



Professional Power Amplifier

Owner's Manual



MA Series

Professional Power Amplifier

Before attempting to connect, operate or adjust this product, please read these instruction completely

Rev: 2.0-NEXT-MA 06/2014

MA Series

PROFESSIONAL POWER AMPLIFIER



Congratulations for choosing **NEXT MA** series professional power amplifier. You purchased one of the finest stereo amplifiers on the market today. This unit was developed using the expertise of professional sound engineers and working musicians. You will find that your new **NEXT MA** Series amplifier has superior performance and greater flexibility than any other amplifiers in its price range. Please read this manual carefully to get the most out of your new unit.

FEATURES

Offering top power, superior performance and full professional operating features in a roadworthy compact chassis, the **MA** Series are perfect for even the most demanding sound reinforcement installation and touring applications.

The operating amplifier instruction in this manual are for all the **MA** Series professional power amplifiers. The operation and functions of these units are the same, except as noted.

- . Full operating features: detent volume controls; parallel balanced XLR and 1/4" TRS inputs; stereo (dual channel), parallel input, or bridged mono operating modes with selector switch; Independent user defeatable clip limiters (compressor) 3 selectable input sensitivities, ground lift switch, binding post (banana plug) and speakon outputs.
- . Full safety/reliability features: 2 dual speed fans for cooling; soft start turn on, noise-free on-off; independent DC and thermal overload protection on each channel; short circuit and speaker protection; built-in current limiter.
- . Front panel led indicators: Active, Signal, Limit and protection
- . Roadworthy, rugged steel chassis (2U/3U)
- . Modular construction for easy servicing

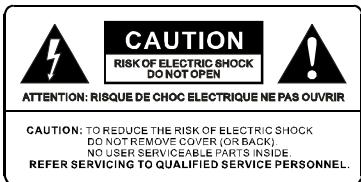
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For your records

Date of Purchase _____
Dealer's Name _____
City _____
State _____ Zip _____
Model # _____
Serial # _____

WARNING



An equilateral triangle enclosing a lightening flash/arrowhead symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure which may be of sufficient magnitude to constitute a risk of electric shock.



An equilateral triangle enclosing an exclamation point is intended to alert the user to the presence of important operating and service instructions in the literature enclosed with this unit.

IMPORTANT SAFETY INSTRUCTIONS

When using this electronic device, basic precautions should always be taken, including the following:

1. Read all instructions before using the product.
2. Do not use this product near water (e.g., near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, etc.).
3. This product should be used only with a cart or stand that will keep it level and stable and prevent wobbling.
4. This product, in combination with headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be positioned so that proper ventilation is maintained.
6. The product should be located away from heat sources such as radiators, heat vents, or other devices (including amplifiers) that produce heat.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product. Replace the fuse only with one of the specified type, size, and correct rating.
8. The power supply cord should: (1) be undamaged, (2) never share an outlet or extension cord with other devices so that the outlet's or extension cord's power rating is exceeded, and (3) never be left plugged into the outlet when not being used for a long period of time.
9. Care should be taken so that objects do not fall into, and liquids are not spilled through, the enclosure's openings.
10. The product should be serviced by qualified service personnel if:
 - A. The power supply cord or the plug has been damaged.
 - B. Objects have fallen into, or liquid has been spilled onto the product.
 - C. The product has been exposed to rain.
 - D. The product does not appear to operate normally or exhibits a marked change in performance.
 - E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond what is described in the user maintenance instructions. All other servicing should be referred to qualified service personnel.

INSTALLATION

This manual contains important information on operating your **MA** Series amplifier correctly and safely. Please read it carefully before operating your amplifier. If you have any questions, contact your **NEXT** dealer or our factory in Portugal (Fax: +351 224805097 e-mail: info@next-proaudio.com).

UNPACKING

Carefully open the shipping carton and check for any noticeable damage. Every **NEXT MA** series amplifier is completely tested and inspected before leaving the factory and should arrive in perfect condition. If you find any damage, notify the shipping company immediately. Be sure to save the carton and all packing materials for carrier inspection.

