

## **TROUBLE SHOOTING**

### **NO SOUND**

Is the LED lit?

**YES**



**STILL NO SOUND**

See your Authorize Sound Stream Dealer.

**NO**

Check Power and Remote turn-on wire for voltage.  
Make sure Ground wire is secure.

### **SOUND IN ONE CHANNEL ONLY**

Reverse left and right speakers by unplugging the speaker connector, turning it over and plugging it back in.

**SOUND IS NOW ON**

**OPPOSITE CHANNEL**

Reverse RCA inputs



**SOUND IS NOW ON**

**OPPOSITE CHANNEL**

Reverse RCAs at head unit



**SOUND IS NOW ON**

**OPPOSITE CHANNEL**

Problem is in the head unit  
or before the amplifier

**SAME CHANNEL**

Problem is in the speaker of  
speaker wire of the silent channel

**SAME CHANNEL**

Problem is in the Amplifier, See your  
local Authorized Dealer

**SAME CHANNEL**

Problem is in the RCA cables

## **PROTECTION CIRCUIT**

**Short Circuit Protection engaged:** The amplifier will turn off and try to come back on immediately. The amplifier will cycle like this indefinitely, with “blips” of sound each time. If this is the case, check your speakers and wiring for low impedance and short circuits.

**Thermal Protection engaged:** The amplifier will turn off and several minutes later will come back on. In this case, ensure that there is nothing blocking the normal convective airflow of the amplifier. No obstruction should be within 2” of the amplifier on all sides.

**NOTE: Low battery voltage will cause the amplifier to run warmer and possibly damage the amplifier.**

## **Caution:**

**Please do not plug in or unplug RCA  
plugs to the amplifier inputs while  
the amplifier is turned on. Doing  
so is potentially harmful to the amplifier  
by allowing RF (radio frequencies)  
into the amplifier, causing  
instability during the brief period while  
the RCA shield is not connected, and the  
power is connected. Only plug in or unplug  
RCA plugs with the amplifier off as  
standard practice with all audio equipment.**

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# **SOUNDSTREAM®**

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**T E C H N O L O G I E S**

## **Owner's Manual and Installation Guide**

## **BASS XTREME SERIES**

## **BXA4-1800**

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## **CONGRATULATIONS!**

You now own a **SOUNDSTREAM** Amplifier, the product of an uncompromising design and engineering philosophy.

To maximize the performance of your system, we recommend that you thoroughly acquaint yourself with its capabilities and features. Please retain this manual and your sales receipt for future reference.

Soundstream amplifiers are the result of American innovation and the highest quality control standards. When properly installed, they will provide you with many years of listening pleasure. Should your amplifier ever need service or replacement due to theft, please record the following information which will help protect your investment.

**Serial #** \_\_\_\_\_

**Dealer's Name** \_\_\_\_\_

**Date of Purchase** \_\_\_\_\_

**Installation Shop** \_\_\_\_\_

**Installation Date** \_\_\_\_\_

### **CAUTION!**

Prolonged listening at extremely high levels may result in hearing loss. Even though your new **Soundstream Bass Xtreme Amplifier** sounds better than anything you've heard, exercise caution to prevent hearing damage.

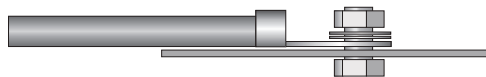
## **SPECIFICATIONS:**

MODELS	BXA4-1800
Power (4 Ohms)	150w x 4
Power (2 Ohms)	200w x 4
Bridged Power ( 4 Ohms)	400w x 2
Max Power	1800w
Low Pass Crossover ( Variable)	50-400Hz
High Pass Crossover	50-400Hz
Bass Boost	12 dB
Total Harmonic Distortion	0.05%
Input	High/Speaker Level & Low Level/RCA Input
Input Sensitivity	200mV- 6V
Frequency Response	20Hz - 20Hz
Signal-to-Noise Ratio	105dB
Channel Separation	90dB
Damping Factor	180+
Fuse Values	35A x 2
Dimension	8.125"w x 2.125" x 11.75"l

## **FEATURES**

- Four Channel MOSFET POWER AMPLIFIER
- Maximum power 1800 Watts
- 4-ohm Stereo, 2-ohm Bridged Full Range Amplifier
- Variable 12dB High & Low pass Crossovers
- High/Speaker Level & Low level/RCA Input
- 12dB Bass Boost Increase Low Octave Harmonics
- Direct short, Thermal & Overload Circuit Protection
- Frequency Response: 20Hz-25Hz
- Signal-to-Noise Ratio: 105dB
- Input Sensitivity: 200mV-6V
- Total Harmonic Distortion : 0.05%
- Variable 50-400Hz 12dB High Pass Crossover
- Variable 50-400Hz 12dB Low Pass Crossover
- LED Power and Protection Indicators

## Tools/ Parts For Installation



### NOTE: TOOLS ARE NOT SUPPLIED

Small Standard screwdriver, Phillips screwdriver (#2 or medium sized), Wire cutters, Wire strippers, - #6 round head screws, and 1 - #8 sheet metal screw (or nut, bolt flat washer, start washer) (see detail), 2 Ring connectors (large enough to accommodate your method of grounding), In-line fuse or circuit breaker.

