

Our obligation under this warranty is limited to the repair or replacement of the defective unit when it is returned to us prepaid. This warranty will be considered void if the unit was tampered with, improperly serviced, or subject to misuse, neglect, or accidental damage.

- You must also include the following items:**
- A copy of your sales receipt or other proof of purchase
  - A brief letter indicating the problem you are experiencing
  - Include in your letter your return address, daytime phone number, and R.A. number
  - also include a check or money order for \$12.00 for return shipping, handling, and insurance, or provide your Visa/MC number with expiration date.

All Pyle products are carefully constructed and thoroughly tested before shipment. Products purchased in the USA are warranted to be free of defects in material and workmanship for two (2) years from the date of purchase. This warranty is limited to the original retail purchase.

Should the product fail due to factory defects in material or workmanship, your unit will be repaired or replaced at the sole discretion of Pyle.

To obtain warranty service you must first call our Consumer Return Hotline number at (718) 236-6948 to obtain a Return Authorization number. This R.A.# must appear on the outside of your package and on all paperwork relating to your return.

When returning a product to us for warranty service it must be carefully packed and shipped prepaid to:

# limited warranty

## amplifiers

# PLYE

user's manual



high performance car audio amplifier



Optional protective  
endcaps included

- |         |         |
|---------|---------|
| PLA2170 | PLA4170 |
| PLA2270 | PLA4270 |
| PLA2370 | PLA4370 |
| PLA2470 |         |
| PLA2570 |         |

# PYLE



## congratulations...

on your purchase of a Pyle Eternal Series amplifier. This amplifier extends the Pyle tradition into a totally new series of amps, designed from the ground up to deliver the power, performance and flexibility the modern car audio enthusiast demands.

When you check the list of features offered by the PLA2170,PLA2270, PLA2370,PLA2470,PLA2570,PLA4170,PLA4270,PLA4370,you'll know you made the right choice with a Pyle Eternal amplifier.

# PYLE



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PLA4170/4270/4370			



### PIA2170

High Performance 600 Watt 2 Channel Bridgeable MOSFET Amplifier

- 300 Watts x 2 Output
- 600 Watts x 1 Bridged Output
- Variable Hi/Lo Electronic Crossover Network
- Variable Bass Boost (0 - +18 dB @ 60Hz)
- Variable Input Level (Gain) Control
- Remote Turn On/Off
- Gold Plated RCA Inputs
- High Level MOLEX Input
- Power ON LED Indicator
- LED Protection Indicator
- S/N Ratio: > 95 dB
- THD: <0.04%
- Thermal Protection
- Overload Protection
- Short Circuit Protection
- Anti-Thump Turn-On

### PIA2270

High Performance 1000 Watt 2 Channel Bridgeable MOSFET Amplifier

- 500 Watts x 2 Output
- 1000 Watts x 1 Bridged Output
- Variable Hi/Lo Electronic Crossover Network
- Variable Bass Boost (0 - +18 dB @ 60Hz)
- Variable Input Level (Gain) Control
- Remote Turn On/Off
- Gold Plated RCA Inputs
- High Level MOLEX Input
- Power ON LED Indicator
- LED Protection Indicator
- Remote Bass Boost
- S/N Ratio: > 95 dB
- THD: <0.04%
- Thermal Protection
- Overload Protection
- Short Circuit Protection
- Anti-Thump Turn-On

### PIA2370

High Performance 1400 Watt 2 Channel Bridgeable MOSFET Amplifier

- 700 Watts x 2 Output
- 1400 Watts x 1 Bridged Output
- Variable Hi/Lo Electronic Crossover Network
- Variable Bass Boost (0 - +18 dB @ 60Hz)
- Variable Input Level (Gain) Control
- Remote Turn On/Off
- Gold Plated RCA Inputs
- High Level MOLEX Input
- Power ON LED Indicator
- LED Protection Indicator
- Remote Bass Boost
- S/N Ratio: > 95 dB
- THD: <0.04%
- Thermal Protection
- Overload Protection
- Short Circuit Protection
- Anti-Thump Turn-On



### PIA2470

High Performance 1600 Watt 2 Channel Bridgeable MOSFET Amplifier

- 800 Watts x 2 Output
- 1600W x 1 Bridged Output
- Variable Hi/Lo Electronic Crossover Network
- Variable Bass Boost (0 - +18 dB @ 60Hz)
- Variable Input Level (Gain) Control
- Remote Turn On/Off
- Gold Plated RCA Inputs
- High Level MOLEX Inputs
- Power ON LED Indicator
- LED Protection Indicator
- Remote Bass Boost
- S/N Ratio: > 95 dB
- THD: <0.04%
- Thermal Protection
- Overload Protection
- Short Circuit Protection
- Anti-Thump Turn-On
- Tri-Mode Configurable

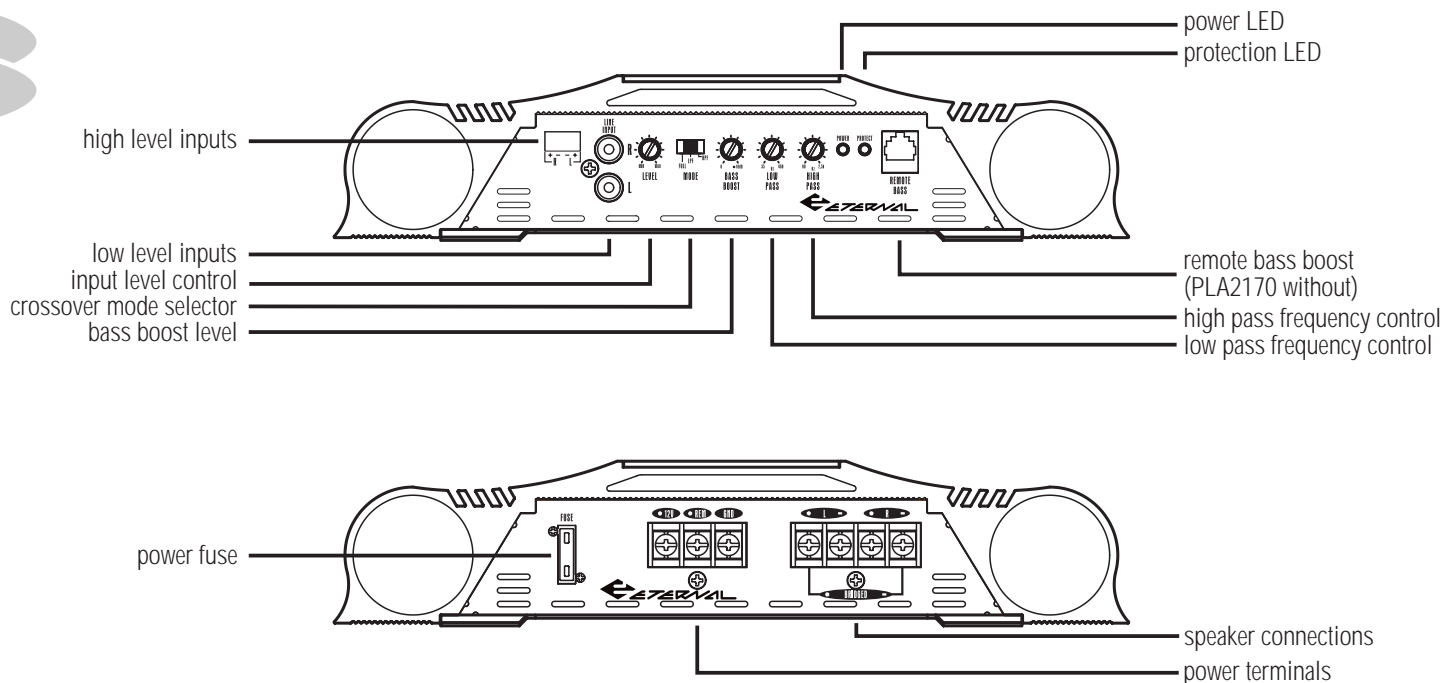
### PIA2570

High Performance 2000 Watt 2 Channel Bridgeable MOSFET Amplifier

- 1000 Watts x 2 Output
- 2000W x 1 Bridged Output
- Variable Hi/Lo Electronic Crossover Network
- Variable Bass Boost (0 - +18 dB @ 60Hz)
- Variable Input Level (Gain) Control
- Remote Turn On/Off
- Gold Plated RCA Inputs
- High Level MOLEX Inputs
- Power ON LED Indicator
- LED Protection Indicator
- Remote Bass Boost
- S/N Ratio: > 95 dB
- THD: <0.04%
- Thermal Protection
- Overload Protection
- Short Circuit Protection
- Anti-Thump Turn-On
- Tri-Mode Configurable

