
SOUNDSTREAM®

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

OWNER'S MANUAL AND
INSTALLATION GUIDE

TARANTULA

TRA340.2	TRA680.4
TRA560.2	TRA960.4
TRA800.2	TRA880.5
TRA1000.2	
TRA1400.2	

CONGRATULATIONS

You now own a Tarantula Series amplifier, the product of 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 receipts 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 or damage, please record the following information which will help protect your investment.

Serial # _____

Dealers 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 Tarantula Series amplifier sounds better than anything you've ever heard, exercise caution to prevent hearing damage.

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FEATURES

Built-in continuously variable 12dB per octave 45Hz to 6.8KHz high pass and 45Hz to 4.6KHz low pass stereo crossover.

Adjustable 0 to +18dB 45Hz bass boost for all outputs.

Adjustable input sensitivity control.

Double sided glass epoxy circuit board.

PWM MOSFET power supply.

Protection: thermal overload, speaker short, reverse and over voltage.

Cooling fan incorporated directing into heat sink (Dual Fan Push/Pull).

LED indicator for power on and protection.

Fully complimentary output stage.

Simultaneous bridged-mono and stereo satellite operations for multi-speaker.

Muting circuit for soft turn-on and turn-off.

24kt gold plated high current power and speaker terminal.

Platinum plated signal input jacks.

SPECIFICATIONS

Frequency response..... ±1dB 10Hz to 50KHz
Signal to noise ratio (20Hz to 29KHz).....>1dB
Signal input sensitivity.....200 milli-volts to volts
voltage range 11 volts to 1 volts
Typical current draw at idle.....<1.5Amps

TRA340.2

Output Power:
Into 4 ohms @ VDC.....85 watts x 2
Into 2 ohms @ VDC.....170 watts x 2
Bridged into 4 ohms @ 14.4 VDC.....340 watts x 1
Recommended fuse size.....1 X 40A
Dimension.....14.5" L x 10.75" W x 2.6"H

TRA560.2

Output Power:
Into 4 ohms @ VDC.....140 watts x 2
Into 2 ohms @ VDC.....280 watts x 2
Bridged into 4 ohms @ 14.4 VDC.....560 watts x 1
Recommended fuse size.....1 X 60A
Dimension.....18" L x 10.75" W x 2.6"H

TRA800.2

Output Power:
Into 4 ohms @ VDC.....200 watts x 2
Into 2 ohms @ VDC.....400 watts x 2
Bridged into 4 ohms @ 14.4 VDC.....800 watts x 1
Recommended fuse size.....1 X 80A
Dimension.....22" L x 10.75" W x 2.6"H

TRA1000.2

Output Power:
Into 4 ohms @ VDC.....250 watts x 2
Into 2 ohms @ VDC.....500 watts x 2
Bridged into 4 ohms @ 14.4 VDC.....1000 watts x 1
Recommended fuse size.....1 X 100A
Dimension.....23.1" L x 10.75" W x 2.6"H

TRA1400.2

Output Power:
Into 4 ohms @ 14.4 VDC.....350 watts x 2
Into 2 ohms @ 14.4 VDC.....700 watts x 2
Bridged into 4 ohms @ 14.4 VDC.....1400 watts x 1
Recommended fuse size.....1X40A 1X80A
Dimension.....25.5" L x 10.75" W x 2.6"H

TRA680.4

Output Power:
Into 4 ohms @ 14.4 VDC.....85 watts x 4
Into 2 ohms @ 14.4 VDC.....170 watts x 4
Bridged into 4 ohms @ 14.4 VDC.....340 watts x 2
Recommended fuse size.....1 X 60A
Dimension.....18.4" L x 10.75" W x 2.6"H