CONTENTS

- . Owner's manual
- . **MA** Series amplifier (verify that the unit's serial number is same as shown on shipping carton)
- . AC Power cord
- . Warranty Card

RACK MOUNTING

The **MA** Series amplifiers are designed for standard 19" rack mounting as well as "stack" mounting without a cabinet. Use 4 screws and washers for mounting to the front rack rails. It is also a good idea to support the amps also in the rear, especially for mobile use where the amps will be subjected to strong vibrations.

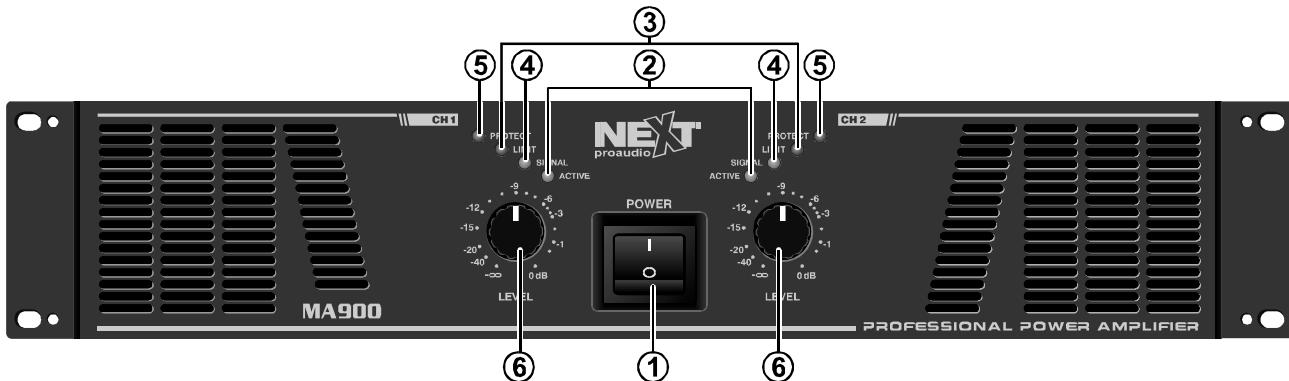
AMPLIFIER COOLING

Also pay close attention to the cooling requirements. Never block the air vents in the back side and front of the amplifier.

Do not install the amplifier in a location that is exposed to direct rays of the sun, or near hot appliances or radiators. Excessive heat can adversely affect the cabinet and the internal components. Installation of the amplifier in a damp or dust environment may result in malfunction or accident.

If installed in a rack please be sure to open completely the back door. Periodically remove the internal dust by using compressed air through the external ventilation holes.

FRONT & REAR CONNECTIONS (MA900-MA3200)



FRONT PANEL

1. POWER SWITCH

To turn the unit ON or OFF, press the upper or lower portion of this button. Before turning on the amplifier, check all connections and turn down the level controls. A momentary muting is normal when turning the amplifier on or off.

(Caution: Always turn on your power amplifier last, after all your other connected equipment, and always turn off your power amplifier before your other connected equipment.)

2. ACTIVE LED INDICATORS

These LEDs illuminate when the power is turned "ON".

3. LIMIT LED INDICATORS

These LEDs illuminate if any section of the power amplifier's output are within 3dB of clipping. Occasional blinking of the LEDs are acceptable, but if they remain on more than intermittently you should turn down either the power amplifier's level controls or reduce the output level of the preceding component to avoid audible distortion.

4. SIGNAL LED INDICATORS

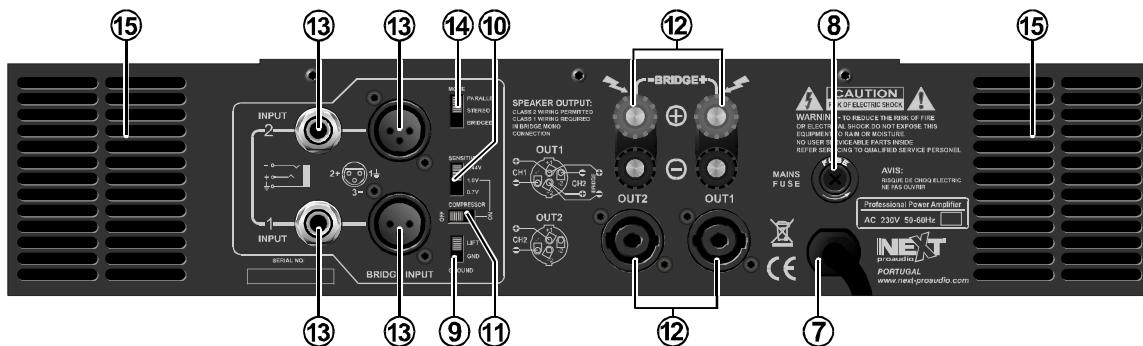
These LEDs illuminate to confirm the presence of an input signal greater than 100 mV at that channel of the amplifier