## features and controls 2 ch amp PLA2170 .PLA2270

PLA2170  
PLA2270



6

## features and specifications 2 ch amp PLA2170 .PLA2270

- crossover mode selector** when used with normal, full range systems, set this switch to "FULL." If you wish to use the internal crossover to power a driver of specific frequency range, use the "LOWPASS" or "HIGHPASS" settings.
- input level control** use this control to match the outputs of your head unit to the amplifier. Starting with your head unit set at about the 2 o'clock position, increase the amp level control until distortion begins to occur, and reduce slightly from this point.
- low pass frequency control** when the crossover selector switch is in "low pass" mode, this control sets the upper frequency limit for audio program sent to the speakers.
- high pass frequency control** when the crossover selector switch is in "high pass" mode, this control sets the lower frequency limit for audio program sent to the speakers.
- Remote Bass Boost** Plug in the Remote Bass Boost Control wire in here.
- bass boost level control** this control permits adjustment of the bass level up to an increase of approximately 18 dB.
- low level inputs** this amp features gold-plated RCA input jacks for high impedance input. Use these with car stereo output which uses RCA-type connector cables.
- high level inputs** if your car stereo lacks RCA-type output jacks, you may connect speaker output leads to these input connectors.
- power LED** this indicator is illuminated when power is applied.
- protection LED** this indicator is illuminated when built-in protection circuitry is activated.
- power fuse** the fuse protects the amplifier and your car's electrical system from short circuit conditions.
- power terminals** use these connectors to deliver power, ground and remote turn-on control to the amplifier.
- speaker connections** these terminals are 14K gold plated to guarantee high conductivity and minimum signal loss.

output power @ 14.4v DC, 1KHz

**RMS Power @ 4 Ohms**  
**RMS Power @ 2 Ohms**  
**Maximum Power Output**

frequency response

input impedance

**low level inputs**  
**high level inputs**

input sensitivity

**low level inputs**  
**high level inputs**

power supply voltage

matching speaker impedance

**stereo mode**  
**bridged mode**

maximum current draw

dimensions (W x H x L)

**mm**  
**inches**

PLA2170  
2 channel amplifier

PLA2270  
2 channel amplifier

40 Watts x 2  
70 Watts x 2  
300 Watts x 2

15 Hz-30 KHz

10K Ohms  
100 Ohms

250mV  
2.5V

14.4V DC Neg. Ground (10.5-16V)

2-4 Ohms  
4-8 Ohms

15A

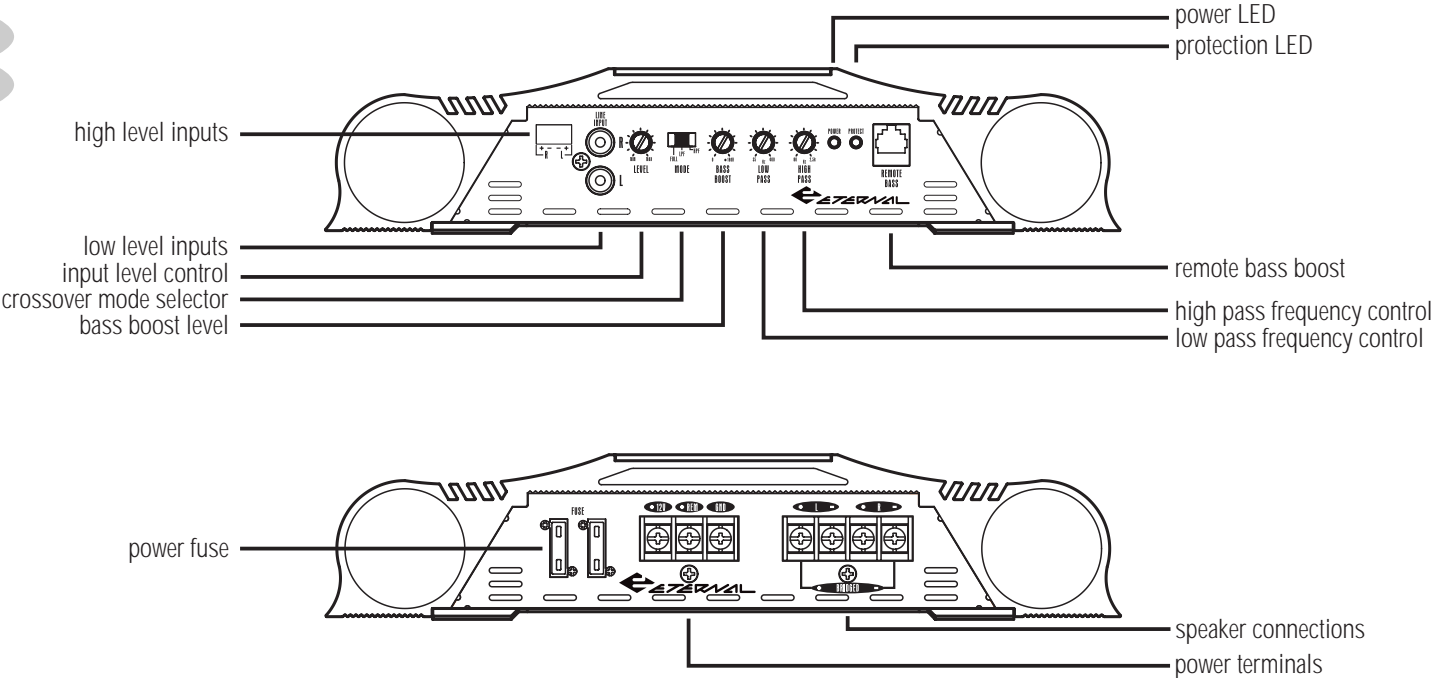
292 x 60 x 209  
11.5 x 2.34 x 8.25

75 Watts x 2  
110 Watts x 2  
500 Watts x 2

7

## features and controls 2 ch amp PLA2370 .PLA2470

PLA2370  
PLA2470



## features and specifications 2 ch amp PLA2370 .PLA2470

- crossover mode selector** when used with normal, full range systems, set this switch to "FULL." If you wish to use the internal crossover to power a driver of specific frequency range, use the "LOWPASS" or "HIGHPASS" settings.
- input level control** use this control to match the outputs of your head unit to the amplifier. Starting with your head unit set at about the 2 o'clock position, increase the amp level control until distortion begins to occur, and reduce slightly from this point.
- low pass frequency control** when the crossover selector switch is in "low pass" mode, this control sets the upper frequency limit for audio program sent to the speakers.
- high pass frequency control** when the crossover selector switch is in "high pass" mode, this control sets the lower frequency limit for audio program sent to the speakers.
- Remote Bass Boost** Plug in the Remote Bass Boost Control wire in here.
- bass boost level control** this control permits adjustment of the bass level up to an increase of approximately 18 dB.
- low level inputs** this amp features gold-plated RCA input jacks for high impedance input. Use these with car stereo output which uses RCA-type connector cables.
- high level inputs** if your car stereo lacks RCA-type output jacks, you may connect speaker output leads to these input connectors.
- power LED** this indicator is illuminated when power is applied.
- protection LED** this indicator is illuminated when built-in protection circuitry is activated.
- power fuse** the fuse protects the amplifier and your car's electrical system from short circuit conditions.
- power terminals** use these connectors to deliver power, ground and remote turn-on control to the amplifier.
- speaker connections** these terminals are 14K gold plated to guarantee high conductivity and minimum signal loss.