TRA960.4

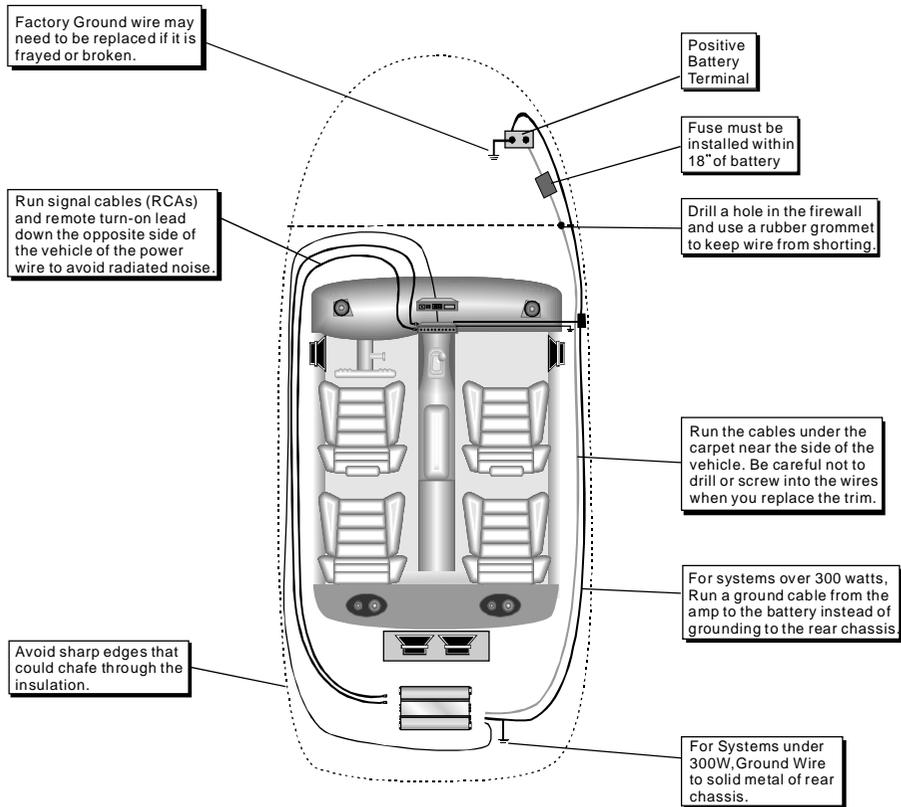
Output Power:
Into 4 ohms @ 14.4 VDC.....120 watts x 4
Into 2 ohms @ 14.4 VDC.....240 watts x 4
Bridged into 4 ohms @ 14.4 VDC.....480 watts x 2
Recommended fuse size.....1 X 100A
Dimension.....25.5" L x 10.75" W x 2.6"H

TRA880.5

Output Power:
Into 4 ohms @ 14.4 VDC.....60 watts x 4 + 200 x 1
Into 2 ohms @ 14.4 VDC.....120 watts x 4 + 400 x 1
Bridged into 4 ohms @ 14.4 VDC.....240 watts x 2 + 400 x 1
Recommended fuse size.....1 X 100A
Dimension.....24.3" L x 10.75" W x 2.6"H

WIRING

Before you begin, disconnect the negative (-) terminal of the battery prior to working on the positive (+) terminal to prevent a short to ground. This is important, unless you want to spend the rest of your life with a nickname like "Sparky," or "Smokey." Reconnect the negative terminal only after all connections have been made.



Warning! A Main Fuse must be installed within 18" of battery!

FRONT PANEL LAYOUT TWO CHANNEL INPUTS AND CONTROLS

RCA Output:
Provides a full range signal output to drive other amplifiers

RCA Input:
Input from the source unit.

Input modes:
Allows selection between 0.2-4V/4.2-8V

Gain Adjust:
Used to adjust gain to match source unit.

Bass Boost:
Adjust this control for 0 to +12dB of bass boost

High Pass/BP filter (HPF or BP x-over)
On/off, and frequency adjustment.

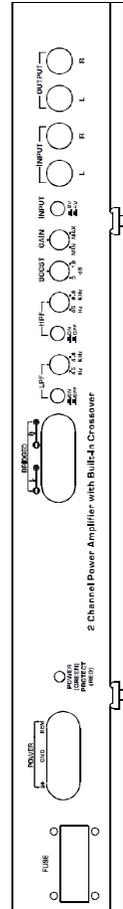
Low Pass/BP filter (LPF or BP x-over)
On/off, and frequency adjustment.
Note: Push both switches "IN" for BP Crossover Function.

Speakers:
Left and right speaker connections. Use Left Positive(+) and Right Negative(-) for bridged output.

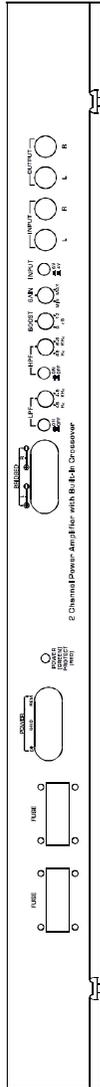
Power LED:
Green: power on
Red: Protection mode

Power:
Connect heavy (8 gauge minimum) stranded wire to the 12 volt and grounded source. Connect the ground to the chassis near the amplifier.

FUSE:
Never replace with a fuse greater than specified.



FRONT PANEL LAYOUT HIGH POWER TWO CHANNEL INPUTS AND CONTROLS



RCA Output:
Provides a full range signal output to drive other amplifiers

RCA Input:
Input from the source unit.

Input modes:
Allows selection between 0.2-4V/4.2-8V

Gain Adjust:
Used to adjust gain to match source unit.

Bass Boost:
Adjust this control for 0 to +12dB of bass boost

High Pass/BP filter(HPF or BP x-over)
On/off, and frequency adjustment.

Low Pass/BP filter(LPF or BP x-over)
On/off, and frequency adjustment.
Note: Push both switches "IN" for BP Crossover Function.

