
The **CONTINUUM**

5/3 Channel

Commemorative

Power Amplifier

OWNERS MANUAL AND
INSTALLATION GUIDE

SOUNDSTREAM[®]

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

CONGRATULATIONS!

You now own **The CONTINUUM Amplifier**, the product of an uncompromising design and engineering philosophy based on 10 years of amplification excellence.

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 and installation receipts for future reference.

Soundstream amplifiers are the result of American craftsmanship and the highest quality control standards, and when properly installed, 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 high levels may result in hearing loss. Even though your new Soundstream CONTINUUM sounds better than anything you've ever heard, exercise caution to prevent hearing damage.

PLEASE NOTE;

Because the CONTINUUM heatsink proudly displays its raw aluminum, you may find ever-so-slight variations from one amplifier to the next. These variations are perfectly normal!

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SOUNDSTREAM®

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

PROJECT CONTINUUM

During the past ten years Soundstream has defined high fidelity for the car. Innovation after innovation, we have continued our quest for perfection .

Our REFERENCE series of hand-crafted American amplifiers represent our most significant contribution to date. Dramatic advances in both construction and output capability include solid brass 4 gauge power connections, massive circuit traces, the PowerGrid power storage bank, the Darlington Power Array, Dual Discrete Class A Drive Stages and our proprietary LSE.Q Subwoofer Equalization Circuit.

Historically, our most popular amplifiers have been the multi-channel designs, particularly the 5/3 channel models. Our MC245 won the CES Innovation Award, an *AVI Int'l* Grand Prix and is a much sought after classic. The remarkable REFERENCE405 has become the new benchmark for its combination of performance and flexibility. It is the first amplifier in audio history to receive **both** the *AVI Int'l* Grand Prix Award and the European Car Audio Press (ECAP) Product of the Year.

For our tenth anniversary, in limited edition, we give you THE CONTINUUM. . . the pinnacle of Soundstream's REFERENCE technology.

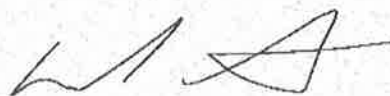
THE CONTINUUM incorporates our most massive PowerGrid power supply (with 24,000 microfarads of internal storage), a fully variable steep slope 2 or 3-way crossover, our flexible LSE.Q equalization circuit, a special "rear fill" high frequency De-emphasis circuit and, in celebration of our anniversary, it is finished in a combination of hard chrome and a unique 4-step mirror-finish polished aluminum.

You have made a remarkable purchase, one that will give you years and years of pleasure as it did us, during the 10 years of its creation. All of us at Soundstream Technologies thank you, and extend to you our congratulations.

Sincerely,



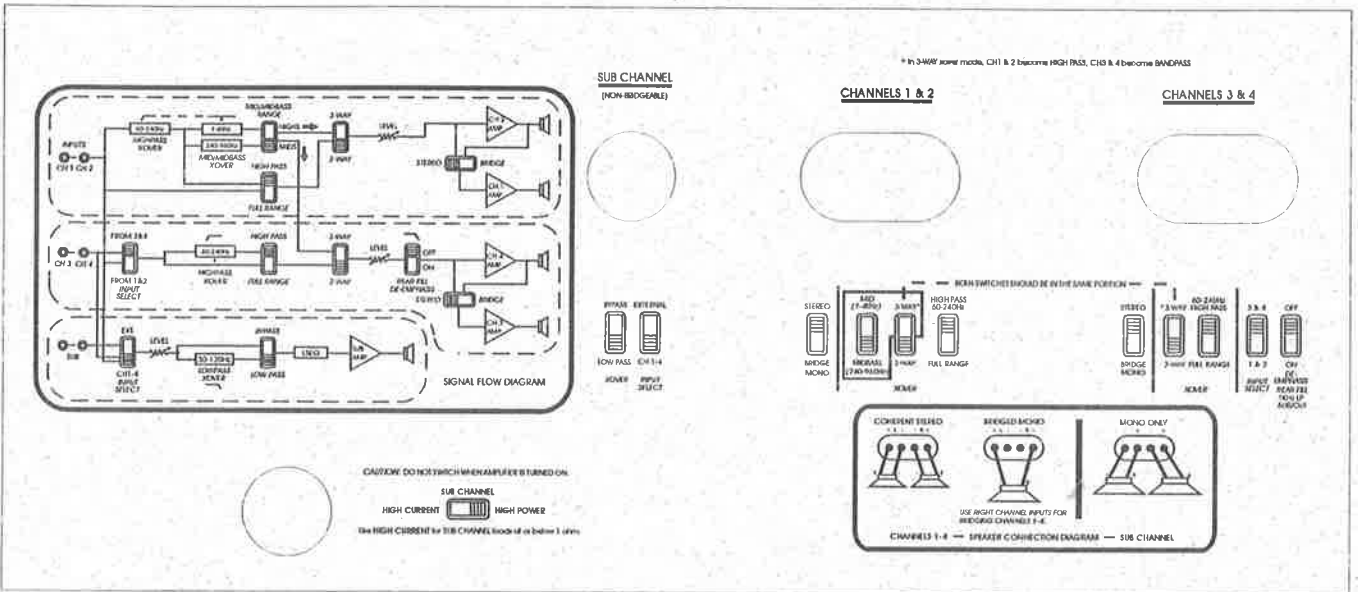
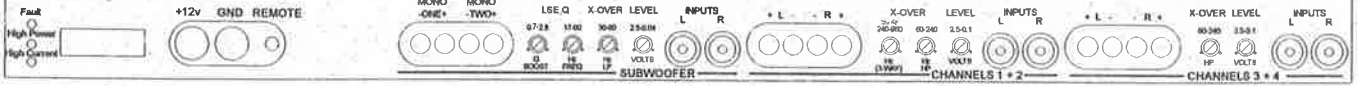
Lee Adams
Managing Director



Wade Stewart
Vice-President of Engineering

The CONTINUUM

Handcrafted in the U.S.A.



DESIGN FEATURES

- **Uncompromising Design and Construction** including mil-spec glass epoxy circuit boards and high current custom gold-plated solid brass connections that will accept up to 4 gauge power/ground wire.
- **High Power/High Current Capability** (subwoofer channel only) - Soundstream's exclusive circuitry permits customization of your amplifier to its particular application—High Current, for ultra-low impedance loads (multiple subwoofers, less than 1 ohm) or High Power, for higher impedance loads (1 ohm and up).
- **Chassisink™ Darlington Power Array** - Soundstream's "overbuilding" of the output section incorporates multiple output transistors instead of a few for faster, stronger power delivery. The transistors are directly sandwiched between the circuit board and the heatsink in a design called Chassisink™ to ensure cool, efficient amplifier operation.
- **Staggered Asymmetrical Electronic Crossover** - Continuously variable 2 or 3-way crossovers with 12 dB/octave high pass and 24 dB/octave subwoofer low pass. In 3-way mode, bandpass can be selected for midrange or midbass.
- **Rear Channel De-emphasis** - A circuit based on theater surround technology in which rear fill information is rolled off with a -3 dB point at 7,000 Hz following with a 6 dB/octave slope to provide a more realistic listening experience (in 5 channel mode only).