5. PROTECT LED INDICATORS

These LEDs illuminate if the power amplifier's output connection is shorted, the load impedance is too low. Or if there is an internal malfunction. When either of these LEDs is lit up, turn OFF the power and check the output's connection to verify that it is correct, then turn ON the power again.

6. LEVEL CONTROLS

These control the level of signal coming into each channel. The actual voltage attenuation of the amplifier is shown in dB. Turn these controls counterclockwise if the Limit LEDs illuminate steadily (indicating a too strong input signal).



REAR PANEL

7. POWER CONNECTOR

The cord connector is used to connect the AC power source to your power amplifier.

(CAUTION : Always operate the unit with the AC ground wire connected to the electrical system ground)

8. FUSE

Fuse holders for 20A/250V fuses. If these fuses continuously blow, shut off the unit and have it serviced by qualified service personnel.

9. GROUND LIFT SWITCH

Switch up to disconnect the chassis from ground if necessary to eliminate hum caused by ground loops.

10. SENSITIVITY SELECTOR SWITCH

The MA Series amplifiers offer 3 SENSITIVITY of operation: 0.7V 1.0V & 1.44V.

11. COMPRESSOR SELECTOR SWITCH

The MA Series amplifiers offer OFF or COMPRESSOR. The compressor only works when the 1v sensitivity is selected.

FRONT & REAR CONNECTIONS (MA900-MA3200)

12. L/R CHANNEL OUTPUT CONNECTORS

Connections are as described on the rear panel and in the **CONNECTIONS** section on page 5 of this manual.

13. BALANCED INPUT CONNECTORS (1/4" TRS & XLR)

These 1/4" (6.3mm) TRS (Tip/Ring/Sleeve) phone jacks and XLR connectors are compatible with balanced inputs and are wired as Tip/Pin 3 = (-), Ring/Pin 2 = (+), and Sleeve/Pin 1 = Ground. Since the TRS phone jacks and XLR connectors are internally wired in parallel, you can parallel this unit with another amplifier by using either the LINE1/4" jack or the XLR (depending on which you're using to input your signal) to output the signal to the input connectors of the other amplifier.

The 1/4" TRS phone jacks can also be used for unbalanced inputs. For TRS phone plugs, simply connect the Ring to the Sleeve (ground). For 1/4" TS phone plugs, no change is necessary however signal. Balanced connections are recommended as they are less prone to AC hum. For long cable runs a source output impedance of less than 600 ohms is needed to avoid signal loss. For short cable runs an unbalanced signal input should be suitable. For stereo (two-channel) operation, use the inputs for both CH-1 and CH-2; for parallel or bridged mono operation, use only CH-1 input. (See MODE SELECTOR SWITCH below for more explanation.)

14. MODE SELECTOR SWITCH

The MA Series amplifiers offer 3 modes of operation: PARALLEL, STEREO & BRIDGED. Slide the switch to one of the three positions for your application.

. PARALLEL (MONO) INPUT - This mode allows both channels to operate in parallel with the same signal and without requiring a Y-cord. In this mode the inputs for both channels are

internally connected, so that you only need to feed a signal into one of the channels. This still allows independent level control of each channel. It also enables easy "daisy-chaining" with other amps by using the other channel of input connectors.

(Note: Do not select this "Parallel" mode when feeding the amplifier with 2 separate signals.)

(Note: Do not use both unbalanced and balanced cables in the same set-up as that can unbalance all the connections when daisy-chaining, resulting in hum.)