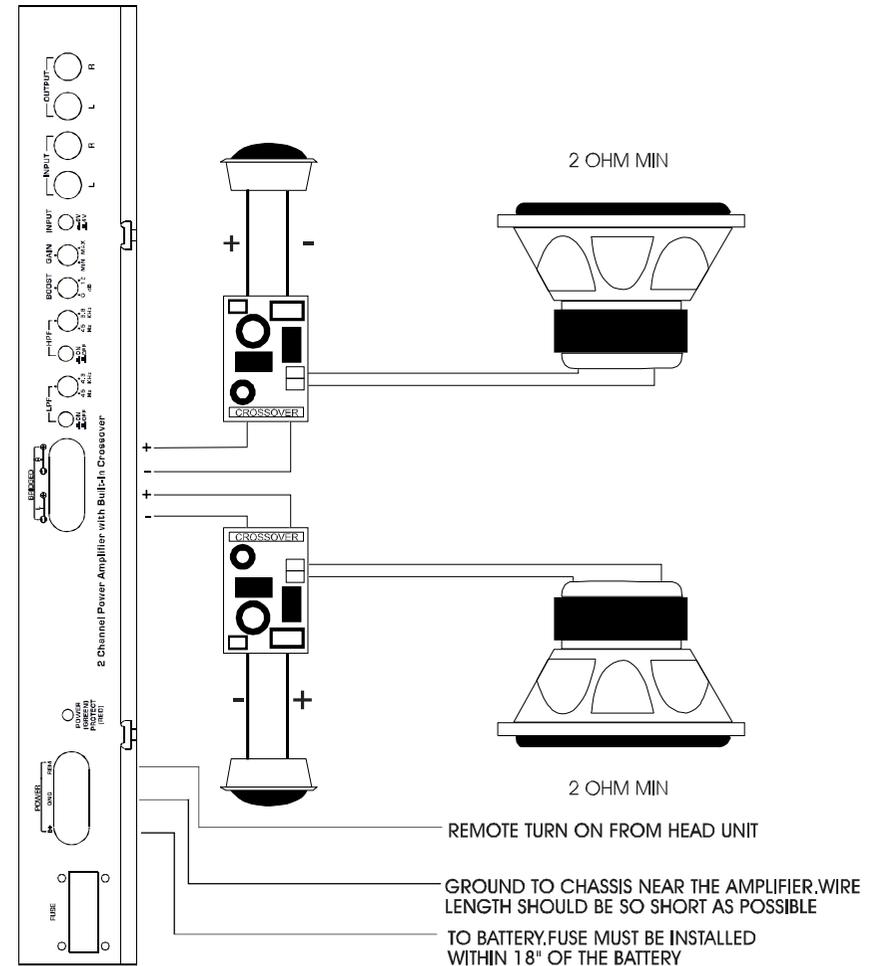
Speakers:
Left and right speaker connections. Use Left Positive(+) and Right Negative(-) for bridged output.

Power LED:
Green: power on
Red: Protection mode

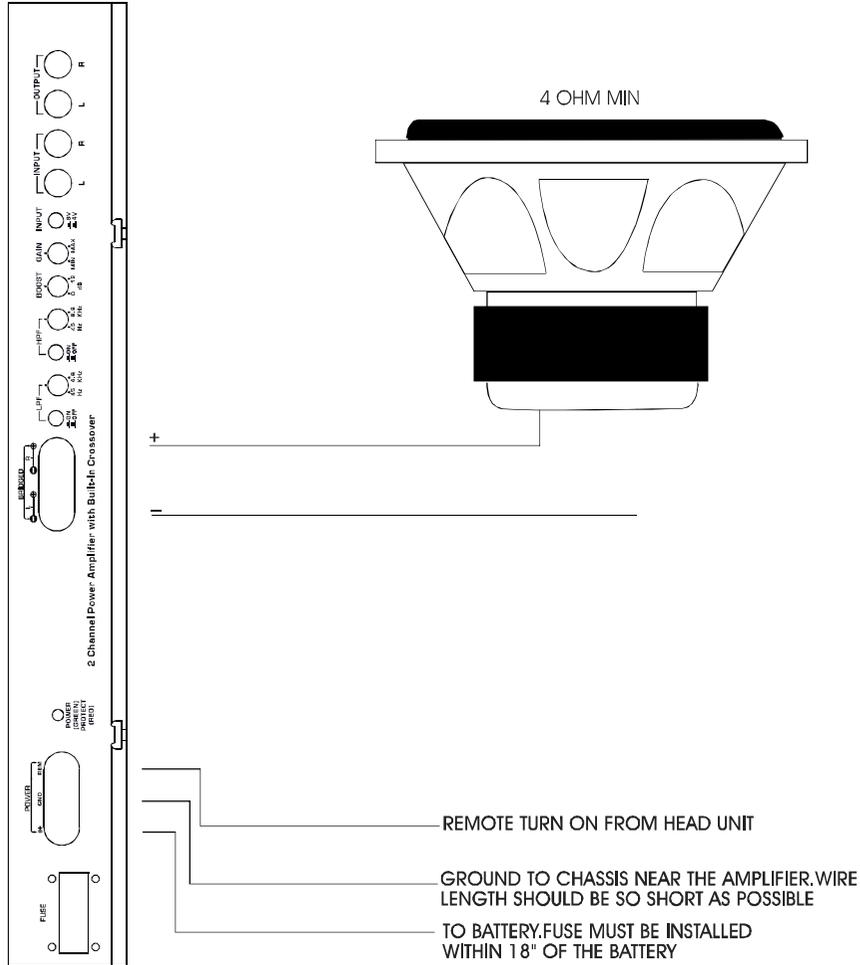
Power:
Connect heavy (8 gauge minimum) stranded wire to the 12 volt and grounded source. Connect the ground to the chassis near the amplifier.

