5 minutes. After the sweep track finishes, pause the audio. The Gain match LED will go dark while it is calculating the corrections. This takes about 30 seconds. If the algorithm runs through successfully the Gain Match LED will begin to flash rapidly for 1.5 seconds. If the algorithm fails, the Gain Match LED will go solid. In the event of a failure you will need to short press the KEY button to exit the KEY Setup. See the manual for trouble shooting guide if the algorithm fails.

After the algorithm has been run successfully you can do a single button press of the Key button to A/B the Key audio output in original and corrected form. A single flash indicates corrections are ON, and a double flash indicates corrections are OFF. To reset the KEY algorithm, press and hold programming button 10 seconds. The Gain Match LED will flash 5 times indicating the KEY Algorithm has been reset.

Configuración automática de KEY: Una vez que haya conectado e instalado el KEY, visite <https://www.kicker.com/test-tones> o la página del producto KEY500.1, descargue las pistas "Key500.1 Gain Match" y "Key500.1 Sweep". Luego, ejecute los siguientes pasos:

Sincronización de ganancia: Suba el volumen de la unidad fuente hasta aproximadamente 3/4 o antes de que la salida empiece a recortarse (si la unidad fuente llega a 30, súbala a 23). Mantenga presionado el botón KEY durante 3 segundos hasta que el LED de sincronización de ganancia parpadee rápido 3 veces. Inicie la pista "Key500.1 Gain Match" (El amplificador silencia sus salidas durante el proceso de Configuración, de modo que no emitirá sonidos durante la configuración). Con el botón de ganancia totalmente hacia abajo, gire la perilla de entrada de ganancia hacia arriba (en el sentido de las agujas del reloj) hasta que el LED de sincronización de ganancia se encienda. Luego, gírela hacia abajo hasta que el LED ya no parpadee. Cuando se haya configurado la ganancia, detenga la pista Sincronización de ganancia y presione rápidamente el botón KEY para salir del modo de Sincronización de ganancia.

Algorithm KEY: Ahora está listo para comenzar a ejecutar el algoritmo KEY. Mantenga presionado el botón KEY durante 5 segundos hasta que el LED de Sincronización de ganancia deje de parpadear. Luego, suelte el botón. Inicie la pista "Key500.1 Sweep". Mientras el algoritmo KEY se esté ejecutando, el LED de Sincronización de ganancia parpadeará lentamente. Este proceso llevará alrededor de un minuto y medio. Cuando el barrido finalice, pausa la pista de audio. El LED de Sincronización de ganancia se oscurecerá mientras calcula las correcciones. Esto demora aproximadamente 30 segundos. Si el algoritmo se ejecuta exitosamente, el LED de Sincronización de ganancia comenzará a parpadear rápidamente durante un segundo y medio. Si el algoritmo falla, el LED de Sincronización de ganancia dejará de parpadear. Si se produce una falla, deberá presionar el botón KEY durante un tiempo corto para salir de la Configuración del KEY. Si el algoritmo falla, consulte el manual para obtener la guía de resolución de problemas.

Cuando el algoritmo se haya ejecutado exitosamente, puede presionar el botón Key una vez para comparar la salida de sonido del Key entre su configuración original y la corregida. Si parpadea una vez, indica que las correcciones están activadas, si parpadea dos veces, indica que las correcciones están desactivadas. Para restablecer el algoritmo KEY, mantenga presionado el botón de programación durante 10 segundos. El LED de Sincronización de ganancia parpadeará 5 veces, lo que indica que el algoritmo KEY se ha restablecido.

Auto-configuration du KEY : Une fois le KEY installé et branché, rendez-vous à l'adresse <https://www.kicker.com/test-tones> ou consultez la fiche produit KEY500.1 pour télécharger les pistes "Key500.1 Gain Match" et "Key500.1 Sweep", puis suivez les étapes suivantes :

Correspondance de gain : réglez l'unité source à environ 3/4 du volume maximal ou juste avant écrêtage de la sortie (si l'unité source va jusqu'à 30, réglez-la à 23). Appuyez sur le bouton KEY pendant 3 secondes jusqu'à ce que la LED de correspondance de gain clignote rapidement 3 fois. Démarrez la piste "Key500.1 Gain Match" (l'amplificateur met ses sorties en sourdine pendant le processus de configuration, aucun son ne sortira donc de l'amplificateur pendant la configuration). Une fois le bouton du gain d'entrée descendu jusqu'en bas, tournez le gain d'entrée (dans le sens des aiguilles d'une montre) jusqu'à ce que la LED de correspondance de gain s'allume, puis tournez-le jusqu'à ce que la LED arrête de clignoter. Une fois le gain configuré, arrêtez la piste Gain Match et appuyez rapidement sur le bouton KEY pour quitter le mode de correspondance de gain.