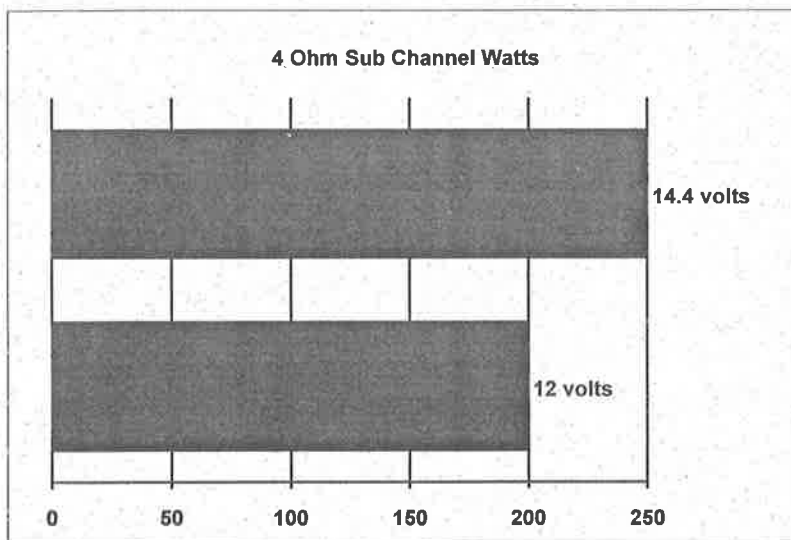
- **PowerGrid Power Supply Design** - All power supply components are located near one another, for the shortest possible current path and are connected by thick, wide PCB traces, which ensures rapid, high current delivery. The entire power supply is isolated on one side of the circuit board while the audio stage is located opposite it, guaranteeing minimal noise.
- **Ultra-Low ESR Capacitance Bank** - 24 miniature "stiffening" capacitors ensure rapid power delivery for dynamic peaks. Multiple small input power capacitors are used to provide a lower ESR (Equivalent Series Resistance), which means more power, faster.
- **Smart Thermal Rollback** - Most amplifiers shut off when they get too hot. In the unlikely event The CONTINUUM reaches 85° C, it will gradually roll back its average power (without affecting the dynamics). Once the amplifier has cooled off, it returns to full power output. If overheating should continue, a second thermal sensing protection circuit will shut off the amplifier if the heatsink reaches 95° C.
- **Unregulated Power Supply** - 4 ohm power ratings are measured at 12 volts, which means substantially greater output in the real world when the vehicle is running, where voltages range from 13.6 to 14.4 volts. Dynamic capability of the unregulated power supply is vastly greater than that of a tightly regulated power supply.
- **Fault Monitor LED** on the front panel notifies you of a blown power supply fuse.
- **1/2 Ohm Subwoofer Drive Ability** - The CONTINUUM subwoofer channel is designed to be stable into any impedance, down to 1/2 ohm.
- **Six Dual Discrete Class A Drive Stages** - Over six times the drive current of most amps, which guarantees maximum performance into any load.
- **Drive Delay™ Muted Turn-on/off Circuit** - A unique circuit which completely eliminates amplifier-related turn-on/off noises.
- **Flexible Input Sensitivity** accepts voltages from 100 mV (40 mV on the subwoofer channel) to 2.5 V, which permits maximum output from the amplifier with virtually any source unit.
- **Balanced Input Design** for added immunity to noise caused by component and vehicle electrical system interaction.
- **Polished Aluminum Heatsink** - An awesome mirror-finish 19 inch wide heatsink. Our 4-step process produces a finish far superior to any other of its type, all while providing maximum thermal transfer!

REFERENCE POWER SUPPLY DESIGN

The CONTINUUM employs an extremely efficient unregulated pulse-width modulated power supply. Like the rest of the REFERENCE amplifiers from Soundstream, The CONTINUUM is rated at 12 volts but is designed to take advantage of the additional voltage available when the vehicle is running. The two major advantages of the unregulated power supply are:

- awesome dynamic power capabilities
- added continuous power with higher voltages (see chart below)

Because of the dynamic properties of most music, all audio components should be able to react accordingly. Thanks to its unregulated power supply, The CONTINUUM can comfortably exceed its rated power for dynamic portions of the music.



4 ohm Power

200 watts x 1 @ 12 volts
250 watts x 1 @ 14.4 volts

INSTALLATION STEP 1

SETTING THE HIGH POWER/HIGH CURRENT SWITCH

(applies to subwoofer channel only)

CONTINUUM's subwoofer channel can be switched between "High Power" and "High Current" modes. This allows The CONTINUUM to maximize power and efficiency at impedances ≥ 1 Ohm in "High Power" mode, or down to $1/2$ Ohm in "High Current" mode.

The circuit operates by selecting a set of power supply voltage rails best suited to your particular application. One is a higher voltage "tap" optimized for high impedance applications while the other is lower voltage designed to provide more current. Unlike other amplifiers, Soundstream's REFERENCE amplifiers can be configured to drive virtually any impedance *and* make maximum power!

To determine the setting for your application, follow the chart below:

	4 Ω 12 Volts	2 Ω 14.4 Volts	1 Ω 14.4 Volts	1/2 Ω 14.4 Volts
High Power Watts	200	300	400	n/a
High Current Watts	100	200	300	400

OTHER COMMENTS:

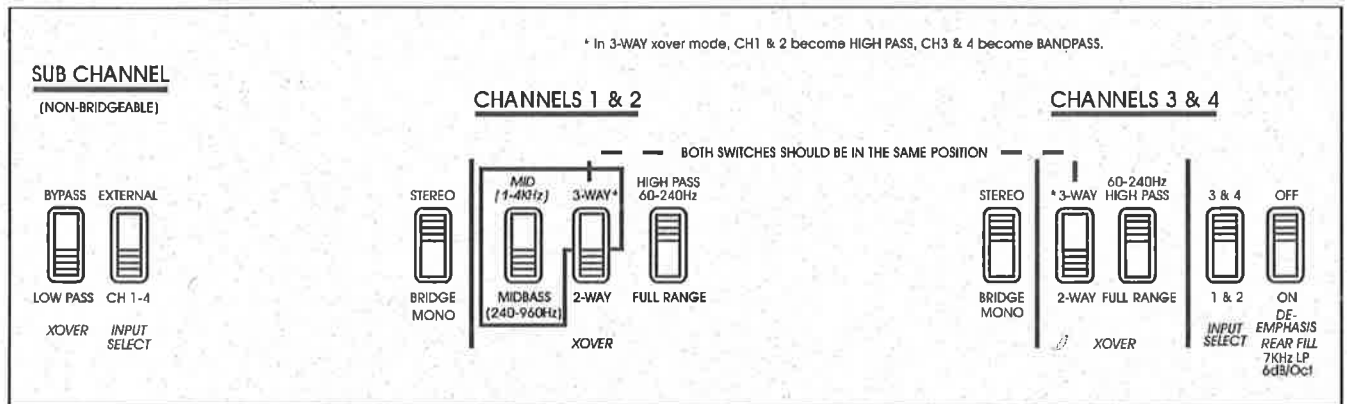
If you blow fuses with The CONTINUUM, switch to the High Current mode. If the problem persists, it is likely that the amplifier is seeing a dead short, either in the speaker wire or in the speaker itself. ***Rectify the problem before blowing multiple fuses!***

INSTALLATION STEP 2

SELECTING THE CROSSOVER MODES

The CONTINUUM incorporates a sophisticated, fully adjustable electronic crossover for each of its two pairs of channels and subwoofer channel. The CONTINUUM can drive a full system without need of an outboard electronic crossover.