FUSE:
Never replace with a fuse greater than specified.

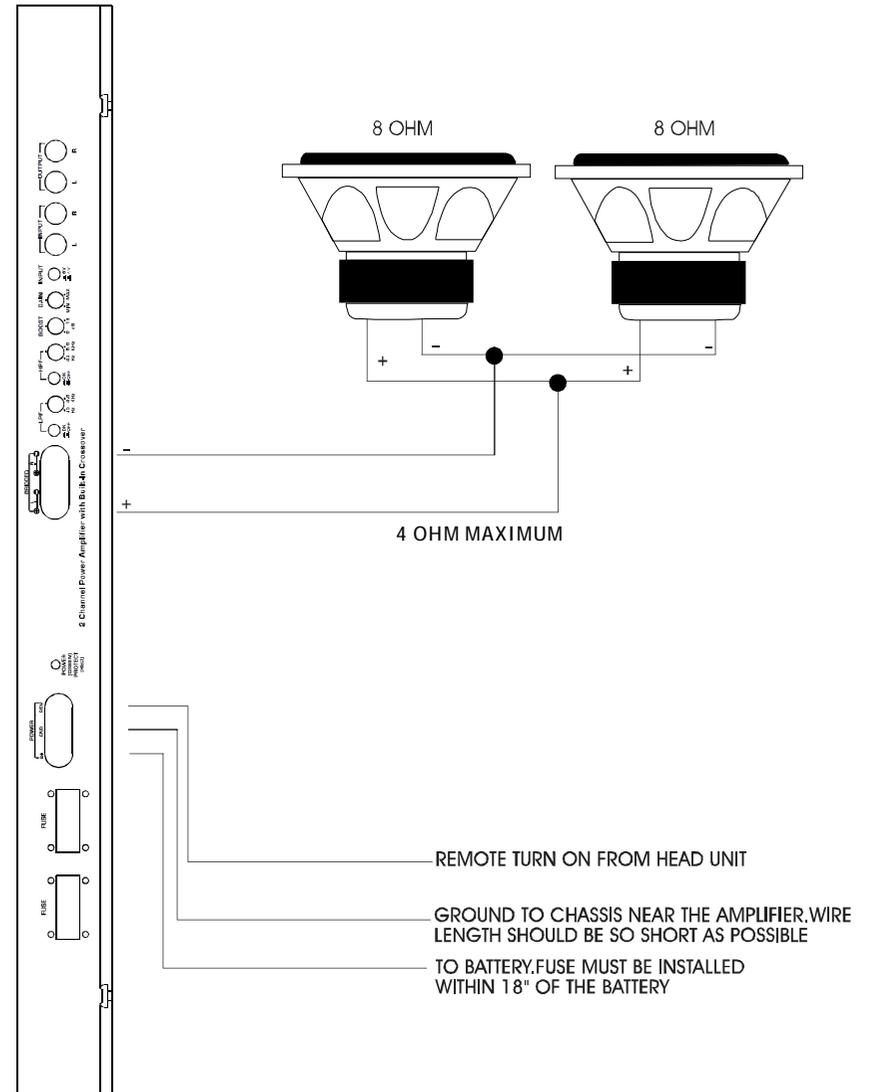
TWO CHANNEL SPEAKER WIRING



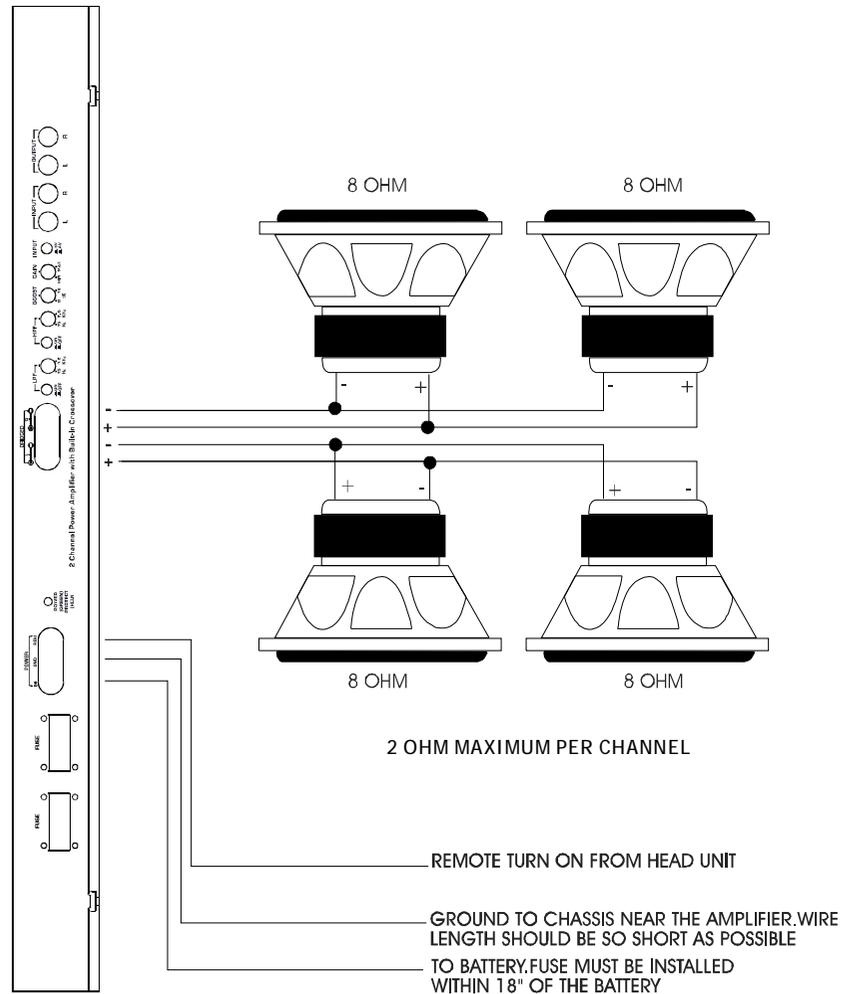
BRIDGED SPEAKER WIRING



TWO SUBWOOFER WIRING



FOUR SUBWOOFER WIRING



FRONT PANEL LAYOUT FOUR CHANNEL INPUTS AND CONTROLS

RCA Output:
Provides a full range signal output to drive other amplifiers

RCA Input:
Input from the source unit.

Input modes:
Allows selection between 0.2-4V/4.2-8V

Gain Adjust:
Used to adjust gain to match source unit.

Bass Boost:
Adjust this control for 0 to +12dB of bass boost

High Pass/BP filter(HPF or BP x-over)
On/off, and frequency adjustment.

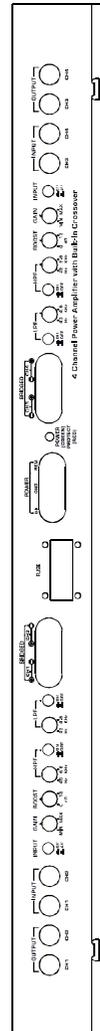
Low Pass/BP filter(LPF or BP x-over)
On/off, and frequency adjustment.
Note: Push both switches "IN" for BP Crossover Function.

Speakers:
Left and right speaker connections. Use Left Positive (+) and Right Negative (-) for bridged output.

FUSE:
Never replace with a fuse greater than specified.

Power:
Connect heavy (8 gauge minimum) stranded wire to the 12 volt and grounded source. Connect the ground to the chassis near the amplifier.

Power LED:
Green: power on
Red: Protection mode



FRONT PANEL LAYOUT FOUR CHANNEL INPUTS AND CONTROLS

RCA Output:
Provides a full range signal output to drive other amplifiers

RCA Input:
Input from the source unit.

Input modes:
Allows selection between 0.2-4V/4.2-8V

Gain Adjust:
Used to adjust gain to match source unit.

Bass Boost:
Adjust this control for 0 to +12dB of bass boost

High Pass/BP filter(HPF or BP x-over)
On/off, and frequency adjustment.

Low Pass/BP filter(LPF or BP x-over)
On/off, and frequency adjustment.

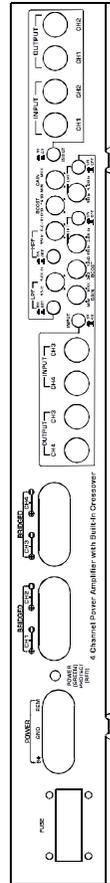
Note: Push both switches "IN" for BP Crossover Function.

Speakers:
Left and right speaker connections. Use Left Positive (+) and Right Negative (-) for bridged output.