. STEREO INPUT - This is the most common mode generally used, and allows independent control of 2 separate signals such as stereo playback, main and monitor live mixes, and bi-amp operation (highs in one channel and lows in the other).

. BRIDGED MONO - This mode combines the power of both channels to drive a single speaker. In this mode the amp produces 4 times the peak power and 3 times the sustained power into a 4 or 8 ohm speaker than each channel can deliver separately in stereo or parallel mode.

(CAUTION: In this mode the amplifier can deliver high power into a speaker. Make sure that the speaker, connectors and wiring can handle this output. Note that for prolonged overdriven outputs into a 4 ohm speaker the mains fuse may blow, so care must be taken not to overload the amplifier in such operation.)

Connect the input signal to CH-1 input for bridged mono operation.

15. VENTILATION HOLES

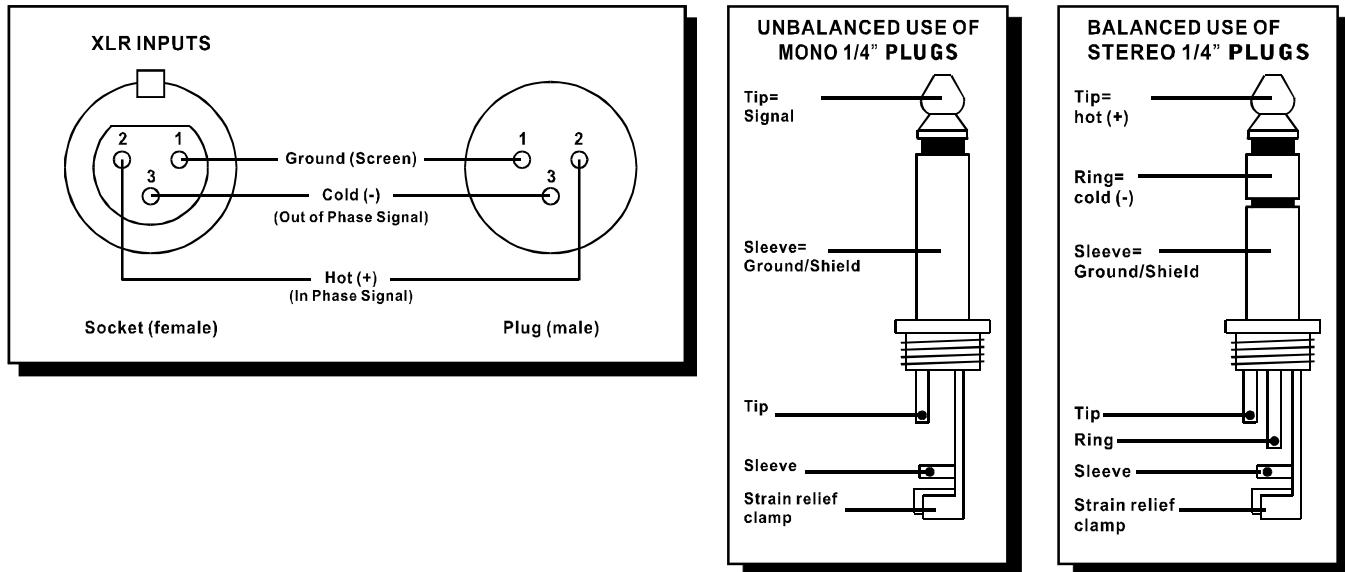
Hot air exhausts out the rear of the amplifier
In order to prevent abnormal increase in temperature
do not block these holes

The fan speed is varied automatically to maintain the proper internal operating temperature.

CONNECTIONS (MA900-MA3200)

The following instructions describe the most common ways to install your amplifier into a sound system.