## Built-in Crossover

All **SOUNDSTREAM** Amplifiers feature built-in electronic crossovers. The

Amplifiers feature continuously-variable low pass crossovers and continuously-variable high pass crossovers, with bandpass options.

## Protection Circuitry

The amplifier protection circuitry will disable the amplifier if the inputs are overloaded, short-circuited or extremely high temperature conditions are detected. When the protection mode is in operation, the LED indicator on the front panel will be illuminated, indicating the amplifier has gone into a self-preservation mode.

If you observe that the protection LED is lit, please check the system carefully to determine what has caused the protection circuit to engage. The amplifier can be reset by turning the remote power off and then on again. If the amplifier shuts down due to a thermal overload condition, please allow it to cool down before powering up. If the amplifier shuts down because of an input overload or short circuit, be sure to repair these conditions before attempting to power up the amplifier again.

## 2 Ohm Operation (in stereo mode)

Your **SOUNDSTREAM** Amplifier was designed to operate effectively at loads down 2 Ohms.

This means that you can install four 8 Ohm speakers per channel when using parallel wiring. Increasing the number of woofers per channel at low frequencies (up to 100Hz) produces an acoustic coupling effect. This acoustic coupling increases your power output by 3 dB per speaker doubling.

When operating at 2 Ohms, the amplifiers will increase their output power by approximately 50%. The current draw will also increase by about the same amount, so be sure you have enough current to run the amplifiers into a 2 Ohm load. If you lack adequate current, your music reproduction will be distorted.

Please note: The gain control of any car audio amplifier should not be mistaken for a volume control. It is a sophisticated device, designed to match the output level of your audio source unit to the input level of the amplifier. Do not adjust this input level to maximum unless your input level requires it. Ignoring these instructions will result in an input overload to the amplifier, and excessive audio distortion. It can also cause the protection circuit to engage.

## Electrical Wiring

All **SOUNDSTREAM** Amplifiers are equipped with easy top access screw terminals. These terminals are nickel-plated in order to ensure excellent electrical contact and to resist corrosion.

When making electrical connections to the amplifier, please observe the following:

- Use at least 8 gauge or heavier wire for power and ground connections.
- Wire the amplifier directly to the car battery. Make sure there is circuit protection (Such as a fuse) on the positive power lead, within 18 inches of the battery.
- For the ground connection, use the shortest possible wire to a good chassis ground point.
- Wire the Remote connection to the remote turn-on lead of your equalizer or head unit. In some cases this may be the power antenna lead of the head unit.

## Fuses

Fuses protect both the amplifier and the electrical system of your vehicle from faulty conditions. If you must replace the fuse in your **SOUNDSTREAM** amplifier, use a fuse of exactly the same type and rating. A different type or rating may result in damage or cause a fire.

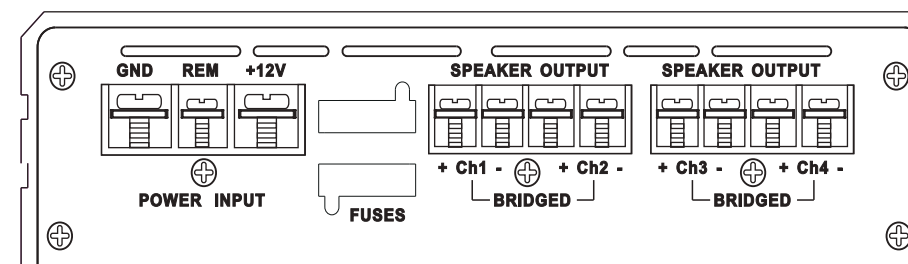
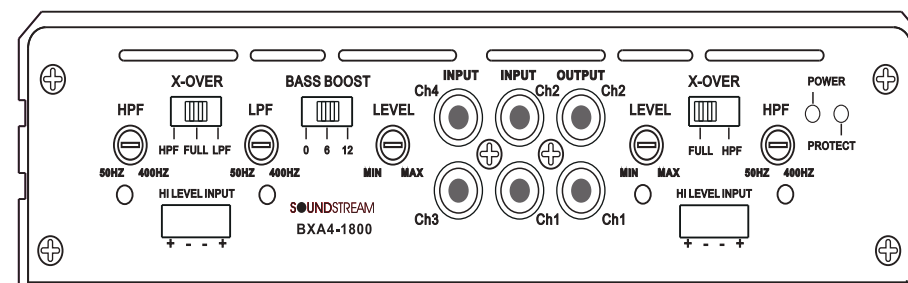
## Mounting the Amplifier