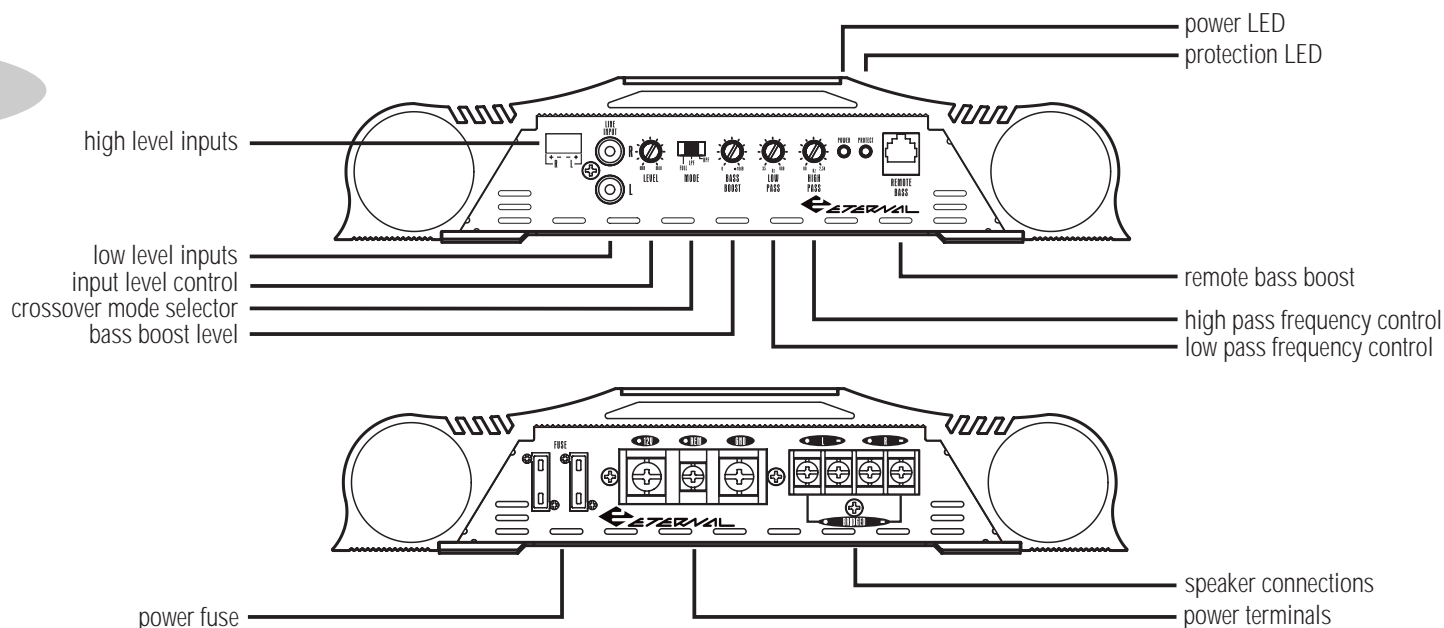
	PLA2370 2 channel amplifier	PLA2470 2 channel amplifier
output power @ 14.4v DC, 1KHz		
<i>RMS Power @ 4 Ohms</i>	100 Watts x 2	150 Watts x 2
<i>RMS Power @ 2 Ohms</i>	150 Watts x 2	220 Watts x 2
<i>Maximum Power Output</i>	700 Watts x 2	800 Watts x 2
frequency response	15 Hz-30 KHz	
input impedance		
<i>low level inputs</i>	10K Ohms	
<i>high level inputs</i>	100 Ohms	
input sensitivity		
<i>low level inputs</i>	250mV	
<i>high level inputs</i>	2.5V	
power supply voltage	14.4V DC Neg. Ground (10.5-16V)	
matching speaker impedance		
<i>stereo mode</i>	2-4 Ohms	
<i>bridged mode</i>	4-8 Ohms	
maximum current draw	30A	50A
dimensions (W x H x L)		
<i>mm</i>	292 x 60 x 400	292 x 60 x 432
<i>inches</i>	11.5 x 2.34 x 15.75	11.5 x 2.34 x 17



### features and controls

2 ch amp PLA2570

PLA2570



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### features and specifications

2 ch amp PLA2570

**PLA2570**  
2 channel amplifier

**crossover mode selector** when used with normal, full range systems, set this switch to "FULL." If you wish to use the internal crossover to power a driver of specific frequency range, use the "LOWPASS" or "HIGHPASS" settings.

**input level control** use this control to match the outputs of your head unit to the amplifier. Starting with your head unit set at about the 2 o'clock position, increase the amp level control until distortion begins to occur, and reduce slightly from this point.

**low pass frequency control** when the crossover selector switch is in "low pass" mode, this control sets the upper frequency limit for audio program sent to the speakers.

**high pass frequency control** when the crossover selector switch is in "high pass" mode, this control sets the lower frequency limit for audio program sent to the speakers.

**Remote Bass Boost** Plug in the Remote Bass Boost Control wire in here.

**bass boost level control** this control permits adjustment of the bass level up to an increase of approximately 18 dB.

**low level inputs** this amp features gold-plated RCA input jacks for high impedance input. Use these with car stereo output which uses RCA-type connector cables.

**high level inputs** if your car stereo lacks RCA-type output jacks, you may connect speaker output leads to these input connectors.

**power LED** this indicator is illuminated when power is applied.

**protection LED** this indicator is illuminated when built-in protection circuitry is activated.

**power fuse** the fuse protects the amplifier and your car's electrical system from short circuit conditions.

**power terminals** use these connectors to deliver power, ground and remote turn-on control to the amplifier.

**speaker connections** these terminals are 14K gold plated to guarantee high conductivity and minimum signal loss.

**output power @ 14.4v DC, 1KHz**

**RMS Power @ 4 Ohms**

**RMS Power @ 2 Ohms**

**Maximum Power Output**

200 Watts x 2

285 Watts x 2

1000 Watts x 2

**frequency response**

15 Hz-30 KHz

**input impedance**

**low level inputs**

**high level inputs**

10K Ohms

100 Ohms

**input sensitivity**

**low level inputs**

**high level inputs**

250mV

2.5V

**power supply voltage**

14.4V DC Neg. Ground (10.5-16V)

**matching speaker impedance**

**stereo mode**

**bridged mode**

2-4 Ohms

4-8 Ohms

**maximum current draw**

60A

**dimensions (W x H x L)**

**mm**

**inches**

292 x 60 x 483

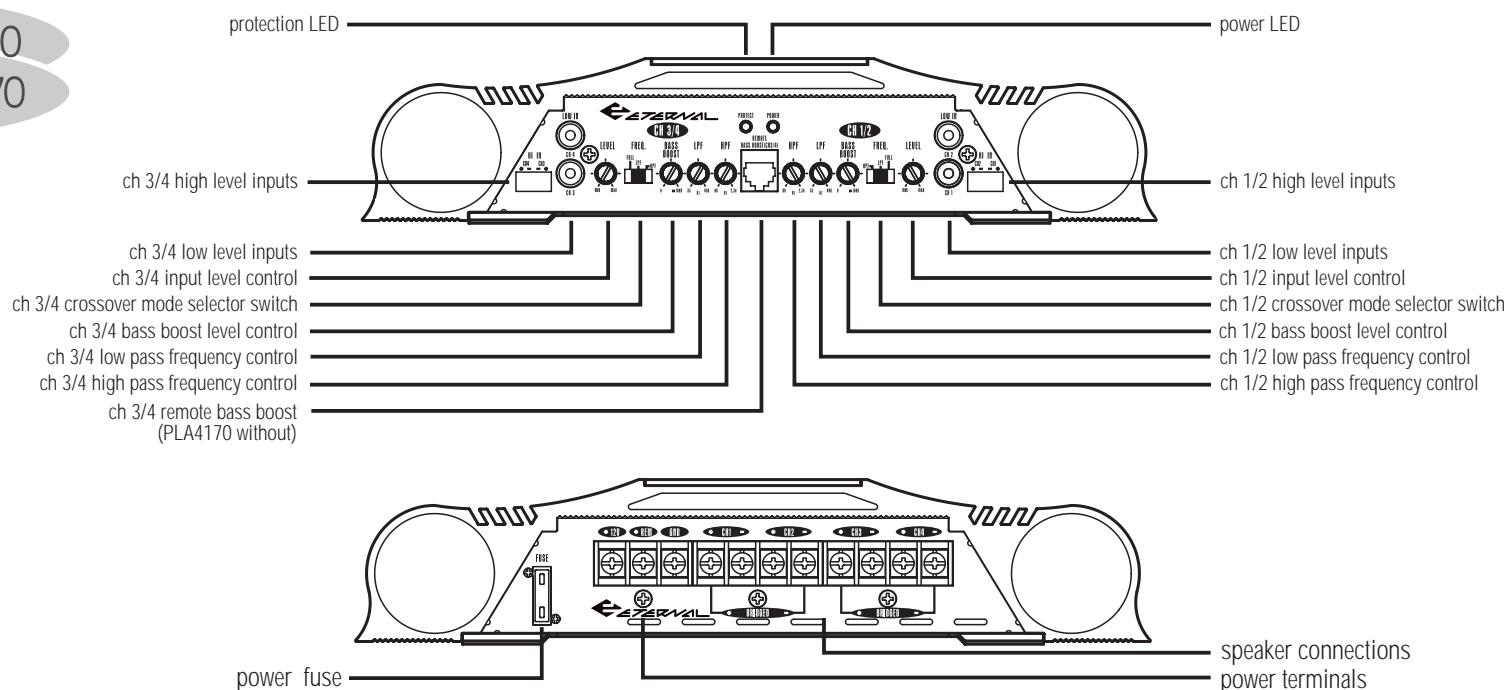
11.5 x 2.34 x 19

11

### features and controls

4 ch amp PLA4170 .PLA4270

PLA4170  
PLA4270



12

### features and specifications

4 ch amp PLA4170 .PLA4270

**crossover mode selector** when used with normal, full range systems, set this switch to "FULL." If you wish to use the internal crossover to power a driver of specific frequency range, use the "LOWPASS" or "HIGHPASS" settings.

**input level control** use this control to match the outputs of your head unit to the amplifier. Starting with your head unit set at about the 2 o'clock position, increase the amp level control until distortion begins to occur, and reduce slightly from this point.

