

INSTALLATION INSTRUCTIONS

ST900 PLATINUM EDITION WITH BLUETOOTH®, AUX-IN | CHROME OR BLACK FINISH

ST900

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:

Rockford Fosgate 900+ Watt Amplifier



Pair of 1" Handlebar Clamps



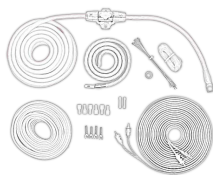
Kicker Speakers in Chrome or Black Finish



Pair of 1-1/4" Handlebar Clamp



Complete Wire Kit



Cable Ties



3.5mm (headphone) to RCA (amplifier) cable



Handlebar Mount Bluetooth Audio Controller by MTX



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.

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 ST900 Motorcycle Speaker System with Bluetooth or playback from 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/CONTROLLER SPECS:

- Bluetooth® and a 3.5mm (Headphone) AUX-IN connection
- Easy to install with simple wiring to speakers and power
- Waterproof handlebar mount controller with Bluetooth® control
- 1" and 1-1/4" p-clamp mount for controller
- 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" (1-1/2" available upon request)
- Over 900 Watts Peak Power (typically more than 1000 watts tested total) | ~20 amp power draw

INSTALLATION

The Steel Horse Audio ST900 Platinum 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 they are directly facing 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 separately and we will ship them free of charge.*



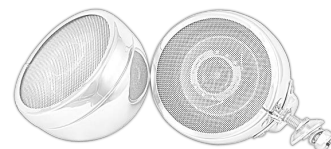
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- STEP 2** Install brackets where speakers do not obstruct the riders view (such as the handlebars, engine guards or highway/crash bars). Use allen screws that are included on the bracket. The clamps themselves will tighten to the bar when the speakers 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 clamp. (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.

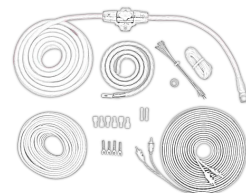
AMPLIFIER & POWER CONNECTION

- STEP 1 AMPLIFIER MOUNTING**
Find a place to mount the amplifier away from direct exposure to the elements 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). The amp can get some moisture but is not waterproof!
Note: Keep the included fuse off the fuse holder until all wiring connections have been made and secured.



AMPLIFIER POWER CONNECTION

- STEP 1** Pull out the power block plug from the amp to begin power wire connection. Then, take the thick **black** wire included with the amp and attach it to (G)round on the power block, then run the other end to the negative (-) battery terminal (or to the vehicle's chassis where paint has been removed).
- STEP 2** Take the longer, thicker **Purple** power wire and attach it to (B+) positive on the power block, then connect the other end to positive (+) battery terminal.
- STEP 3** Take the thinner **blue** remote-on wire and connect it to REM on the amplifier power block, then run it to where the Bluetooth® Receiver + Controller will be mounted. (If you will **NOT be using the Bluetooth/Controller**, then connect this to a switched power source (headlight, tallight, etc) instead. Connect power block plug back to amp and make sure it is fully pushed in.



NOTICE

If these blue, black & purple wires are not connected, system will NOT work.

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

NOTICE

To use AUX-IN Only (No Bluetooth/No Controller): Connect RCA end to amplifier RCA inputs & other end to headphone port of your audio device/mobile and *skip to final steps*. Note: with this type of connection, the audio source will control the volume of the system.

*****To use BLUETOOTH (and the handlebar controller) you must complete these steps:**

- STEP 1** Connect the Red wire power wire from the MTX controller 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 a place on the frame where paint is removed).
- STEP 2** Extend and connect the Blue 12V output wire from the Bluetooth Audio Controller to the Blue wire from the Rockford amplifier (that you ran earlier). This will allow the Bluetooth Audio Controller to turn on and off the system (**plus it has an auto-off after 5 minutes of no source connection to prevent battery drain!**).

NOTICE

Note: The blue wire on the Bluetooth Audio Controller should not be connected to any positive or negative 12V source. This wire needs to connect to the blue remote wire from the amplifier ONLY. Do not connect it to the main power of any device.

- STEP 3** Use the included 3.5mm to RCA cable and connect directly to the 3.5mm female connector on the Bluetooth Audio Controller. Route and secure the wiring away from any moving parts, ****Connect the other end (RCA) to the FRONT (Input) side of the amplifier RCA Harness.**





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IMPORTANT FINAL STEPS

!!! IMPORTANT !!!

1. When first listening to your system, you will need to adjust the GAIN on the amplifier to your preferred level. We recommend between 9 and 11. Also check the volume levels and EQ on your audio device. This step can make a huge difference in sound quality and volume output level.

NOTICE

2. Always select 2 Channel (2CH.) on this amplifier - this is for the INPUT and input will always be 2 channel regardless of how many speakers you use

3. Also, ALWAYS be sure to set the crossover switch to "HP or AP ONLY" on the amp (Test them both to get the sound that is best for you)

REMOTE OPERATION

1. Play/Pause - The Play/Pause button gives you the ability to play or to pause the current track with a single press. Holding the Play/Power button for 2 seconds will turn the unit On if currently Off or Off if currently powered On. The unit will beep to indicate when power is turned Off.

Note:

a. The unit will stay on indefinitely as long as a Bluetooth device is actively paired to the MUDBTRC.

b. The unit will turn Off after 5 minutes when there is no active Bluetooth device connection.

c. The Play/Pause button will illuminate when the unit is powered On.

d. The Play/Pause button will blink when the music track is paused.

2. Track Forward and Track Back - The unit will switch audio tracks being played by pressing the track forward and track back buttons. Pressing and holding these buttons for 2 seconds will fast forward or rewind the audio track that is being played.

3. Volume Up and Volume Down - These buttons will turn up or turn down the output of the Bluetooth unit so any external connected amplifier output will go up or down accordingly. When the unit has reached the minimum or maximum output level, the unit will beep to indicate that no further adjustment is possible.

4. Bluetooth Auto-Pair Mode

a. Turn the unit On.

b. Search for MTX REMOTE from your device's Bluetooth menu

c. Select Pair.

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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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