Before installing the amplifier, make certain the switches on the bottom are set to the correct positions. After setting the switches, be sure to install the hole plugs included with the amplifier.



LOW PASS

The subwoofer channel is designed to operate in low pass or full range. The low pass is a continuously variable 24 dB/octave electronic crossover with a range of 30 - 120 Hz.

2-WAY

HIGH PASS

The high pass crossover is used for sending only midrange and high frequency information to particular speakers. Activate the high pass crossover to drive satellite or coaxial speakers in the system along with subwoofers. You can later adjust the exact frequency from the front of the amplifier. The high pass frequency can be adjusted separately for either pair of channels of the amplifier.

REAR FILL DE-EMPHASIS

The CONTINUUM features an innovative rear fill de-emphasis circuit which places more emphasis on the front stage when used in the five channel mode. The circuit removes frequencies above 7,000 Hz at the rate of 6 dB/octave. By removing upper frequency information from the rear fill, a more natural sounding rear fill effect is created.

3-WAY

MIDBASS/MIDRANGE BAND PASS

The CONTINUUM can be operated in midrange or midbass "band pass" configuration. In the three way mode, you can tri-amplify with "active" midbass or midrange to maximize control over individual drivers. The bandpass includes a low pass and a high pass filter, which work independent of one another, to drive the midrange or midbass speakers.

INSTALLATION STEP 3

SELECTING INPUT MODES

The CONTINUUM can be driven with either one, two, or three pairs of stereo inputs. If your source unit has front and rear outputs, you can take advantage of its fading capability by driving The CONTINUUM in 5 channel mode with two pairs of inputs. When operated in the 5 channel mode with 2 pairs of inputs, the lowpass subwoofer channel will operate in a non-fading mode—it derives its signal from the front and rear inputs. After setting the input mode switches, be sure to install the hole plugs included with the amplifier.

5 CHANNEL OPERATION WITH 4 CHANNELS OF INPUT

- Front input to Channels 1 & 2 and set stereo switch to either "Coherent Stereo" or "Mixed-Mono"
- Rear input to Channels 3 & 4 and set input switch to "3 & 4"; stereo switch to either "Coherent Stereo" or "Mixed-Mono"
- Subwoofer input switch set to "CH 1 - 4"

5 CHANNEL OPERATION WITH 2 CHANNELS OF INPUT

- Input to Channels 1 & 2; set stereo switch to either "Coherent Stereo" or "Mixed-Mono"
- Channels 3 & 4: set input switch to "Internal From Ch 1 & 2"; stereo switch to either "Coherent Stereo" or "Mixed-Mono"
- Subwoofer input switch set to "CH 1 - 4"

3 CHANNEL OPERATION WITH 2 CHANNELS OF INPUT

- Input to Channels 1 & 2: set stereo switch to "Mono"
- Input to Channels 3 & 4: set input switch to "3 & 4"; stereo switch to "Mono"
- Subwoofer input switch set to "CH 1 - 4"

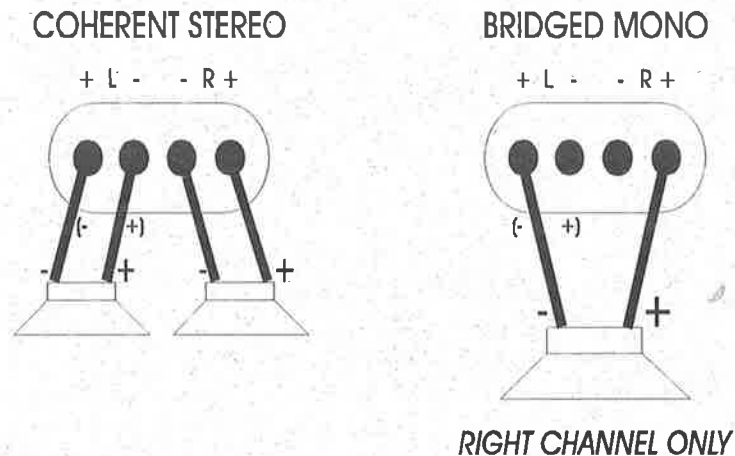
INSTALLATION STEP 4

COHERENT STEREO/BRIDGED MONO

The stereo channels of The CONTINUUM have the ability to operate in either of the following modes:

Coherent Stereo with identical left and right stereo channels for maximum fidelity.

Bridged Mono for dedicated single channel operation; ideal for using The Continuum in three-channel operation. It is also used when large amounts of power are necessary for single speakers. *In bridged mono, only the right channel input (per pair of channels) is active.*



In bridged mono, only the right channel input is active.

**For system
examples and
diagrams, see
pages 16 - 19.**

INSTALLATION STEP 5

WIRING

POWER AND GROUND

To assure maximum output from The CONTINUUM, use high quality, low-loss power and ground cables. The CONTINUUM will accept up to 4 gauge power and ground cables, which is the only size recommended.

CIRCUIT BREAKERS/FUSES

EXTERNAL

Like all car audio amplifiers, The CONTINUUM must be protected with a fuse or circuit breaker located within 18" of the battery. This will prevent a fire in the event of a shorted cable. **The value of the circuit breaker or fuse should be between 60 and 80 amps.**

INTERNAL

The CONTINUUM is fused on its front panel with a 40 amp Maxi-fuse. In the event of a blown power supply fuse, the "Fault" indicator on the front panel will light. **Never** replace the fuse with a higher value than what is supplied. **This may result in amplifier damage and will void the warranty!**

REMOTE TURN-ON

Connect the turn-on lead from the source unit to the "Remote" input on the amplifier. When +12 volts is received, the amplifier will turn on.