**low pass frequency control** when the crossover selector switch is in "low pass" mode, this control sets the upper frequency limit for audio program sent to the speakers.

**high pass frequency control** when the crossover selector switch is in "high pass" mode, this control sets the lower frequency limit for audio program sent to the speakers.

**Remote Bass Boost** Plug in the Remote Bass Boost Control wire in here.

**bass boost level control** this control permits adjustment of the bass level up to an increase of approximately 18 dB.

**low level inputs** this amp features gold-plated RCA input jacks for high impedance input. Use these with car stereo output which uses RCA-type connector cables.

**high level inputs** if your car stereo lacks RCA-type output jacks, you may connect speaker output leads to these input connectors.

**power LED** this indicator is illuminated when power is applied.

**protection LED** this indicator is illuminated when built-in protection circuitry is activated.

**power fuse** the fuse protects the amplifier and your car's electrical system from short circuit conditions.

**power terminals** use these connectors to deliver power, ground and remote turn-on control to the amplifier.

**speaker connections** these terminals are 14K gold plated to guarantee high conductivity and minimum signal loss.

output power @ 14.4v DC, 1KHz

**RMS Power @ 4 Ohms**  
**RMS Power @ 2 Ohms**  
**Maximum Power Output**

frequency response

input impedance

**low level inputs**  
**high level inputs**

input sensitivity

**low level inputs**  
**high level inputs**

power supply voltage

matching speaker impedance

**stereo mode**  
**bridged mode**

maximum current draw

dimensions (W x H x L)

**mm**  
**inches**

**PLA4170**  
4 channel amplifier

**PLA4270**  
4 channel amplifier

35 Watts x 4  
50 Watts x 4  
250 Watts x 4

75 Watts x 4  
110 Watts x 4  
400 Watts x 4

15 Hz-30 KHz

10K Ohms  
100 Ohms

250mV  
2.5V

14.4V DC Neg. Ground (10.5-16V)

2-4 Ohms  
4-8 Ohms

30A

40A

292 x 60 x 305  
11.5 x 2.34 x 12

292 x 60 x 432  
11.5 x 2.34 x 17

13

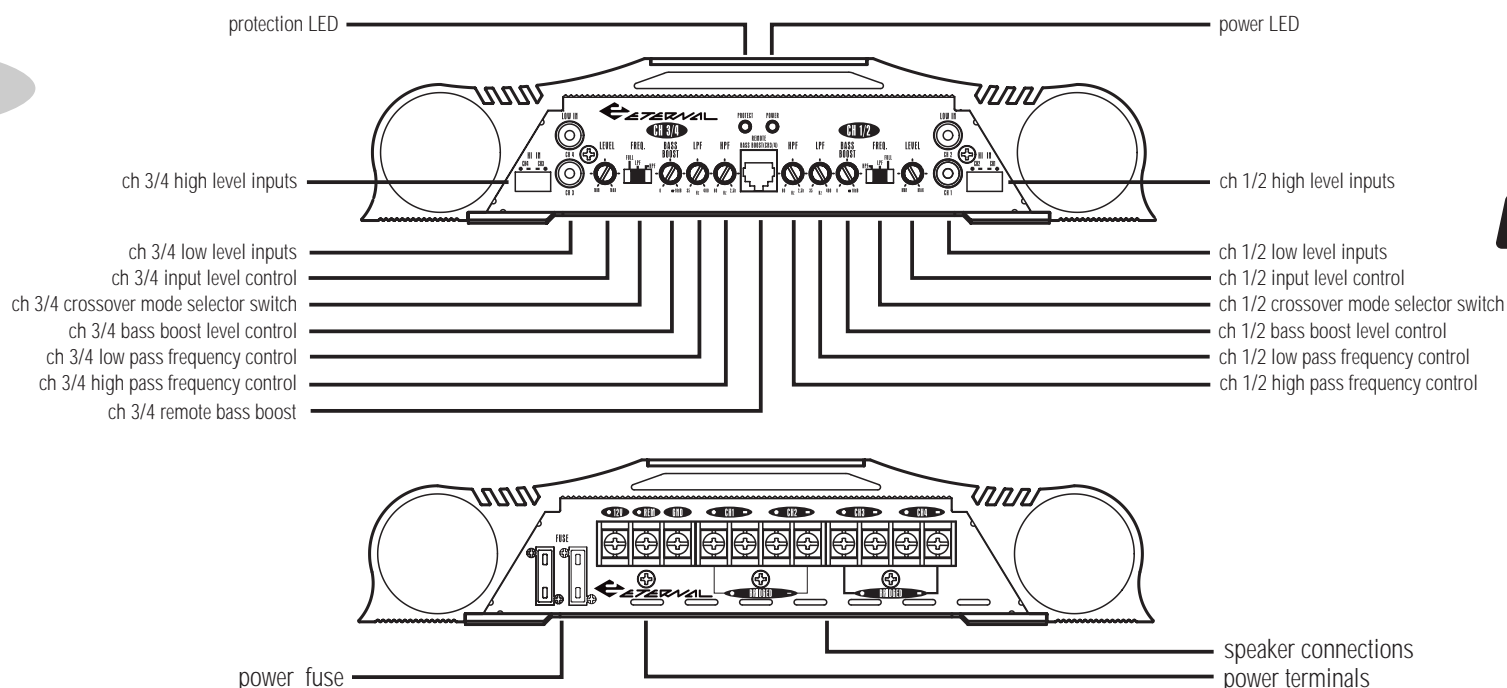
# PYLE

## ETERNAL

### features and controls

4 ch amp PLA4370

PLA4370



14

# PYLE

## ETERNAL

### features and specifications

4 ch amp PLA4370

**PLA4370**

4 channel amplifier

**crossover mode selector** when used with normal, full range systems, set this switch to "FULL." If you wish to use the internal crossover to power a driver of specific frequency range, use the "LOWPASS" or "HIGHPASS" settings.

**input level control** use this control to match the outputs of your head unit to the amplifier. Starting with your head unit set at about the 2 o'clock position, increase the amp level control until distortion begins to occur, and reduce slightly from this point.

**low pass frequency control** when the crossover selector switch is in "low pass" mode, this control sets the upper frequency limit for audio program sent to the speakers.

**high pass frequency control** when the crossover selector switch is in "high pass" mode, this control sets the lower frequency limit for audio program sent to the speakers.

**Remote Bass Boost** Plug in the Remote Bass Boost Control wire in here.

**bass boost level control** this control permits adjustment of the bass level up to an increase of approximately 18 dB.

**low level inputs** this amp features gold-plated RCA input jacks for high impedance input. Use these with car stereo output which uses RCA-type connector cables.

**high level inputs** if your car stereo lacks RCA-type output jacks, you may connect speaker output leads to these input connectors.

**power LED** this indicator is illuminated when power is applied.

**protection LED** this indicator is illuminated when built-in protection circuitry is activated.

**power fuse** the fuse protects the amplifier and your car's electrical system from short circuit conditions.

**power terminals** use these connectors to deliver power, ground and remote turn-on control to the amplifier.

**speaker connections** these terminals are 14K gold plated to guarantee high conductivity and minimum signal loss.

**output power @ 14.4v DC, 1KHz**

**RMS Power @ 4 Ohms**

**RMS Power @ 2 Ohms**

**Maximum Power Output**

100 Watts x 4

150 Watts x 4

500 Watts x 4

**frequency response**

15 Hz-30 KHz

**input impedance**

**low level inputs**

**high level inputs**

10K Ohms

100 Ohms

**input sensitivity**

**low level inputs**

**high level inputs**

250mV

2.5V

**power supply voltage**

14.4V DC Neg. Ground (10.5-16V)

