

INSTALLATION INSTRUCTIONS

ST600 CRUISER EDITION WITH BLUETOOTH®

ST600

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.

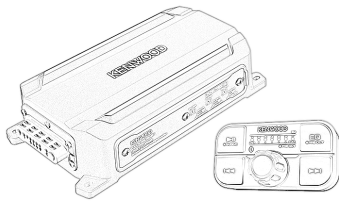
WARNING THIS INDICATION ALERTS YOU TO THE FACT THAT IGNORING THE CONTENTS DESCRIBED HEREIN CAN RESULT IN POTENTIAL DEATH OR SERIOUS INJURY.

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 600W Amplifier + Controller



Pair of 1" Handlebar Clamps



4" or 5.25" Kicker Speakers in Chrome or Black Finish



Pair of 1-1/4" Handlebar Clamps



Universal Handlebar Mount for Controller



Cable Ties



STEELHORSEAUDIO.COM

800-823-5310 | INFO@STEELHORSEAUDIO.COM

Steel Horse Audio #237 | 1540 Main St. Bldg 218 | Windsor, CO 80550





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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.

CAUTION

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 ST600 Motorcycle Speaker System with built in Bluetooth, plus 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:

- Bluetooth and a RCA/3.5mm AUX-IN connection
- Easy to install with simple wiring to speakers and power
- Waterproof handlebar mount controller with Bluetooth® control
- Universal strap mount for handlebar mounting of controller
- Includes all wiring and installation accessories

4" KICKER SPEAKER SPECS:

- Steel housings with triple plate chrome or 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" (1-1/2", 1-1/8" & 7/8" available upon request)
- 600 Watts Power | ~10 amp power draw

INSTALLATION

NOTICE

The Steel Horse Audio ST600 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.

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.

**In the following steps you will be mounting the speakers, handlebar remote and amplifier, then running the wire from the speakers to the amplifier. Then wiring the amplifier to power and plugging in the handlebar remote. Please be sure to follow all the steps, as one missed step can cause the system to not work properly or not work at all.*

We are not responsible for systems that are not installed correctly or not used properly!

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STEP 1 **MOUNT BRACKETS TO HANDLEBAR**

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 2 **MOUNT THE SPEAKERS**

Remove the nut, flat washer and lock washer only, and feed the speaker wire through the bracket hole and attach the stem of each speaker to the brackets. 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 3

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 4

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.

CAUTION

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.

STEP 5 **MOUNT THE AMPLIFIER**

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 could cause extreme overheating (such as tight places wrapped in foam or cotton).



STEP 6 **CONNECT AMPLIFIER POWER AND MOUNT CONTROLLER**

Connect the Yellow power wire from the wire harness to the POSITIVE (+) terminal on the battery.

Connect the Black Ground wire from the wire harness to the NEGATIVE (-) terminal on the battery.

Take the Blue (w/ white stripe) remote-on wire and run it to to a switched power source (headlight, taillight, etc). This is a source that comes on and off with the bike and will tell the system to turn on and off with your vehicle to prevent battery drain.

If blue, yellow & black wires are not connected, system will NOT work. Wait to plug harness in to amplifier until you complete next steps.



STEP 7

Mount the remote using the supplied **strap mount** and run the remote control wire from the handlebar (or wherever you mount the controller) to the amplifier and plug it in to the amplifier.

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CONNECT SPEAKERS TO AMPLIFIER

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

STEP 8 LEFT SPEAKER (-): Connect the **SQUARED** wire w/ WHITE LETTERING to the **WHITE/BLACK** wire from amp (L-)

LEFT SPEAKER (+): Connect the **ROUNDED** wire to the **WHITE** wire from the amp (L+)

RIGHT SPEAKER (-): Connect the **SQUARED** wire w/ WHITE LETTERING to the **GRAY/BLACK** wire from amp (R-)

RIGHT SPEAKER (+): Connect the **ROUNDED** wire to the **GRAY** wire from the amp (R+)

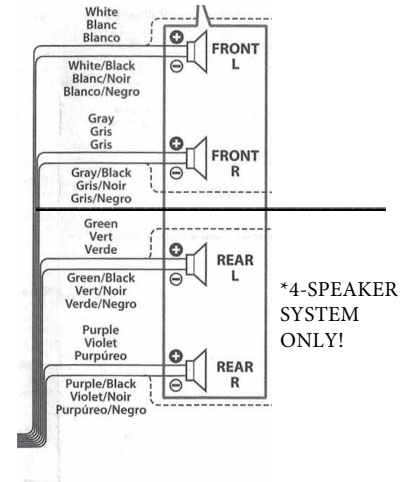
*4-SPEAKER SYSTEM ONLY:

LEFT REAR SPKR (-): Connect the **SQUARED** wire w/ WHITE LETTERING to the **GREEN/BLACK** wire from amp (L-)

LEFT REAR SPEAKER (+): Connect the **ROUNDED** wire to the **GREEN** wire from the amp (L+)

RIGHT REAR SPKR (-): Connect the **SQUARED** wire w/ WHITE LETTERING to the **PURPLE/BLACK** wire from amp (R-)

RIGHT REAR SPEAKER (+): Connect the **ROUNDED** wire to the **PURPLE** wire from the amp (R+)



NOTICE

FIRST TIME SETUP

Handlebar Remote will be in pairing mode when first turning on your system. Just select "RC-WPAMPBT..." from your Bluetooth device to pair. If it does not appear to be in pairing mode, then hold down Pairing button until the light starts to blink slowly in blue.

EQ Modes are 1: Flat, 2: Rock, 3: Pop, 4: Easy, 5: Top 40, 6: Jazz, 7: Powerful

*****For other less common features and functions of the remote, please refer to the separate KENWOOD amplifier instructions for more details.**



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IMPORTANT FINAL STEPS

- ! STEP 1 !** Make sure OUTPUT MODE on the amp is set to *3-4CH* on the amp - Even when using only 2 speakers! The 2CH (BRIDGED) option will produce too much power for the speakers to handle and requires special wiring.
- ! STEP 2 !** Make sure the Filter settings are set to OFF or HPF, depending on your listening preference. OFF will produce more bass but not quite as loud. HPF will be louder but produce less bass.
- STEP 3** When first listening to your system, you may need to adjust the FADER on the amplifier to your preferred level, especially if using the 4-speaker system.
- STEP 4** Check the volume levels and EQ on your audio device as this can have a significant effect on sound quality and output.



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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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