

INSTALLATION INSTRUCTIONS

ST400 CRUISER EDITION WITH AUX-IN |

CHROME OR BLACK FINISH

ST400

THANK YOU FOR CHOOSING STEEL HORSE AUDIO!

Protect yourself and others from possible injury and property damage or loss. Pay close attention to all instructions, warnings, cautions, and notices regarding the installation, use, and care of this product.

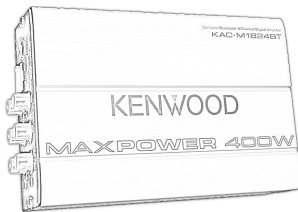
WARNING THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN POTENTIAL DEATH OR SERIOUS INJURY.

CAUTION THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN MINOR OR MODERATE POTENTIAL INJURY.

NOTICE THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN MAY NEGATIVELY AFFECT PRODUCT PERFORMANCE AND FUNCTIONALITY OR DAMAGE THE PRODUCT ITSELF OR THE PRODUCT TO WHICH IT IS BEING ATTACHED.

ENSURE THAT THE FOLLOWING PARTS HAVE BEEN INCLUDED IN THE KIT:

Kenwood 400W Amp with Handlebar Controller & USB Charger



Pair of 1" Handlebar Clamps



Kicker Speakers in Chrome or Black Finish



Pair of 1-1/4" Handlebar Clamps



Cable Ties



3.5mm (headphone) to RCA (amplifier) cable



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NOTICE

THESE INSTALLATION INSTRUCTIONS CONTAIN IMPORTANT INFORMATION. ENSURE THE END USER RECEIVES THIS COPY AND IS AWARE OF ITS IMPORTANCE FOR FUTURE USE.

WHEN CONNECTING POWER AND GROUND WIRES ENSURE THAT THE RED POWER WIRE IS FUSED AT THE POINT WHERE IT IS CONNECTED TO THE VEHICLE'S BATTERY. FAILURE TO DO SO CAN RESULT IN DAMAGE TO THE VEHICLE IF A SHORT CIRCUIT DEVELOPS BETWEEN THE VEHICLE CONNECTION POINT AND THE PRODUCT.

WARNING

THE END USER'S SAFETY DEPENDS UPON PROPER INSTALLATION OF THIS PRODUCT. IF A STEP IN THESE INSTRUCTIONS IS NOT WITHIN YOUR CAPABILITIES OR YOU DO NOT HAVE THE CORRECT TOOLS, HAVE YOUR DEALER PERFORM THE PROCEDURE. IMPROPER INSTALLATION OF THIS PRODUCT COULD RESULT IN DEATH OR SERIOUS INJURY.

ACCIDENTAL VEHICLE START-UP COULD CAUSE DEATH OR SERIOUS INJURY, REMOVE THE MAIN FUSE BEFORE PROCEEDING.

INTRODUCTION

Thank you for purchasing this Steel Horse Audio ST400 Motorcycle Speaker System that can use any audio device with a headphone jack including iPhone® and Android® smartphones. This easy to install and use, all in one unit is capable of transforming any music into an all in one motorcycle audio experience. Designed to mount on any motorcycle handle bars with a 1" or 1-1/4" diameter (other sizes available upon request for 7/8", 1-1/8" and 1-1/2"). Congratulations and enjoy the ultimate audio experience!

FEATURES

AMPLIFIER SPECS:

- 3.5mm AUX-IN connection
- Easy to install with simple wiring to speakers and power
- Includes all wiring and installation accessories

4" KICKER SPEAKER SPECS:

- Steel housings with triple plate chrome or satin black finish
- Measures 4.75" Diameter by 3" depth mounting size for easy mounting, even behind a windshield
- Includes two pair of bar mount brackets: 1" and 1-1/4"

INSTALLATION

The Steel Horse Audio ST400 Cruiser Edition Motorcycle Speaker System can be used with any 12-volt battery and can be mounted to a variety of bars using the included hardware. Mount the speakers where they have sufficient clearance, position the speakers so the speakers are directly pointed at the rider.

STEP 1

MOUNT BRACKETS TO HANDLEBAR FIRST, THEN INSTALL SPEAKERS

Determine the diameter of the handlebar and use either the 1" Bracket or the 1-1/4" Bracket

Note: If you have a different diameter handlebar (7/8", 1-1/8" or 1-1/2") you can request that bracket to be shipped separately.



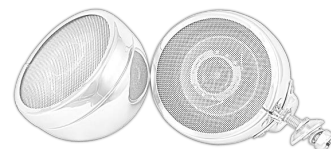
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- STEP 2** Install brackets on handlebars where speakers do not obstruct the riders view (such as the handlebars, engine guards or highway/crash bars). Use allen screws that is included on the bracket. The clamps themselves will tighten to the bar when the speakers are installed
- STEP 3** Once brackets are installed, add the speakers:
A) Remove the nut and lock washer only and feed the speaker wire through the bracket hole and attach each speaker to the bracket. Put the lock washer and nut back on through the wire and tighten speaker to bracket. (Flat washer and lock washer go on the bottom). *Do not over-tighten!*
- STEP 4** Adjust the speakers so they are directed at the rider's head. To adjust, just slightly loosen the nut on the speaker stem and move the speaker up or down to align. Make sure all screws are securely fastened and tightened.
- STEP 5** Route speaker wires through the bike's frame to where the amplifier will be installed and proceed to the next steps in amplifier and power connection.