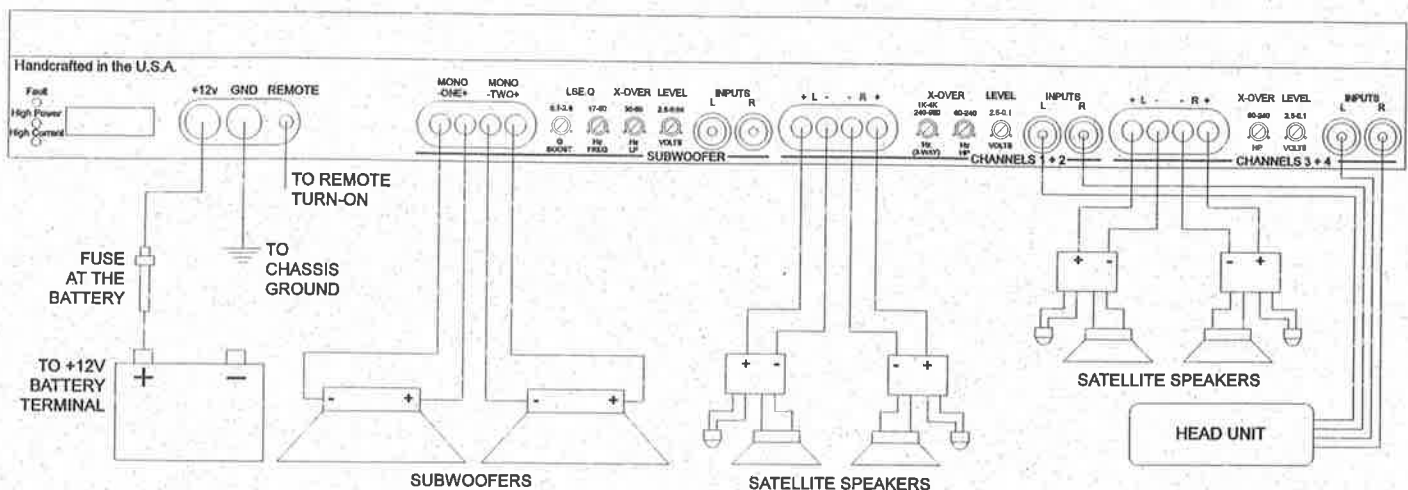
SIGNAL CABLE

Depending on your application, you may use one to three pairs of signal cables to drive your CONTINUUM. Use a high-quality cable that will be easy to install and has minimal signal loss to guarantee optimum performance.

SPEAKER CABLE

The CONTINUUM will accept up to 8 gauge speaker cable. Use a high quality, flexible, multi-strand cable for best performance and longevity. Soundstream Speaker120 (12 gauge) is ideal.

WIRING DIAGRAM



INSTALLATION STEP 6

INSTALLATION AND MOUNTING

1. **AMPLIFIER LOCATION**

The CONTINUUM employs highly efficient circuitry and Soundstream's unique Chassisink™ design to maintain lower operating temperatures. Additional cooling may be required if the amplifier is located in an area with poor air flow, or when driving especially low impedance loads at extremely high levels.

When mounting the amplifier, it should be securely mounted to either a panel in the vehicle or an amp board or rack that is securely mounted to the vehicle. The mounting location should be either in the passenger compartment or in the trunk of the vehicle, away from moisture, stray or moving objects, and major electrical components. To provide adequate ventilation, mount the amplifier so that there are at least two inches of freely circulating air above and to the sides of it.

2. **MODE SWITCHES**

Set High Power/High Current, Input Switches, and Crossover switches to the appropriate positions (see pages 8 - 11 and 16 - 19). ***These switches determine the design of the system!***

3. **MOUNTING THE AMPLIFIER**

- a. Using the amplifier as a template, mark the mounting surface.
- b. Remove the amplifier and drill the holes.
- c. Mount the amplifier to the surface using the provided hardware.

Your CONTINUUM is provided with #8 sheet metal screws which use a 1/8" drill hole.

4. **WIRING**

- a. Run and connect the audio signal and remote turn-on cables to the amplifier from the source unit.
- b. **Carefully run the positive cable from the amplifier to a fuse or circuit breaker within 18" of the battery.**
- c. Then connect the fuse or circuit breaker to the battery. Leave the circuit breaker off or the fuse out until everything is bolted down.
- d. Secure the ground cable to a solid chassis ground on the vehicle. It may be necessary to sand paint down to raw metal for a good connection.
- e. Double check each and every connection!
- f. Re-connect the fuse or circuit breaker.

5. **POWER UP**

Power up the system and look front of the amplifier. Depending on the subwoofer configuration, either the green LED (High Current) or the red LED (High Power) should be lit. There may be a 2 to 3 second delay from the time the source unit is turned on to the time that one of the LED's on the amplifier lights up, which is normal. Once the amplifier power LED is on and the source unit is playing, you should have sound coming from the speakers.

INSTALLATION STEP 7

LEVEL SETTING

The input levels are adjusted by means of the input level controls located on the front of the amplifier. This is a unique dual-stage circuit that adjusts both level and gain. This topology maintains better Signal to Noise ratios even with low output sources.

In the ideal situation, all components in the audio system reach maximum undistorted output at the same time. The reason is because an amplifier will only make what comes into it bigger. So, if you send it a distorted signal from the head unit, it is going to amplify distorted information. The same thing holds true if an outboard processor or crossover begins to distort before you have maximum output from the amplifier. By setting all components to reach clipping at the same time, you can maximize the output of your system. For The CONTINUUM, follow the below procedure for the quickest, easiest means of setting the levels.

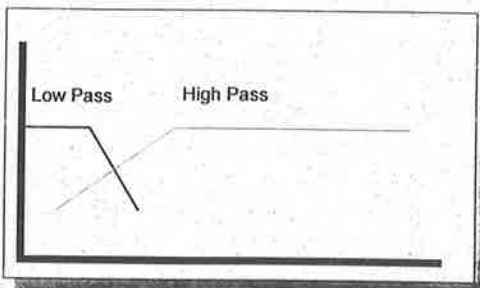
1. Turn the amplifier's input levels to minimum position (fully counter-clockwise).
2. Set source unit volume to approximately 3/4 of full volume.
3. While playing dynamic source material, slowly increase the amplifier's input level until a near maximum undistorted level is heard in the system.

NOTE: *Your best combination of output and Signal to Noise ratio will be achieved when the input levels are set between 500 mV and 2.5 V.*

INSTALLATION STEP 8

CROSSOVER ADJUSTMENTS

In most car audio installations, there is a tendency for a "midbass boom." Because of their interior dimensions, most cars will resonate or ring at these midbass frequencies. If we design the system so there is less musical information in this region, the final response is very smooth and natural sounding. The CONTINUUM incorporates a continuously variable staggered asymmetrical electronic crossover. The high and low pass portions of the crossover can be adjusted independent of one another. Follow the procedure below to adjust the crossover.



Staggered Asymmetrical Crossover

24 dB/octave low pass,
12 dB/octave high pass

1. With the crossover activated, set the frequency adjustments to the 12 o'clock position.
2. While listening to music, adjust the high pass frequency control. Select a frequency high enough to prevent damage to the speakers, yet low enough that you are able to retain midbass in the front speakers.
3. Adjust the low pass frequency control in the same way as the high pass. This time, listen to the bass. You should find a setting that will give you a solid sound with minimum "boom" from resonating frequencies.