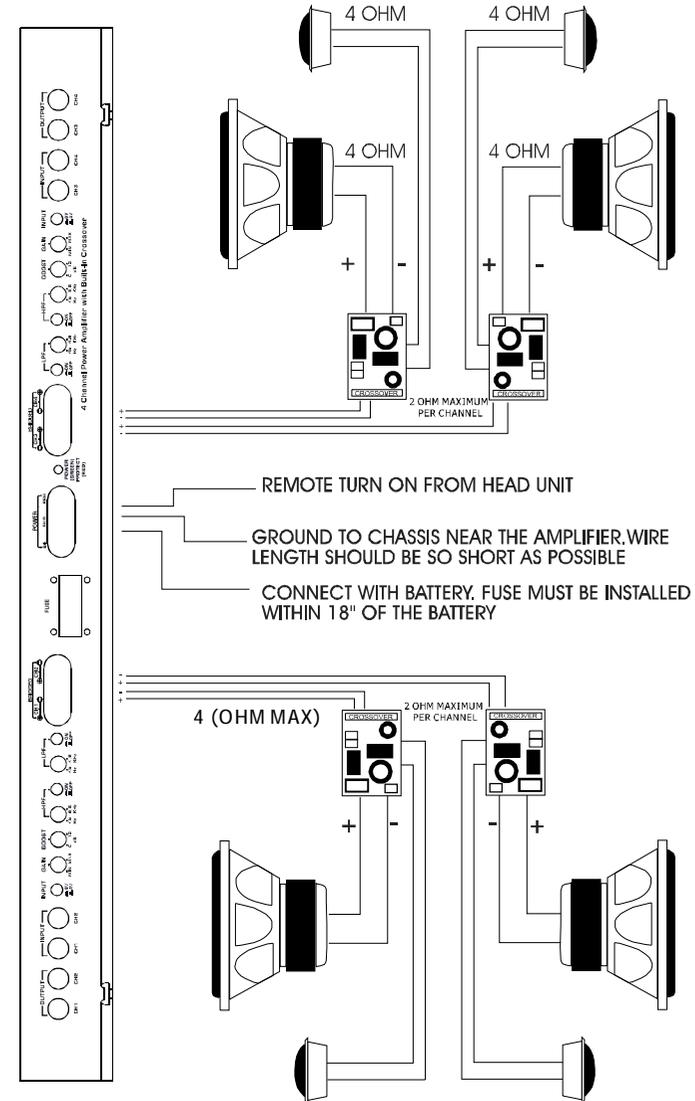
FUSE:
Never replace with a fuse greater than specified.

Power:
Connect heavy (8 gauge minimum) stranded wire to the 12 volt and grounded source. Connect the ground to the chassis near the amplifier.

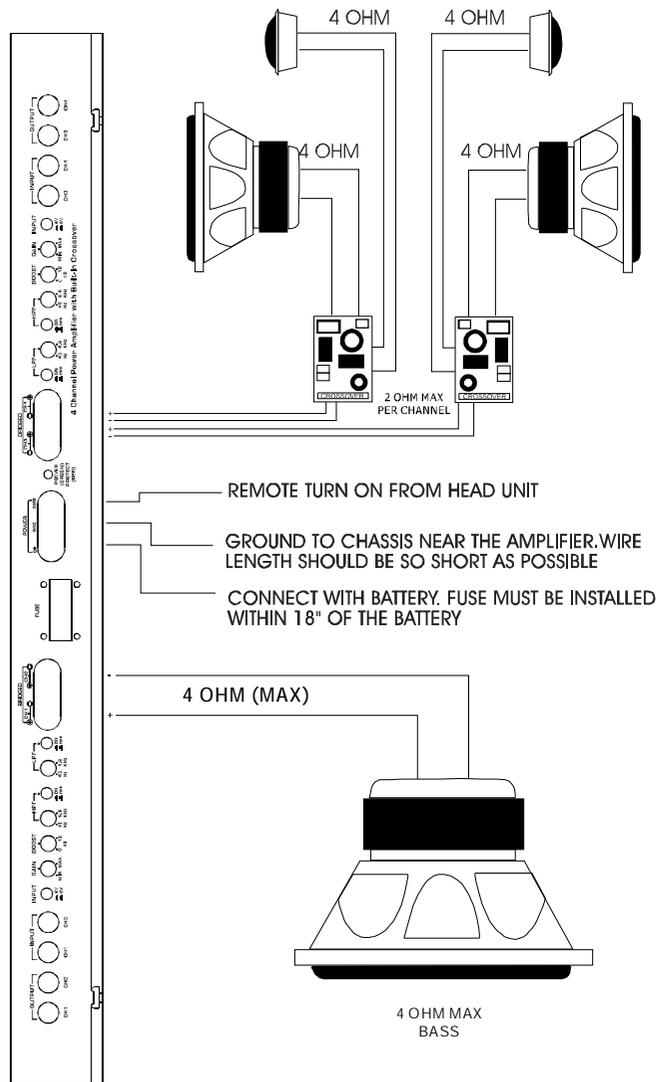
Power LED:
Green: power on
Red: Protection mode