NOTICE

SECURE THE WIRING AWAY FROM MOVING PARTS, PINCH POINTS, OR EXTREME HEAT. STEEL HORSE AUDIO WILL NOT PROVIDE WARRANTY COVERAGE ON ANY ELECTRICAL COMPONENT THAT FAILS DUE TO PINCHED, CRIMPED, BROKEN, ABRADED, MELTED, OR FRAYED WIRES.

AMPLIFIER & POWER CONNECTION

- STEP 1 AMPLIFIER MOUNTING**
Find a place to mount the amplifier such as a tool compartment, under the seat, fork bag, saddlebag, swing arm bag, windshield bag, etc. Most places will be fine, but try to avoid areas that could cause extreme overheating (such as tight places wrapped in foam or cotton). Remember, the amp can get wet, it is waterproof! (follow Kenwood instructions)



AMPLIFIER POWER AND CONTROL CONNECTION

- STEP 1** Connect the Yellow power wire from the wire harness to the positive terminal on the battery. The Black wire is a ground wire and needs to be attached to the negative terminal on the battery. (or to the vehicle's chassis where paint has been removed. The shorter the wire, the better)
- STEP 2** Take the Blue (w/ white stripe) remote-on wire and run it to a switched power source (headlight, taillight, etc). If blue, yellow & black wires are not connected, system will NOT work. Wait to plug harness in to amplifier until you complete next steps.

**Use the included amplifier wiring kit to extend any of these wires. Thin Blue wire will be to extend the Blue remote-on wire, the thicker purple wire can be used to extend the Yellow power wire, and the shorter Black wire can be used to extend the Black ground wire.

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Speaker to Amplifier connection:

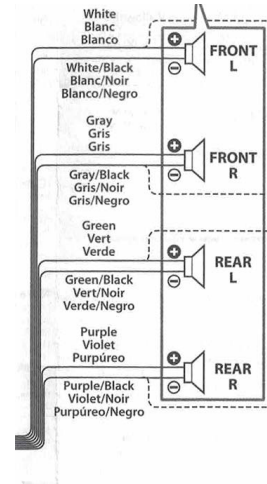
Connect the speaker wires to the corresponding wires on the amplifier as follows:

- STEP 1** LEFT SPEAKER (-): Connect the **SQUARED** wire w/ **WHITE LETTERING** to the **WHITE/BLACK** wire from amp (L-)
- STEP 2** LEFT SPEAKER (+): Connect the **ROUNDED** wire to the **WHITE** wire from the amp (L+)
- STEP 3** RIGHT SPEAKER (-): Connect the **SQUARED** wire w/ **WHITE LETTERING** to the **GRAY/BLACK** wire from amp (R-)
- STEP 4** RIGHT SPEAKER (+): Connect the **ROUNDED** wire to the **GRAY** wire from the amp (R+)

NOTICE

To use **AUX-IN**: Connect RCA end to amplifier RCA input side **A** & other end to headphone port of your audio device/mobile. Note: Please note with this type of connection, the audio source will control the volume of the system.

To use **BLUETOOTH**: You must purchase a Bluetooth controller option separately and follow instructions to connect. We offer a few options that work perfectly with your ST400 system. The ST400 system is not Bluetooth out of the box and **Volume and tracks are controlled directly with your the audio device unless you add a Bluetooth controller**





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FINAL STEPS

!!! IMPORTANT !!!

1. When first listening to your system, you may need to adjust the GAIN on the amplifier to your preferred level. If using a 4-speaker system, please note there is a different gain for the front and rear. Be sure to crank them both up!
2. **Always set CROSSOVER to 'HPF' or 'OFF' on the amp. NEVER USE LPF (LPF will cut out all the highs and mids and sound terrible)



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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, this is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a different circuit than the one to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

5-YEAR WARRANTY

Steel Horse Audio warrants that any Steel Horse Audio products sold hereunder, shall be free of defects in materials & workmanship for a period of five (5) years from the date of purchase by the consumer excepting the following provisions:

1. Steel Horse Audio shall have no obligation in the event the customer is unable to provide a receipt showing the date the customer purchased the product(s).
2. The product must be properly installed, maintained & operated under normal conditions.
3. Steel Horse Audio shall not be liable for any consequential & incidental damages, including labor & paint, resulting from failure of a Steel Horse Audio product, failure to deliver, delay in delivery, delivery in nonconforming condition, or for any breach of contract or duty between Steel Horse Audio & a customer.
4. Steel Horse Audio products are often intended for use in specific applications. Steel Horse Audio makes no warranty if used in applications other than intended.
5. Steel Horse Audio speaker systems are warranted for five (5) years from the date of purchase by the consumer.
6. All warranty claims must be directed to the place of purchase. Merchandise sold through internet auction sites or any other unauthorized reseller shall not carry a Steel Horse Audio warranty. If unsure, please contact the place of purchase to verify they are an authorized Steel Horse Audio reseller.

RETURN POLICY

Merchandise may be returned up to 60 days from the date of purchase. Returns must be processed through original seller. Returned merchandise for any other reason other than warranty claims must be in like new condition & subject to a 20% restocking fee. All returns are subject to inspection for determination of full or partial credit. Any returned part that shows evidence of being used or installed contrary to manufacturer's instructions, &/or subjected to improper handling, packaging or return shipping by the customer, will not be eligible for exchange, refund or warranty consideration. All returned electrical items will be inspected & tested. If electrical item is deemed functional, no credit will be issued & item will be returned. All sales are final on discontinued or closeout merchandise.

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