**matching speaker impedance**

**stereo mode**

**bridged mode**

2-4 Ohms

4-8 Ohms

**maximum current draw**

50A

**dimensions (W x H x L)**

**mm**

**inches**

292 x 60 x 483

11.5 x 2.34 x 19

15



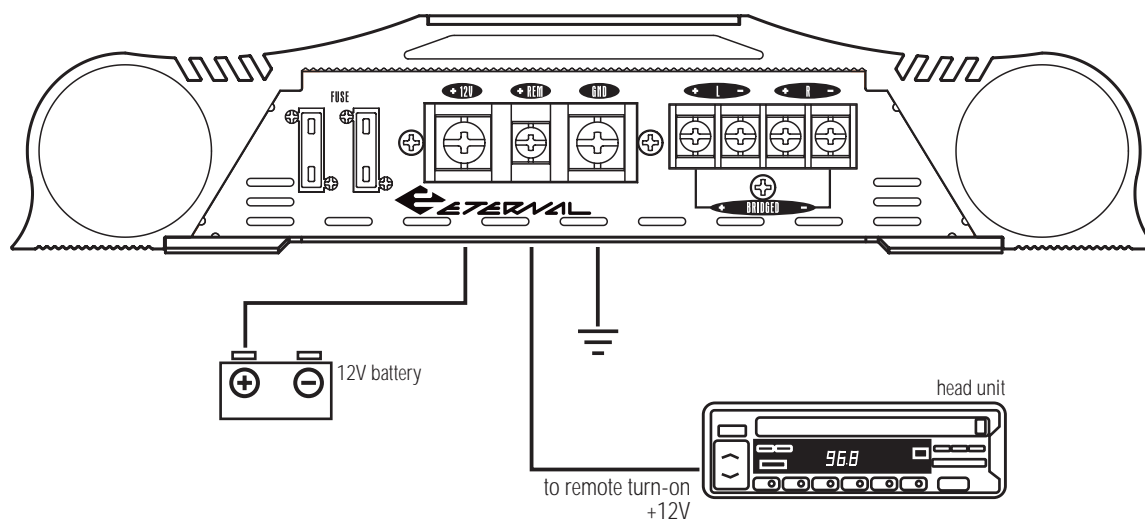
# PYLE

## ETERNAL

### electrical connections

2 ch amps PLA2170 .PLA2270 .PLA2370 .PLA2470 .PLA2570

PLA2170  
PLA2270  
PLA2370  
PLA2470  
PLA2570



16

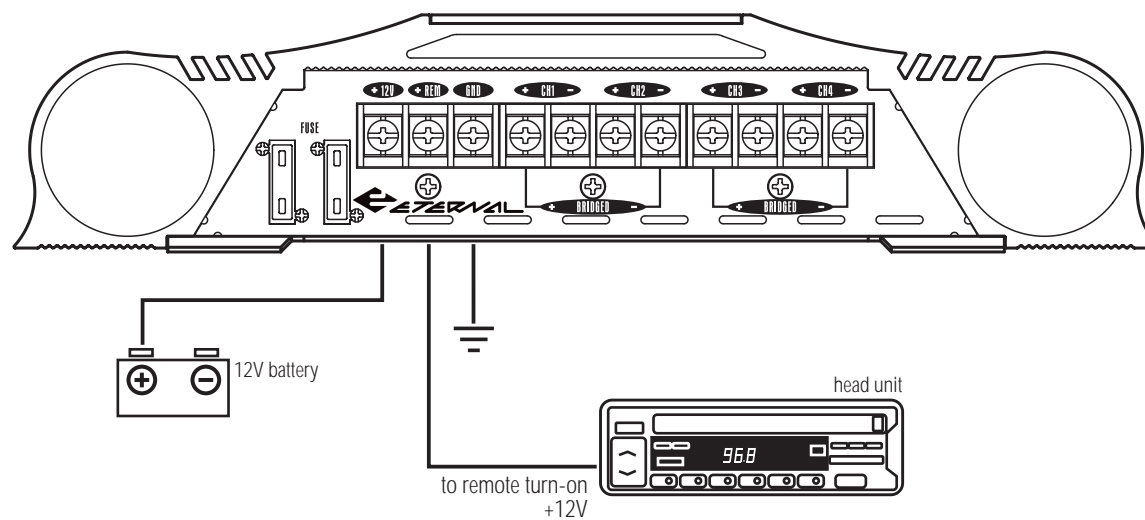
# PYLE

## ETERNAL

### electrical connections

4 ch amps PLA4170 .PLA4270 .PLA4370

PLA4170  
PLA4270  
PLA4370



17

# PYLE

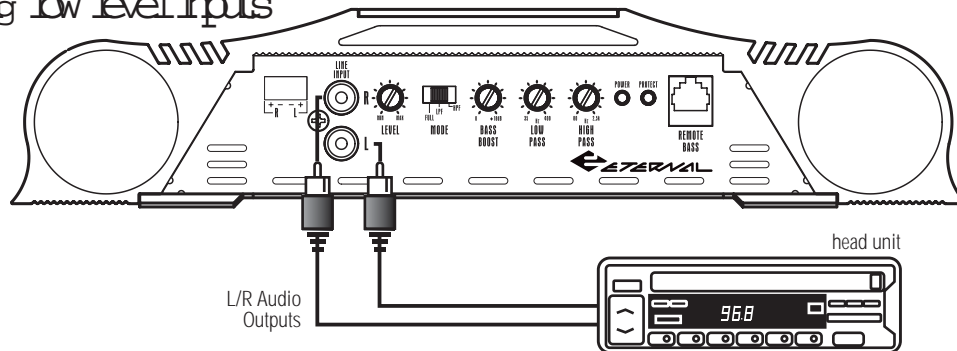
## ETERNAL

### stereo input connections

2 ch amps PLA2170 .PLA2270 .PLA2370 .PLA2470 .PLA2570

using low level inputs

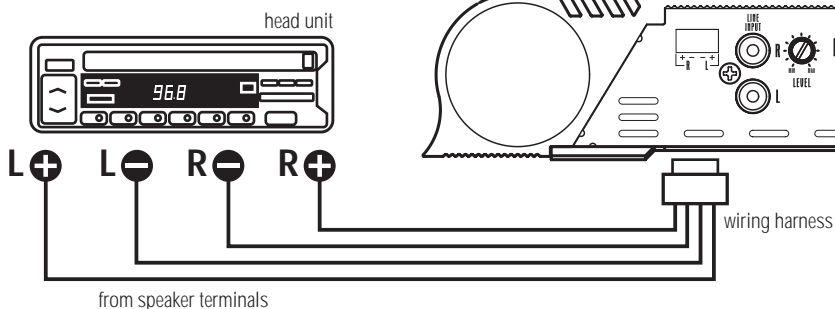
PLA2170  
PLA2270  
PLA2370  
PLA2470  
PLA2570



18

PLEASE! If using high level inputs, don't use the low level RCA inputs at the same time!

using high level inputs



from speaker terminals

# PYLE

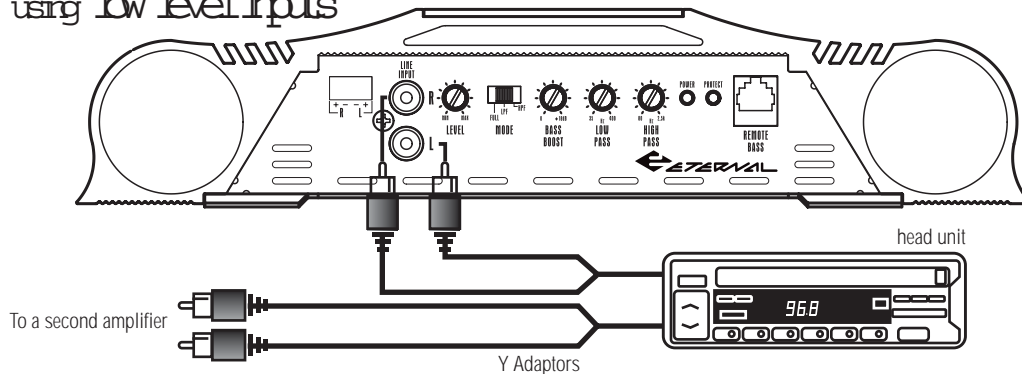
## ETERNAL

### mono input connections

2 ch amps PLA2170 .PLA2270 .PLA2370 .PLA2470 .PLA2570

using low level inputs

PLA2170  
PLA2270  
PLA2370  
PLA2470  
PLA2570



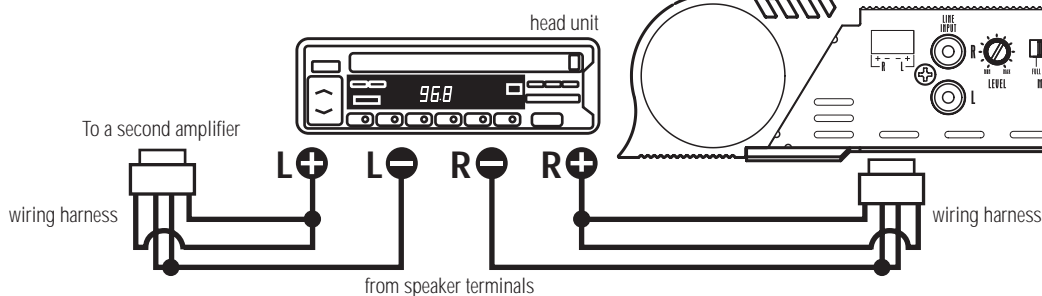
To a second amplifier

Y Adaptors

19

PLEASE! If using high level inputs, don't use the low level RCA inputs at the same time!