NOTE: *You may find it necessary to readjust the crossover after listening to the system. The correct settings are a combination of the capabilities of the equipment and your listening preferences.*

INSTALLATION STEP 9

LSE.Q THEORY AND USE

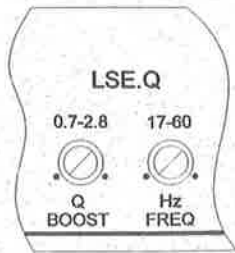


FIG. 1 LSE.Q

LSE.Q is a proprietary subwoofer control circuit included with The CONTINUUM amplifier. It is capable of both removing subsonic energy in program material and providing a variable boost at low frequencies. The circuit consists of two controls. One adjusts the frequency of operation, and the other adjusts the range of boost. With both controls adjusted fully counter-clockwise, no boost is applied and the amplifier is flat in response down to 20 Hz.

The **frequency control (Hz)** adjusts the starting point of the subsonic filter. This high pass filter can be adjusted from 20 Hz up to a maximum of 60 Hz. This control is useful for setting the lowest frequency that your subwoofer will see. (See figure 1)

The **Q control** adjusts the amount of boost applied at the set frequency. This is adjustable from .707 (flat) to 2.8 (+9 dB). (See figure 2)

When the Q is set to .707 (Butterworth), LSE.Q acts as a sub-sonic filter only. (See figure 3)

The simple act of removing the signal below the vented tuning frequency can improve system output by as much as 3 dB. With Q values greater than .707, boost is added in addition to the sub-sonic filter. (see figure 4)

Application

Woofers in vented enclosures have good power handling characteristics above the tuning frequency, but below the tuning frequency, power handling drops off considerably. This is due to the loss of any appreciable resistive air mass. At frequencies below resonance, the woofer starts to behave as if it were mounted in "free-air". If we wish to improve the performance of a vented system, we should remove these unwanted signals from our system. These can be removed by adding the subsonic filter. Figure 5 shows the effectiveness of LSE.Q on woofer excursion. Woofer travel is 7.5 mm at 10 Hz, with LSE.Q properly adjusted, this excursion can be reduced to less than 1 mm. This is of great benefit to lowering woofer distortion and increasing output.

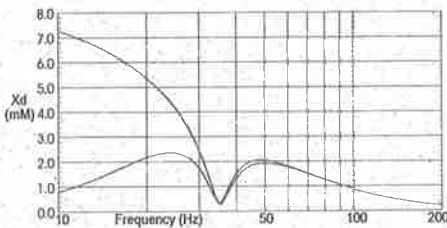


FIG. 5 Limited Excursion

Adjustment

An easy method of optimizing your existing subwoofer enclosure with LSE.Q's "Hz" control is as follows.

1. Adjust frequency and boost control to full CCW position.
2. While listening to music with strong bass content at a moderate level, slowly adjust frequency control clockwise. Listen for a reduction of bass response. Now, rotate frequency control slightly backwards. This serves the purpose of removing the "subsonic" bass energy.

Soundstream's LSE.Q contains the same type of circuit with the added benefit of infinite adjustability. Our "Q" and "Hz" control can provide virtually any combination of boost and cut to suit your designs. So, LSE.Q can provide the "tailoring" needed for any type of "assisted" design and any woofer.

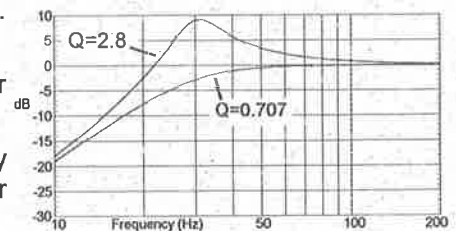


FIG. 2 Variable "Q"

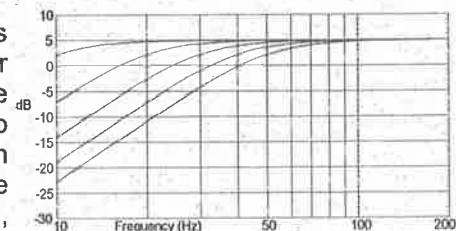


FIG. 3 Variable High Pass

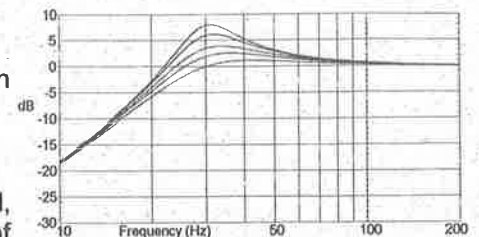
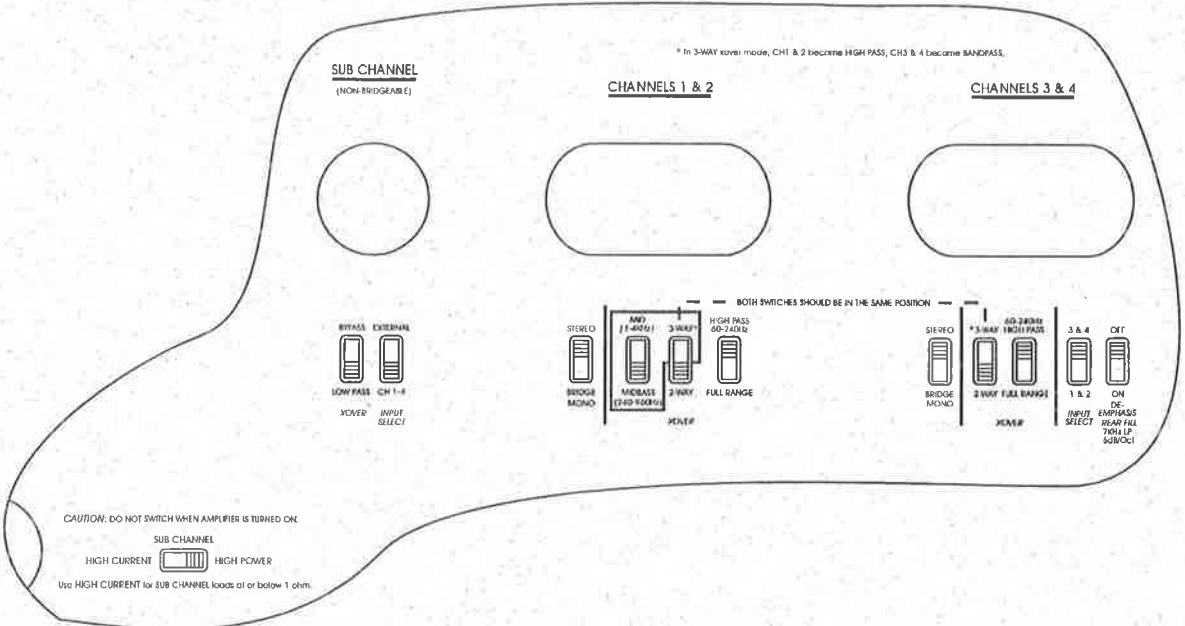
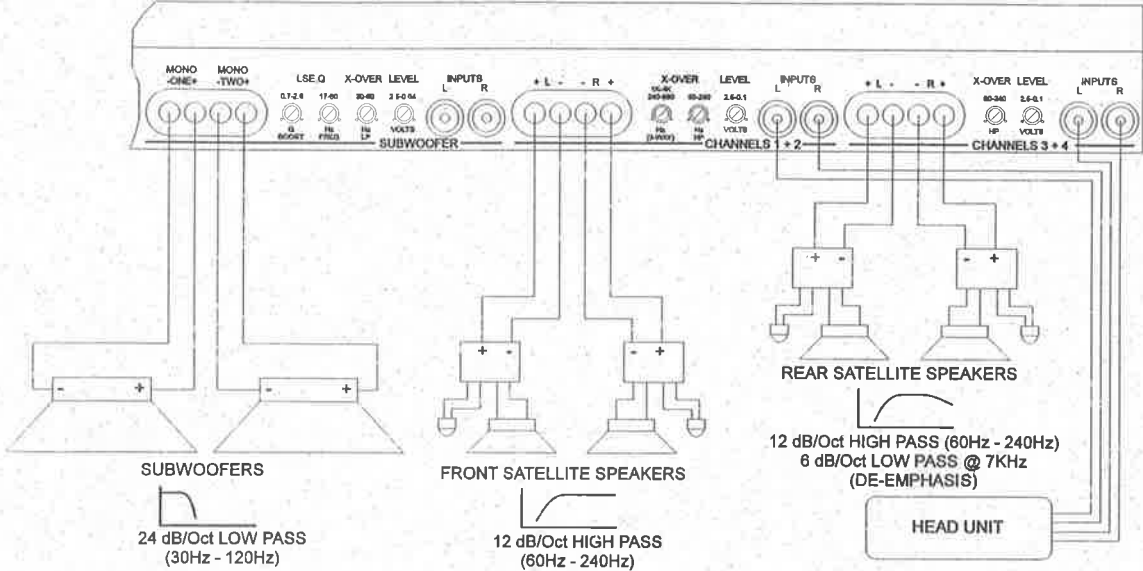