Mark the location for the mounting screw holes by positioning the amplifier where you wish to install it and use a scribe (or one of the mounting screws) inserted in each mounting hole to mark the mounting surface. If the mounting surface is carpeted, measure the hole centers and mark with a felt tip pen.

Drill pilot holes in the mounting surface for the mounting screws and insert the mounting screws into these holes. Tighten them securely.

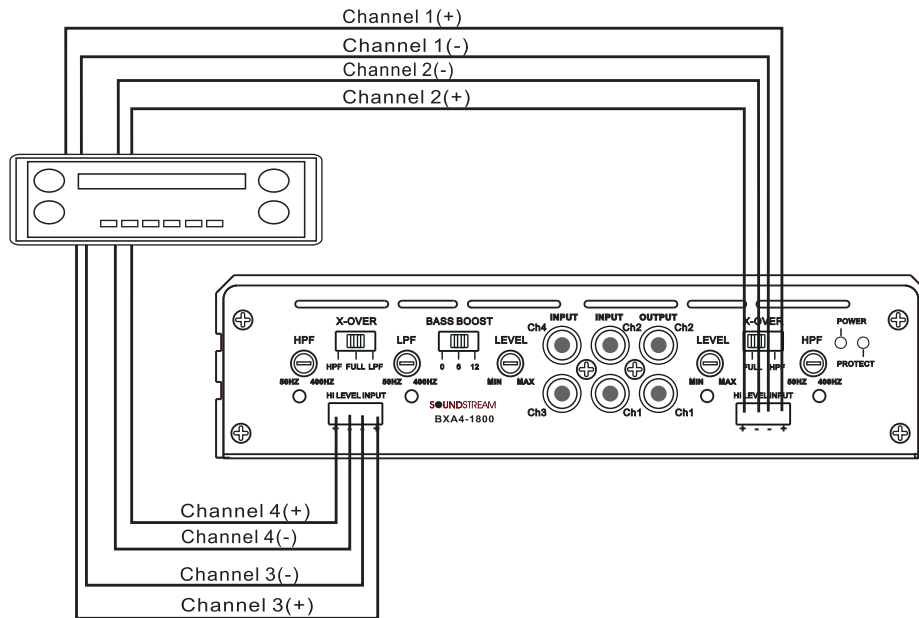
**Note:** Before beginning your installation, be sure to take note of any wires, lines or other devices in your vehicle which may be located behind any mounting surface.

## BXA4-1800 Front / Rear

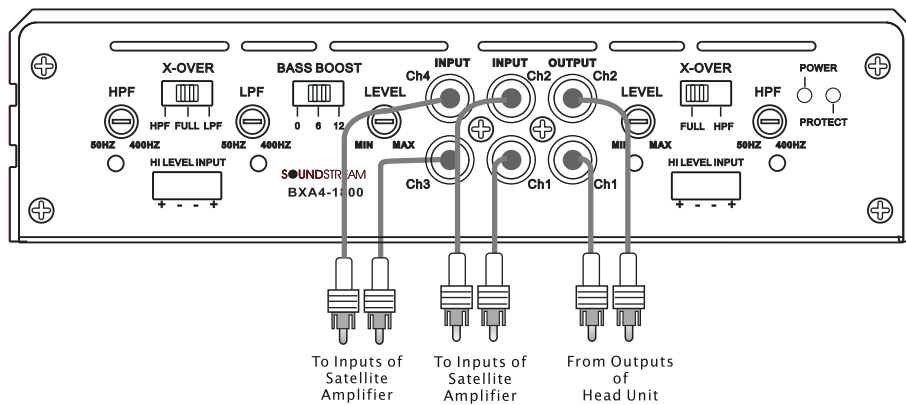


## High Level Inputs

**WARNING:** If you use High Level (Speaker) inputs, do not use the Low Level inputs at the same time.



## Low Level Inputs



**NOTE:** The amplifier may receive its input signal from a head unit or signal processors subwoofer outputs.

## Speakers Connections