using high level inputs



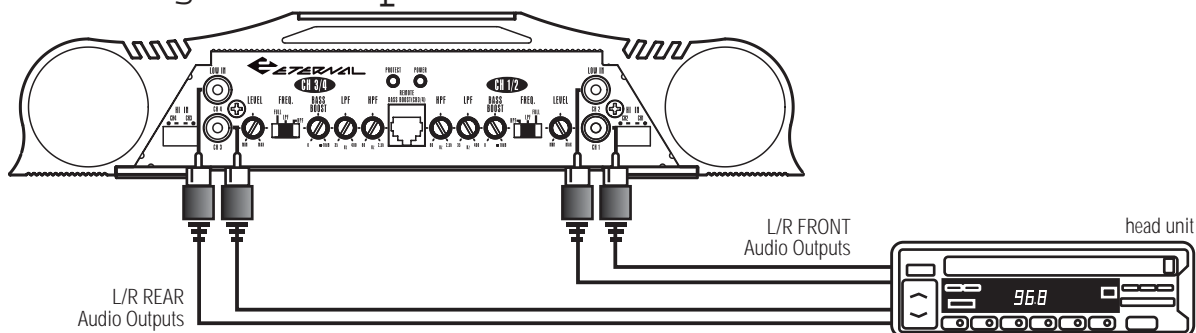
from speaker terminals

## 2/4 channel input connections

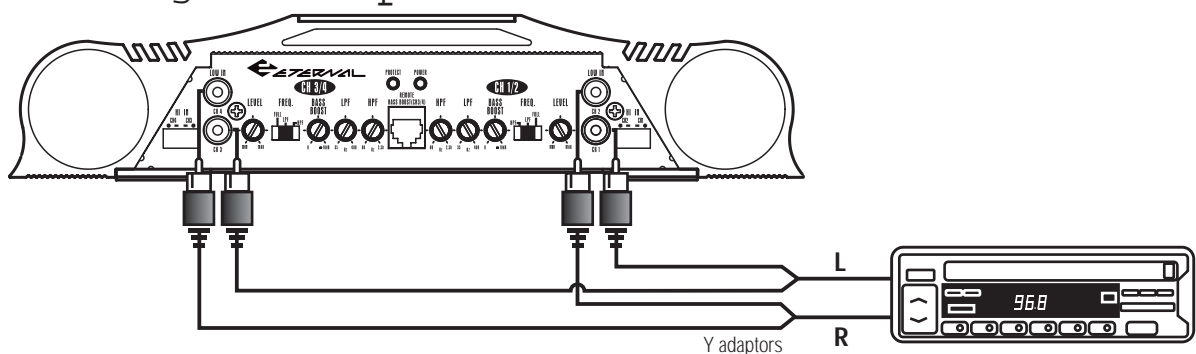
4 ch amps PLA4170 .PLA4270 .PLA4370

4 CH input connections using low level inputs

PLA4170  
PLA4270  
PLA4370



2 CH input connections using low level inputs

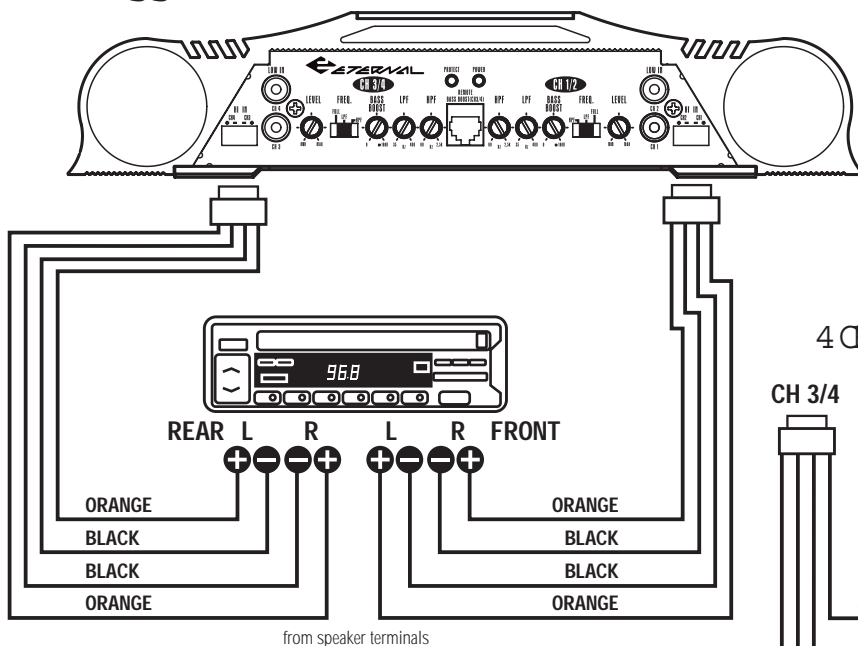


## high level input connections

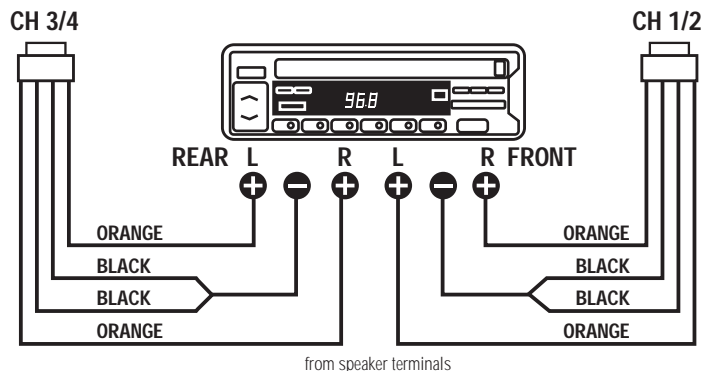
4 ch amps PLA4170 .PLA4270 .PLA4370

4 CH floating ground connections

PLA4170  
PLA4270  
PLA4370



4 CH harness wiring for common ground connections



PLEASE NOTE! If using high level inputs, don't use the low level RCA inputs at the same time!