FIG. 4 Variable "Q"

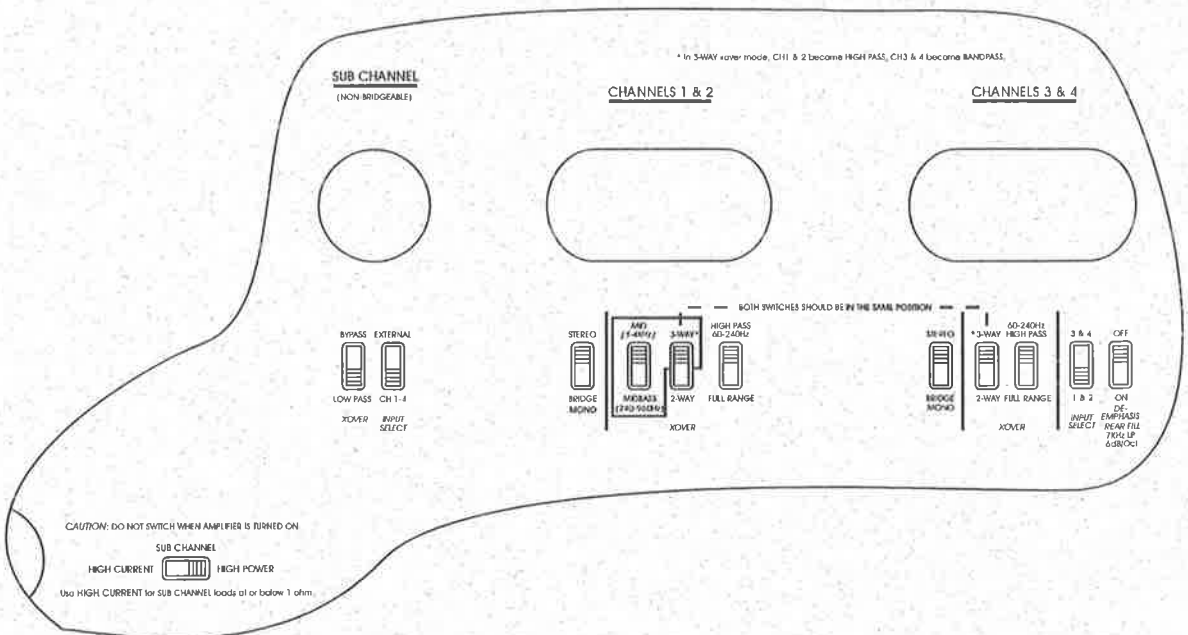
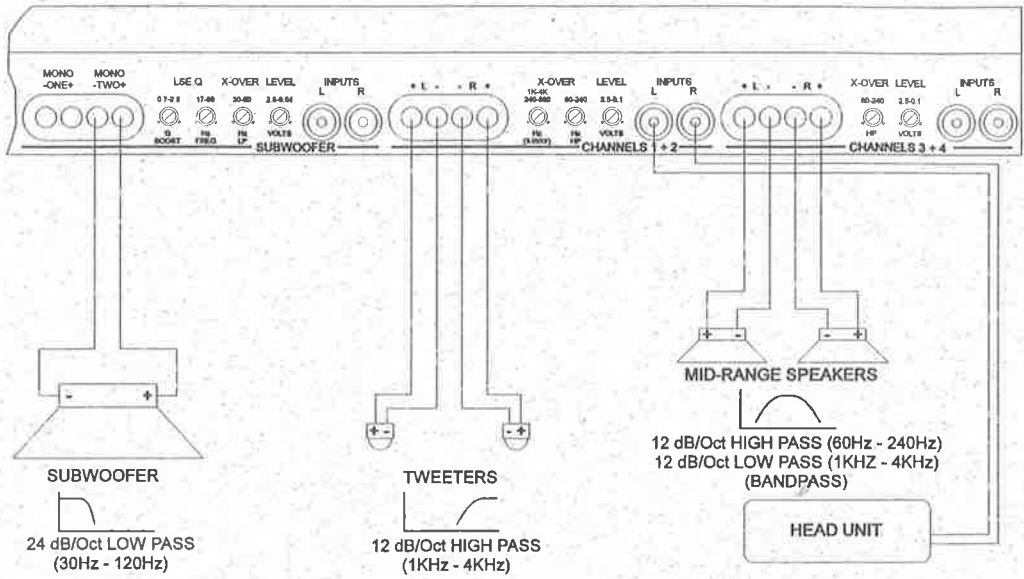
SAMPLE SYSTEM #1

2-way front to rear fade with constant bass
4 channels of input
4 channels of 2-way high pass, sub channel in low pass