Algorithm KEY : vous êtes maintenant prêt(e) à exécuter l'algorithme KEY. Appuyez sur le bouton KEY pendant 5 secondes jusqu'à ce que la LED de correspondance de gain reste fixe, puis relâchez le bouton. Démarrez la piste "Key500.1 Sweep". Pendant que l'algorithme KEY s'exécute, la LED de correspondance de gain clignote lentement. Ce processus prendra environ 1 minute et 30 secondes. Une fois le balayage terminé, mettez en pause la piste audio. Les LED de correspondance de gain s'éteindront pendant le calcul des corrections. Cela prend environ 30 secondes. Si l'algorithme s'exécute avec succès, la LED de correspondance de gain commencera à clignoter rapidement pendant 1,5 seconde. Si l'algorithme échoue, la LED de correspondance de gain deviendra fixe. En cas d'échec, vous devrez appuyer brièvement sur le bouton KEY pour quitter la configuration KEY. Consultez le guide de dépannage du manuel en cas d'échec de l'algorithme.

Une fois que l'algorithme a été exécuté avec succès, vous pouvez appuyer une fois sur le bouton KEY pour activer la sortie audio Key A/B dans sa forme originale et corrigée. Un seul clignotement indique que les corrections sont appliquées et deux clignotements indiquent que les corrections ne sont pas appliquées. Pour réinitialiser l'algorithme KEY, appuyez sur le bouton de programmation pendant 10 secondes. La LED de correspondance de gain clignotera 5 fois, indiquant que l'algorithme KEY a été réinitialisé.

KEY-Autosetup: Sobald der KEY verdrahtet und montiert ist, besuchen Sie bitte <https://www.kicker.com/test-tones> oder die KEY500.1-Produktseite und laden Sie die Tracks „Key500.1 Gain Match“ und „Key500.1 Sweep“ herunter. Fahren Sie dann mit den folgenden Schritten fort:

Gain Match: Drehen Sie das Ausgangsgerät auf ca. 3/4 der Lautstärke oder bis kurz vor Einsetzen der Übersteuerung auf. (falls das Ausgangsgerät bis 30 geht, stellen Sie es auf 23 ein) Halten Sie die KEY-Taste 3 Sekunden lang gedrückt, bis die Gain-Match-LED dreimal schnell blinkt. Starten Sie den Track „Key500.1 Gain Match“ (Der Verstärker ist während der Einrichtung stummgeschaltet. Das bedeutet, dass während der Einrichtung kein Ton vom Verstärker kommt). Drehen Sie den Verstärkungsregler von ganz unten langsam nach oben (im Uhrzeigersinn), bis die Gain-Match-LED aufleuchtet. Drehen Sie ihn dann wieder nach unten, bis die LED nicht mehr blinkt. Sobald Sie die Verstärkung eingestellt haben, stoppen Sie den Gain-Match-Track und drücken Sie schnell die KEY-Taste, um den Gain-Match-Modus zu verlassen.

KEY-Algorithmus: Jetzt sind Sie bereit, den KEY-Algorithmus laufen zu lassen. Halten Sie die Taste 5 Sekunden lang gedrückt, bis die Gain-Match-LED durchgehend leuchtet, und lassen Sie die Taste dann los. Starten Sie den Track „Key500.1 Sweep“. Während der KEY-Algorithmus läuft, blinkt die Gain-Match-LED langsam. Dieser Prozess wird ungefähr anderthalb Minuten dauern. Sobald der Sweep abgeschlossen ist, unterbrechen Sie die audiospur. Verdundelt sich die Gain-Match-LED, während die Korrekturen berechnet werden. Das dauert ca. 30 Sekunden. Falls der Algorithmus erfolgreich durchlaufen wurde, beginnt die Gain-Match-LED für 1,5 Sekunden schnell zu blinken. Falls der Algorithmus fehlschlägt, wird die Gain-Match-LED durchgehend leuchten. Im Falle eines Fehlschlags müssen Sie die KEY-Taste kurz drücken, um das KEY Setup zu verlassen. Im Handbuch finden Sie eine Anleitung zur Fehlerbehebung, falls der Algorithmus fehlschlägt.

Nachdem der Algorithmus erfolgreich durchlaufen wurde, können Sie die Key-Taste einmal drücken, um einen A/B-Test zum Vergleich des Key-Audioausgangs in der ursprünglichen mit der korrigierten Form durchzuführen. Ein einfaches Blinken zeigt an, dass die Korrekturen AKTIVIERT sind, und ein doppeltes Blinken zeigt an, dass die Korrekturen DEAKTIVIERT sind. Um den KEY-Algorithmus zurückzusetzen, halten Sie die Programmierstaste 10 Sekunden lang gedrückt. Mit dem fünfmaligen Blinken der Gain-Match-LED wird angezeigt, dass der KEY-Algorithmus zurückgesetzt wurde.