# PYLE

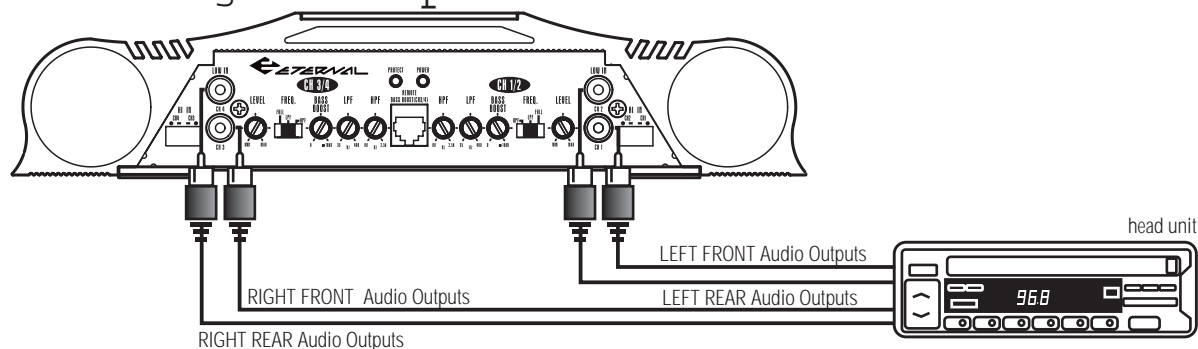
## ETERNAL

### mono input connections

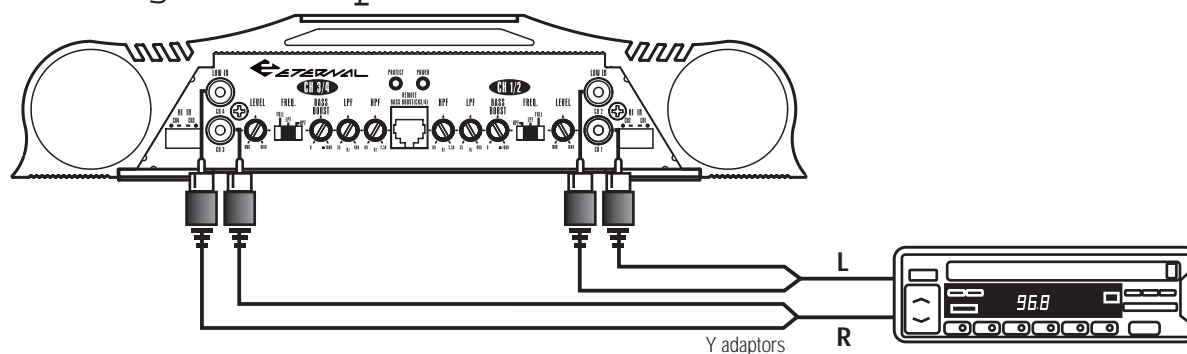
4 ch amps PLA4170 .PLA4270 .PLA4370

4 CH mono input connections using low level inputs

PLA4170  
PLA4270  
PLA4370



2 CH input connections using low level inputs



# PYLE

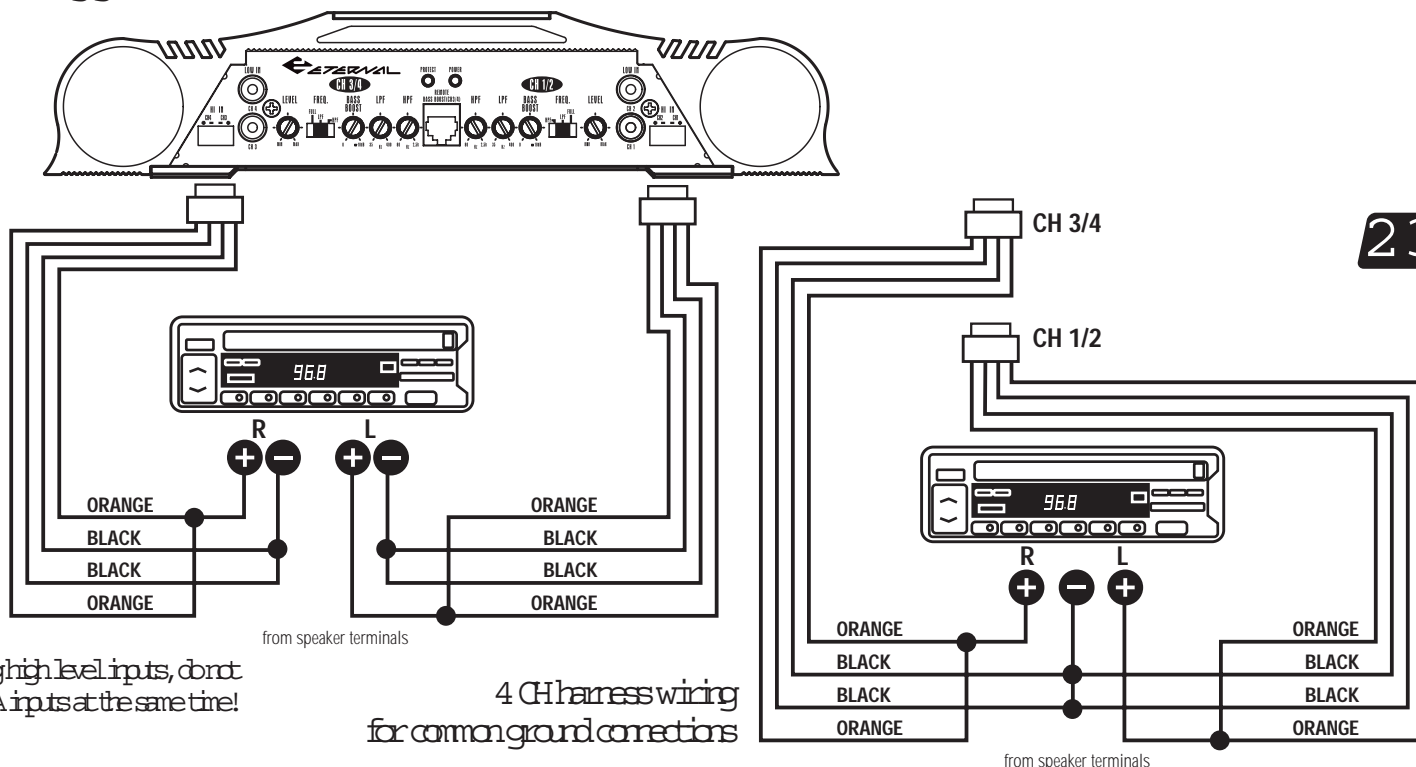
## ETERNAL

### high level mono input connections

4 ch amps PLA4170 .PLA4270 .PLA4370

4 CH floating ground connections

PLA4170  
PLA4270  
PLA4370



PLEASE NOTE! If using high level inputs, don't use the low level RCA inputs at the same time!

4 CH harness wiring for common ground connections

# PYLE

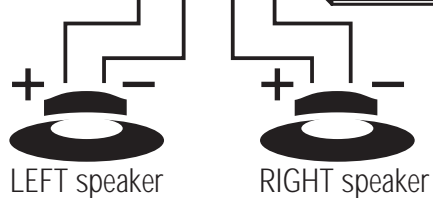
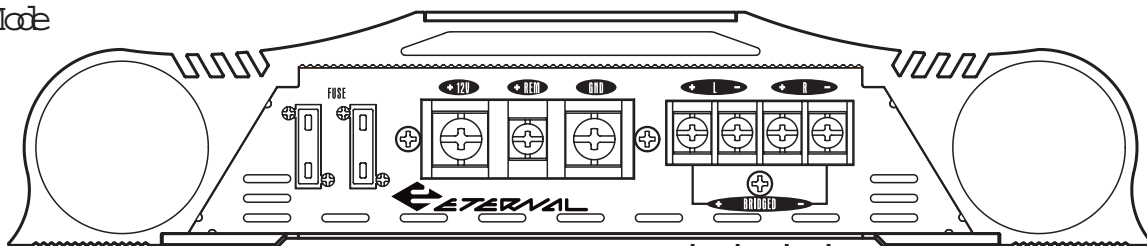
## ETERNAL

Stereo Output Mode

### speaker connections

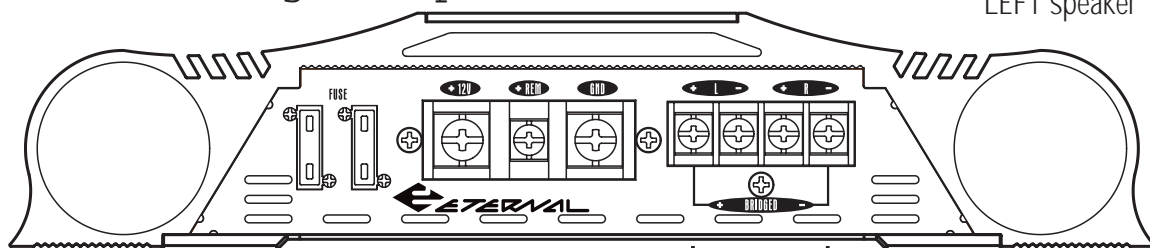
2 ch amps PLA2170 .PLA2270 .PLA2370 .PLA2470 .PLA2570

PLA2170  
PLA2270  
PLA2370  
PLA2470  
PLA2570



24

Bridged Mono Output Mode



# PYLE

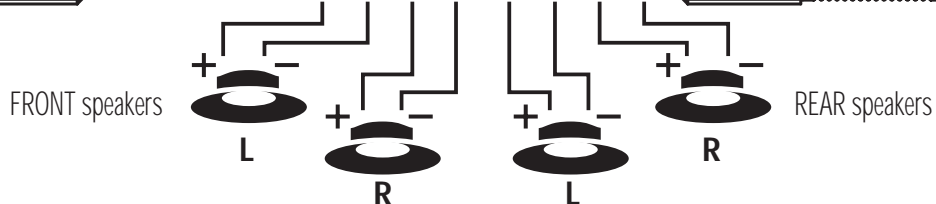
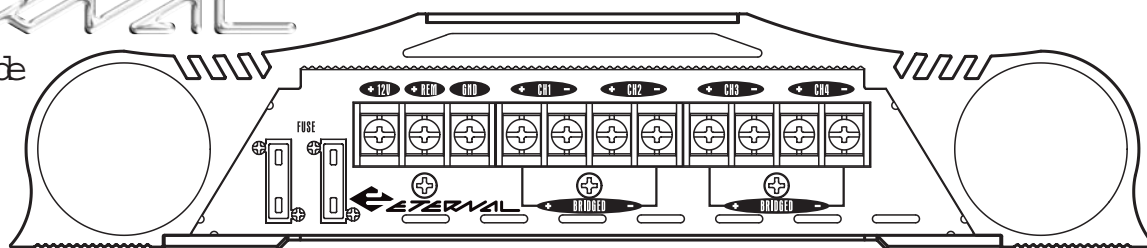
## ETERNAL

4 CH Output Mode

### speaker connections

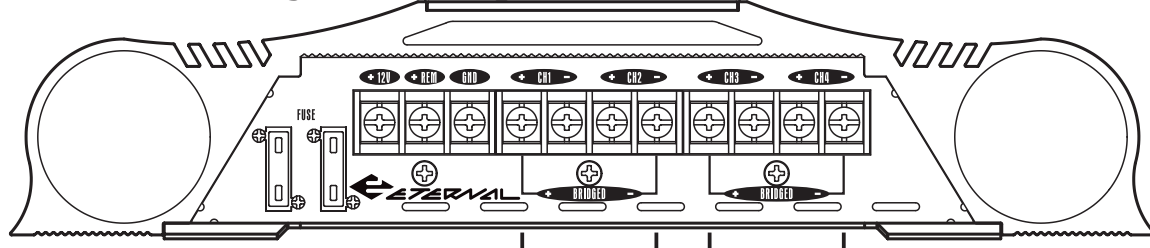
4 ch amps PLA4170 .PLA4270 .PLA4370

PLA4170  
PLA4270  
PLA4370



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Bridged Dual Mono Output Mode