SAMPLE SYSTEM #2

3-way with midrange bandpass
2 channels of input
2 channels of tweeter high pass, 2 channels of midrange bandpass, sub channel in low pass

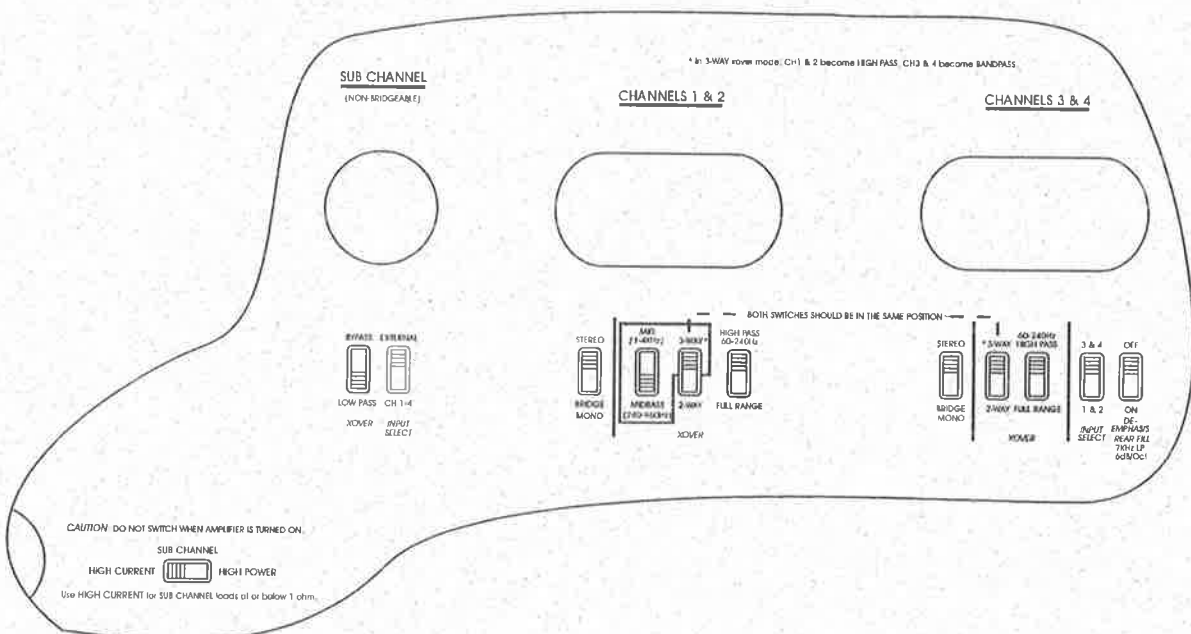
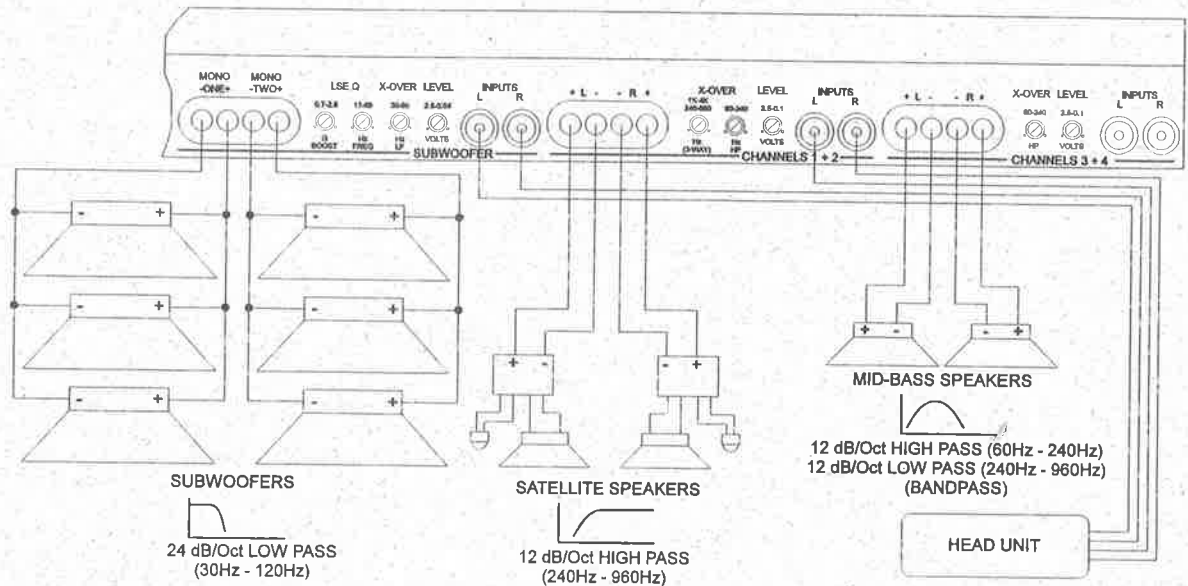