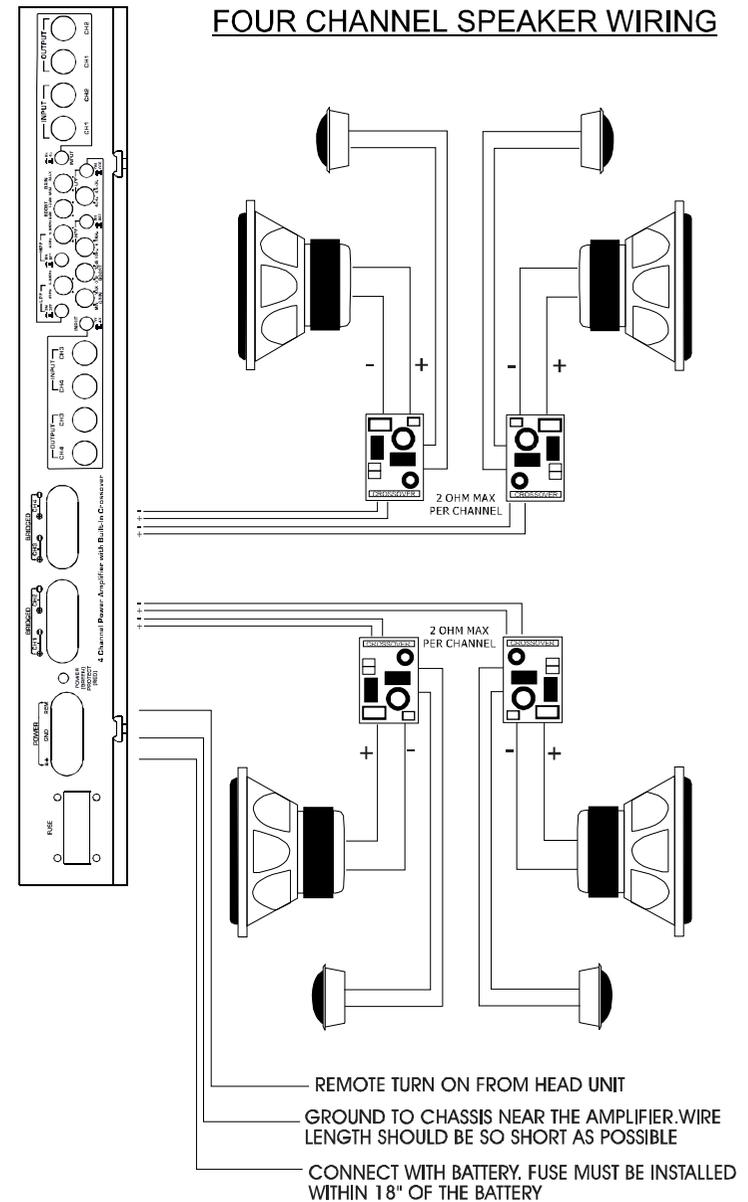
FOUR CHANNEL SPEAKER WIRING



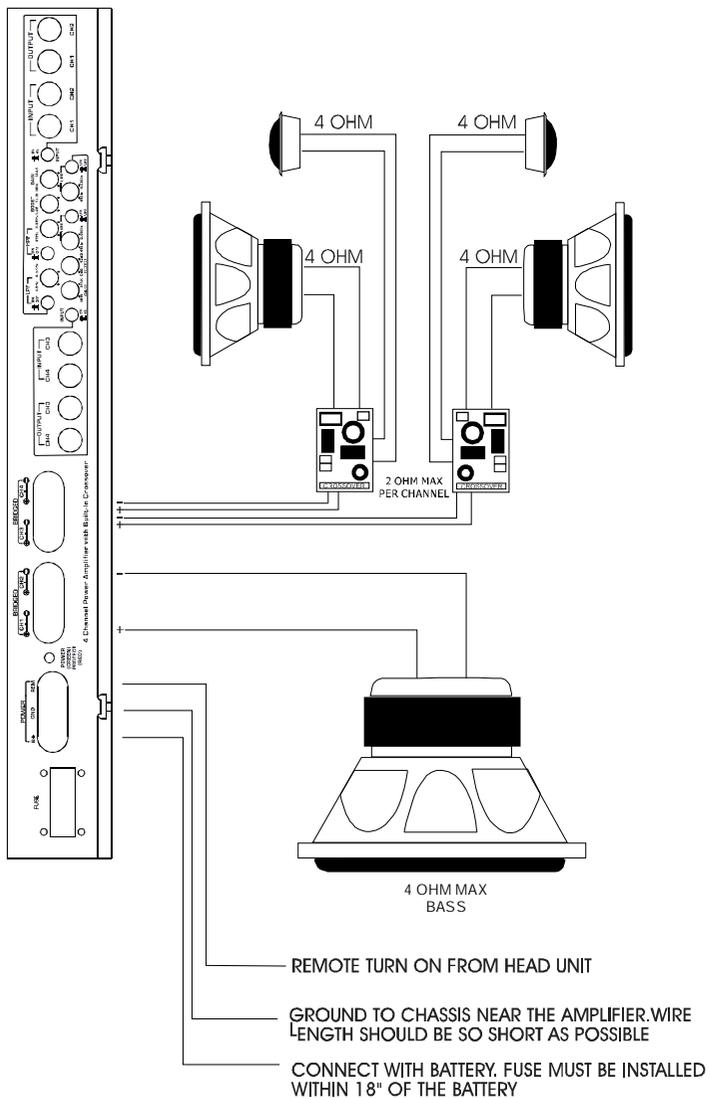
TWO CHANNEL PLUS SUBWOOFER



FOUR CHANNEL SPEAKER WIRING



TWO CHANNEL PLUS SUBWOOFER



FRONT PANEL LAYOUT FIVE CHANNEL INPUTS AND CONTROLS

RCA Output:
Provides a full range signal output to drive other amplifier

RCA Input:
Input from the source unit.