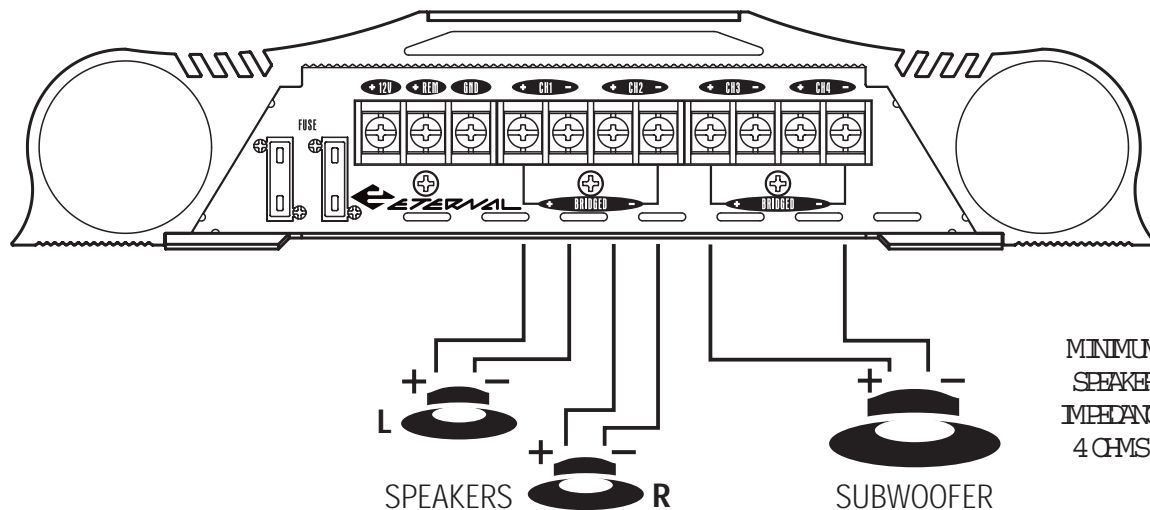
# PYLE

## ETERNAL

### speaker connections 4 ch amp PLA170, PLA270, PLA370

2 CH Stereo Output Mode with Mono Bridged Subwoofer Output

PLA4170  
PLA4270  
PLA4370



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# PYLE

## ETERNAL

### mounting and installation

#### mounting

Your new Pyle Eternal Series amplifier comes complete with all required mounting hardware. When determining a suitable location in your vehicle for the amp, please remember that it is a high-power electronic device capable of generating high heat.

For this reason, **always choose a location in your vehicle which has low vibration, adequate ventilation, a minimum of dust, and no moisture.** Be sure to mount the amp in such a manner as to allow reasonable airflow over the cooling fins.

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

**Before attempting to drill the mounting holes, take note of any wires, lines or other devices in your vehicle which may be located behind the mounting surface!** Then drill pilot holes in the mounting surface for the mounting screws and insert them. Tighten the screws securely.

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#### wiring tips

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

Use at least 8 gauge wire for power and ground connections.

Wire the amplifier directly to the car battery.

For the ground connection, use the shortest possible wire to a good chassis ground point.

Wire the Remote connection to the auto start lead of your head unit, equalizer or power antenna.

#### fuses

**About power fuses:**

Pyle Eternal Series amplifiers feature built-in fuse systems. These fuses protect both the amplifier and the electrical system in your vehicle from fault conditions. If you ever need to replace the fuse in your Pyle Eternal Series amp, use a fuse of exactly the same type and rating. A different type or rating of fuse may result in damage or fire.

# PYLE



## protection circuitry

The built-in protection circuitry in the Pyle Eternal amplifiers will disable the amplifier if it senses an input overload, a speaker short circuit, or extreme temperature conditions.

When the protection circuit is activated by any of these conditions, the Protection LED will be illuminated.

If this occurs, carefully inspect the system to determine the source of the problem.

- If the shutdown was a result of a thermal overload condition, allow the amplifier to cool down before attempting to restart it.
- If the shutdown was a result of an input overload, or speaker short circuit, be sure to correct the condition before restarting.

The amplifier can be restarted by turning the remote power OFF and then ON again.

# PYLE



## precautions

Do not operate the amplifier when it is unmounted. Attach all audio system components securely within the automobile to prevent damage, especially in an accident.

Do not mount this amplifier so that the wire connections are unprotected, or in a pinched condition, or likely to be damaged by nearby objects.

Before making or breaking power connections in your system, disconnect the vehicle battery. Confirm that your head unit or other equipment is turned off while connecting the input jacks and speaker terminals.

If you need to replace the power fuse, do so only with a fuse identical to that supplied with the amplifier. Using a fuse of a different type or rating may result in damage that isn't covered in the manufacturer's warranty.

## troubleshooting

### No output.

Confirm that all terminal strip connections are secure and tight.

Check both in-line and built-in fuses. Both the +12V and the Remote terminals must have +12v referenced to chassis ground.

Confirm that the audio signal source (car radio, equalizer, etc.) is connected and is supplying output signal. To check if the amp is supplying signal, unplug the cables from the signal source (but leave them plugged into the amp). Briefly tap the center pin of each of the disconnected RCA plugs with your finger. This should produce a noise (feedback) in your speakers.

### Only one channel works.

Confirm that all terminal strip connections are secure and tight.

Check the Balance control on the head unit (or other source) to verify that it is set to its midpoint.

If you are using the Low Level RCA input, reverse the input plugs at the amplifier (i.e., switch the L with the R). If the channels which is silent switches to the other side, the problem is either in the head unit/other source or the connecting cables.

### Weak output.

Readjust the Input Level Control(s) to better suit the input signal.

### Noise in the audio.

If the noise is a "whine" whose pitch follows the engine speed, confirm that the amplifier and any other signal sources (head unit, etc.) are properly grounded.

If the noise is a "clicking" or "popping" noise whose rate follows the engine speed, this usually means that the vehicle is equipped with resistor spark plugs and wires, or that the ignition is in need of service.

Check the routing of the speaker and input wires to make sure they are not adjacent to wires which interconnect lights and other accessories.

If the above steps fail to improve or clear noise interference, the system should be checked by a professional mobile audio installer.

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## notes

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### PIA170

High Performance 1000 Watt 4 Channel Bridgeable MOSFET Amplifier

- 250 Watts x 4 Output.
- 500 W x 2 Bridged Output ( 250 W x 2 + 500 W x 1)
- Dual Variable Hi/Lo Electronic Crossover Network
- Dual Variable Bass Boost (0 - +18 dB @ 60Hz)
- Variable Input Level (Gain) Control
- Remote Turn On/Off
- Gold Plated RCA Inputs
- High Level MOLEX Inputs
- Power ON LED Indicator
- LED Protection Indicator
- S/N Ratio: > 95 dB
- THD: <0.04%
- Thermal Protection
- Overload Protection
- Short Circuit Protection
- Anti-Thump Turn-On
- Tri-Mode Configurable

### PIA270

High Performance 1600 Watt 4 Channel Bridgeable MOSFET Amplifier

- 400 Watts x 4 Output
- 800 Watts x 2 Bridged Output (400 W x 2 + 800 Wx 1)
- Dual Variable Hi/Lo Electronic Crossover Network
- Dual Variable Bass Boost (0 - +18 dB @ 60Hz)
- Variable Input Level (Gain) Control
- Remote Turn On/Off
- Gold Plated RCA Inputs
- High Level MOLEX Input
- Power ON LED Indicator
- LED Protection Indicator
- Remote Bass Boost
- S/N Ratio: > 95 dB
- THD: <0.04%
- Thermal Protection
- Overload Protection
- Short Circuit Protection
- Anti-Thump Turn-On



### PIA370

High Performance 2000 Watt 4 Channel Bridgeable MOSFET Amplifier

- 500 Watts x 4 Output
- 1000 Watts x 2 Bridged Output (500 W x 2 + 1000 Wx 1)
- Dual Variable Hi/Lo Electronic Crossover Network
- Dual Variable Bass Boost (0 - +18 dB @ 60Hz)
- Variable Input Level (Gain) Control
- Remote Turn On/Off
- Gold Plated RCA Inputs
- High Level MOLEX Input
- Power ON LED Indicator
- LED Protection Indicator
- Remote Bass Boost
- S/N Ratio: > 95 dB
- THD: <0.04%
- Thermal Protection
- Overload Protection
- Short Circuit Protection
- Anti-Thump Turn-On