SAMPLE SYSTEM #3

3-way with midbass bandpass and midbass to satellite fading

4 channels of input

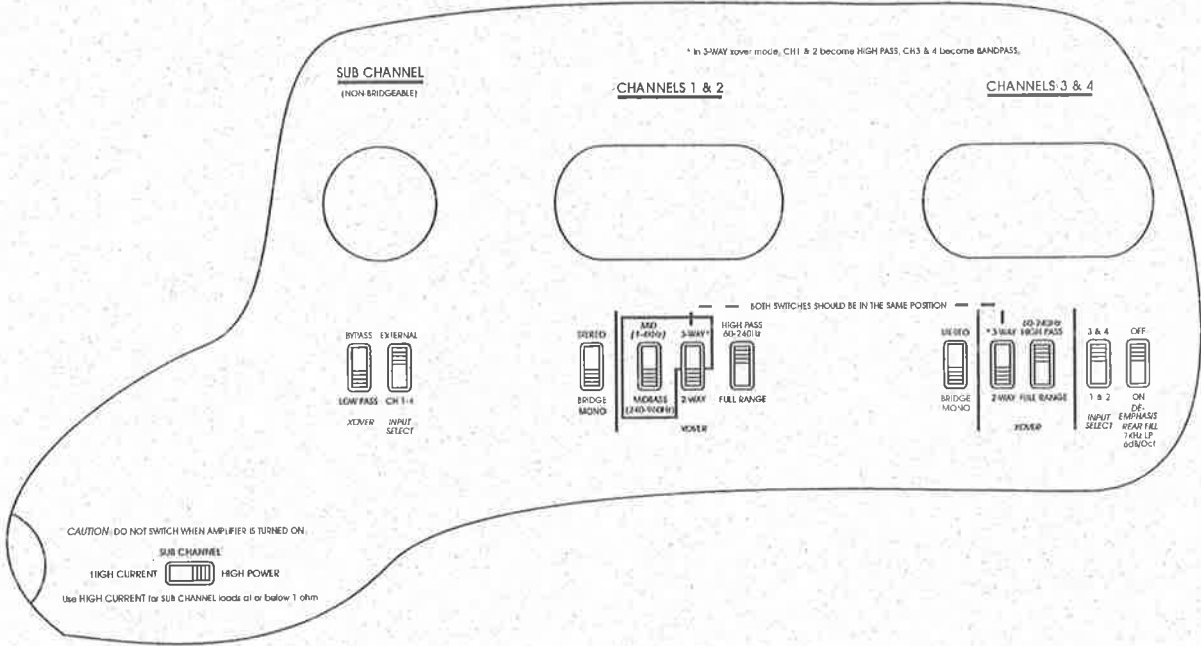
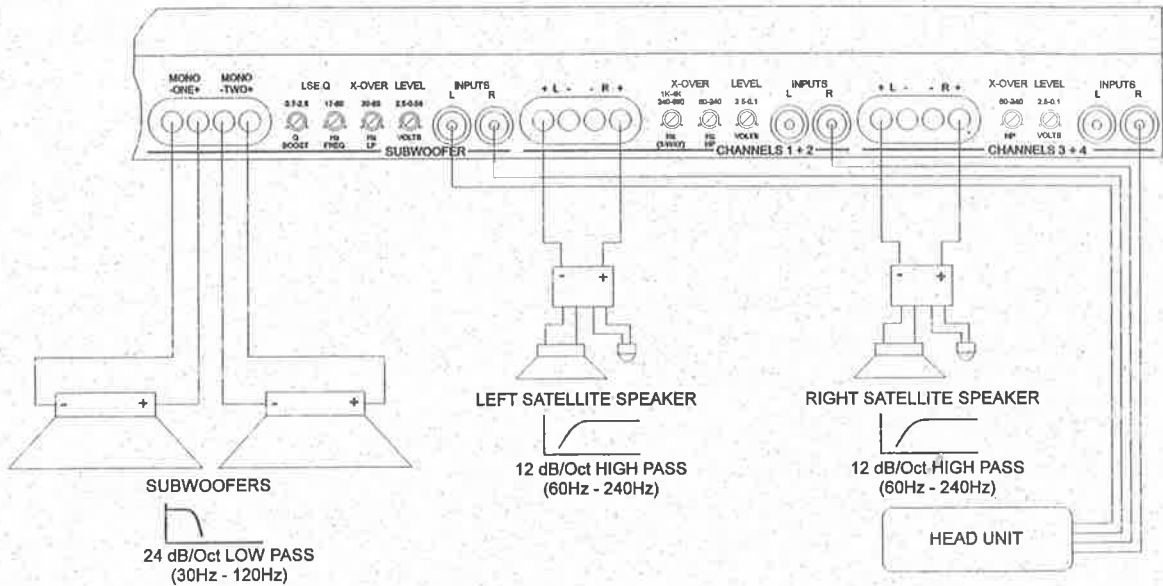
2 channels of midbass bandpass, 2 channels of high pass, sub channel in low pass (High Current; < 1 Ohm)



CAUTION: DO NOT SWITCH WHEN AMPLIFIER IS TURNED ON.
 SUB CHANNEL
 HIGH CURRENT HIGH POWER
 Use HIGH CURRENT for SUB CHANNEL loads of or below 1 ohm.

SAMPLE SYSTEM #4

2-way in 3 channel mode with fading bass
4 channels of input
2 channels of bridged high pass, sub channel in low pass



PROTECTION CIRCUITRY

Your CONTINUUM is protected against both overheating and short circuits by means of the following circuits:

- Main power supply fuses (Maxi-fuse at 40 amps)
- Smart Power Supply Thermal Rollback activating at 85°C.
- A fail-safe thermal protection circuit activating at 95°C.
- Self-resetting circuit breakers on channels 1,2,3 & 4 to protect against short circuits.

Your amplifier also incorporates an innovative Fault Diagnosis system that identifies a blown power supply fuse.

NOTE: If you experience blown main power supply fuse, DO NOT increase value beyond the 40 amp maxi-fuse! Doing so will void your warranty and may damage your amplifier.

TROUBLESHOOTING

<i>PROBLEM</i>	<i>CAUSE</i>
No sound and LED's are not lit	<ul style="list-style-type: none"> • no power or ground at amp • no remote turn-on signal • blown fuse near battery
Fault LED is lit	<ul style="list-style-type: none"> • amp power supply fuse is blown or missing
Repeatedly blown amp fuse, frequent activation of Smart Power Supply Circuit	<ul style="list-style-type: none"> • check speaker configuration, amp may be in "High Power" mode, put amp into "High Current" mode if subwoofer load is less than 1 ohm (see p.8, "Setting High Power/High Current Switch") • speaker or leads may be shorted • verify adequate amplifier ventilation
no sound from channels 3 & 4 with 2 channels of input	<ul style="list-style-type: none"> • check input settings on bottom of amplifier—switch should be set to inputs "1 & 2"
Channel 1, 2, 3 or 4 cut in and out	<ul style="list-style-type: none"> • circuit breakers on these channels are activating. Check for a possible short in the speaker wire or in the speaker itself • Verify the impedance of the load is at or above the rated minimum impedance for these channels

SERVICE

The CONTINUUM is protected by a limited warranty. Please read the enclosed warranty card.

SPECIFICATIONS

POWER OUTPUT

<u>SATELLITE CHANNELS</u>		
	4 Ω Stereo (8 Ω Bridged) 12 Volts	2 Ω Stereo (4 Ω Bridged) 14.4 Volts
Watts	50 w x 4 (100 w x 2)	100 w x 4 (200 w x 2)

<u>SUBWOOFER CHANNEL</u>				
	4 Ω 12 Volts	2 Ω 14.4 Volts	1 Ω 14.4 Volts	1/2 Ω 14.4 Volts
High Power	200 w	300 w	400 w	n/a
High Current	100 w	200 w	300 w	400 w

THD	< 0.1%
Signal to Noise	> 100 dB
Frequency Response	20 Hz to 20 kHz +/- 0.5 dB
Bandwidth	15 Hz to 50 kHz
Stereo Separation	> 90 dB
Damping	> 200
Input Sensitivity	100 mV - 2.5 V
Input Impedance	12 k ohms

CROSSOVER SPECIFICATIONS (all continuously variable):

2-way

High Pass: 12 dB/octave, 60 - 240 Hz
 Low Pass: 24 dB/octave, 30 - 120 Hz

3-way

Tweeter High Pass/Midrange Low Pass: 12 dB/octave, 1 K - 4 KHz
 Midrange or Midbass High Pass: 12 dB/octave, 60 - 240 Hz
 Mid High Pass/Midbass Low Pass: 12 dB/octave, 240 - 960 Hz
 Subwoofer Low Pass: 24 dB/octave, 30 - 120 Hz

DIMENSIONS:

19" W x 9 1/2" D x 2 1/4" H



SOUNDSTREAM[®]

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

SOUNDSTREAM TECHNOLOGIES

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