Input modes:
Allows selection between 0.2-4V/4.2-8V.

Gain Adjust:
Used to adjust gain to match source unit.

Bass Boost:
Adjust this control for 0 to +12dB of bass boost

High Pass/BP filter(HPF or BP x-over)
On/off, and frequency adjustment.

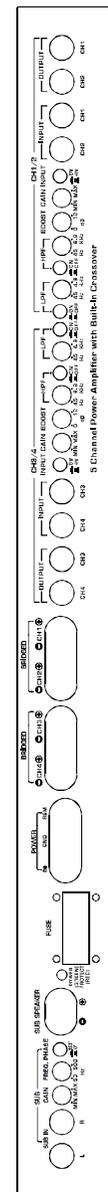
Low Pass/BP filter(LPF or BP x-over)
On/off, and frequency adjustment.
Note: Push both switches "IN" for BP Crossover Function.

Speakers:
Left and right speaker connections. Use Left Positive(+) and Right Negative(-) for bridged output.

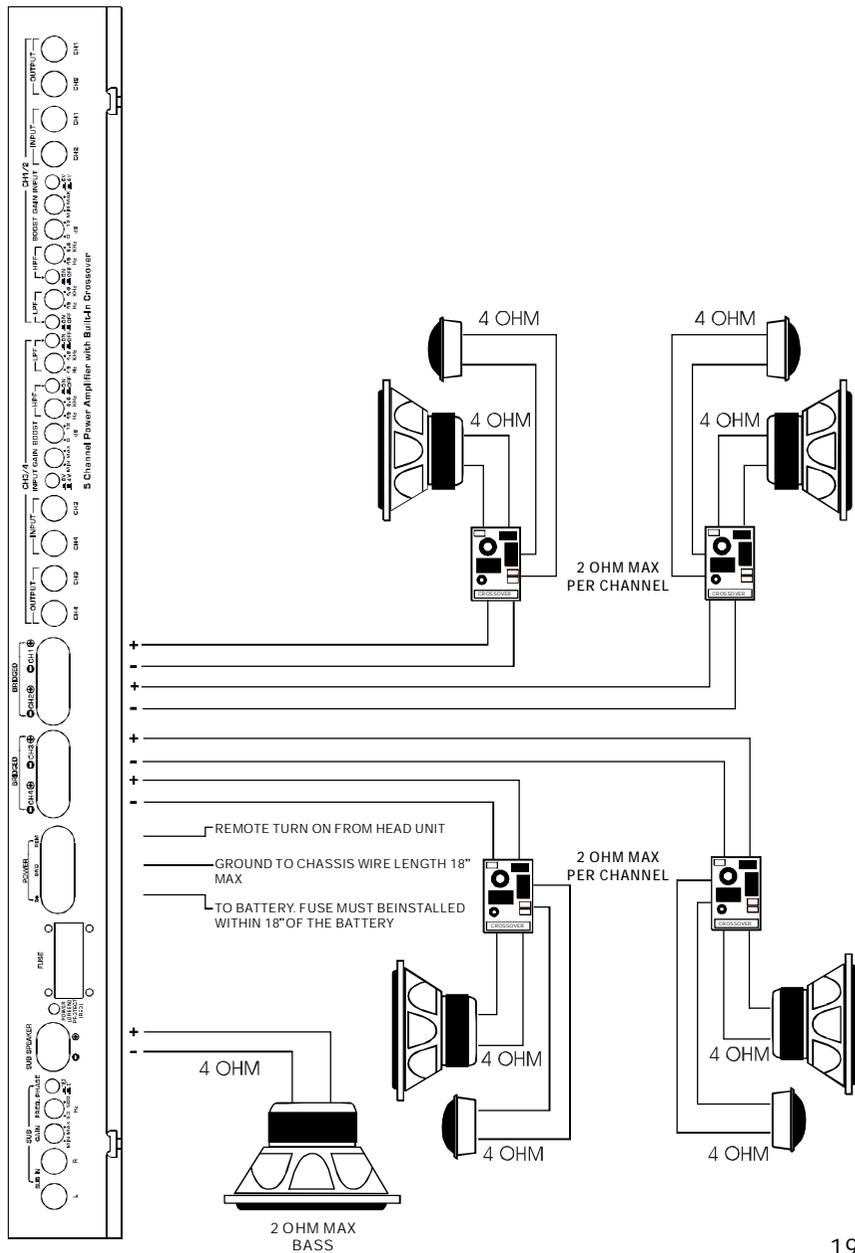
FUSE:
Never replace with a fuse greater than specified.

Power:
Connect heavy(8 gauge minimum) stranded wire to the 12 volt and grounded source. Connect the ground to the chassis near the amplifier.

Power LED:
Green: Power on
Red: Protection mode



FIVE CHANNEL SPEAKER WIRING



SOUNDSTREAM®

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

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