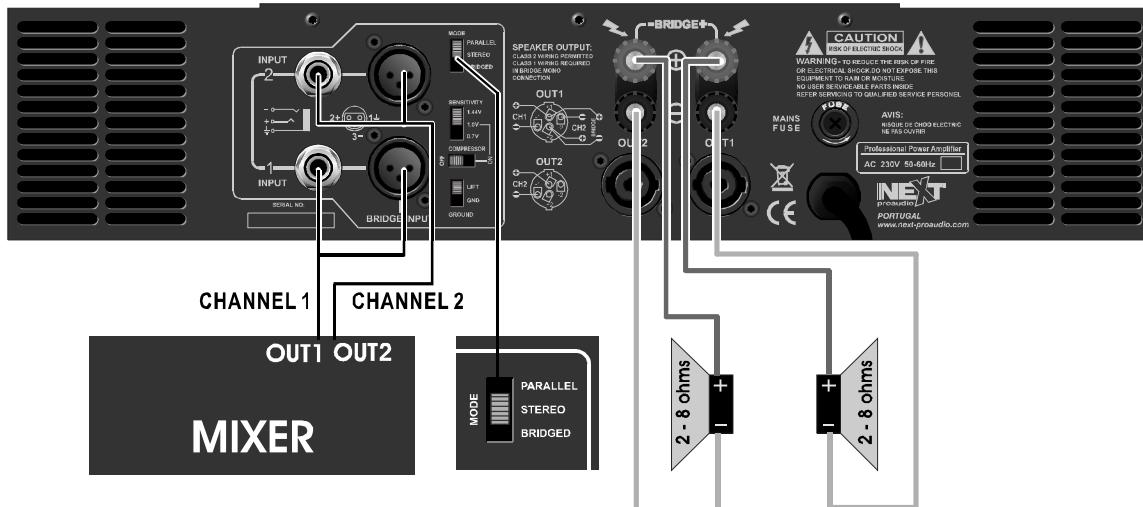
1. Turn off the amplifier power switch before making any connections.
 2. The **MA** Series amplifiers maybe operated in one of three modes (stereo, bridged-mono, and parallel mono). Refer to the following wiring diagrams for the speaker connections you wish to make.
- (Note: **NEXT** Systems assumes no liability for damaged speakers resulting from improper wiring, careless amplifier use, or over powering.)



. Stereo (Two-Channel) Mode

To put the amplifier into stereo mode, first turn the amplifier off, then slide the **MODE SELECTOR SWITCH (14)** to the middle "STEREO" position, and properly connect the input/output wiring as shown.

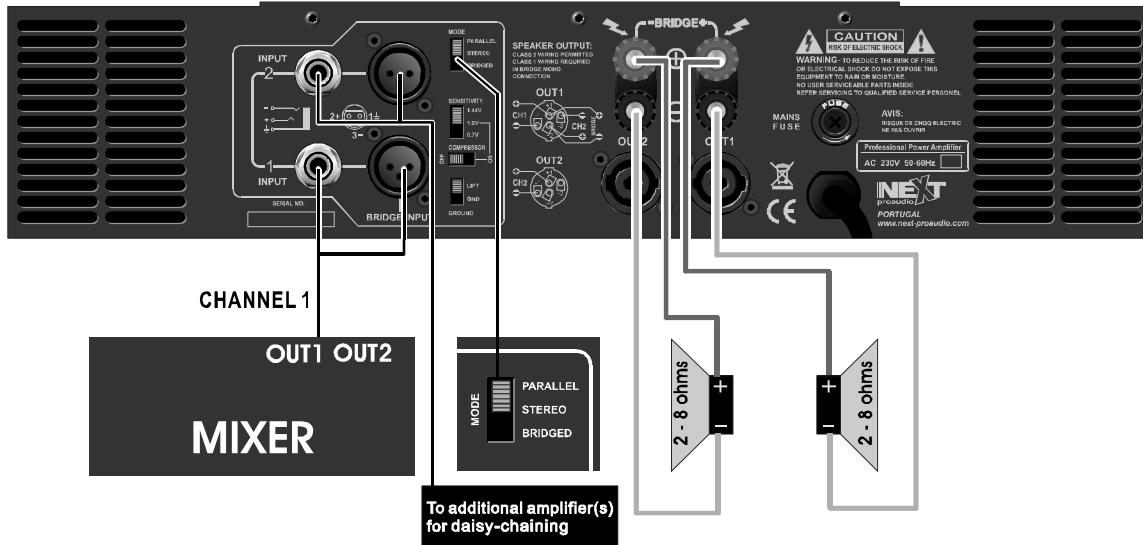
(Note: Do not connect a speaker load less than 2 ohms as it can damage your amplifier.)



CONNECTIONS (MA900-MA3200)

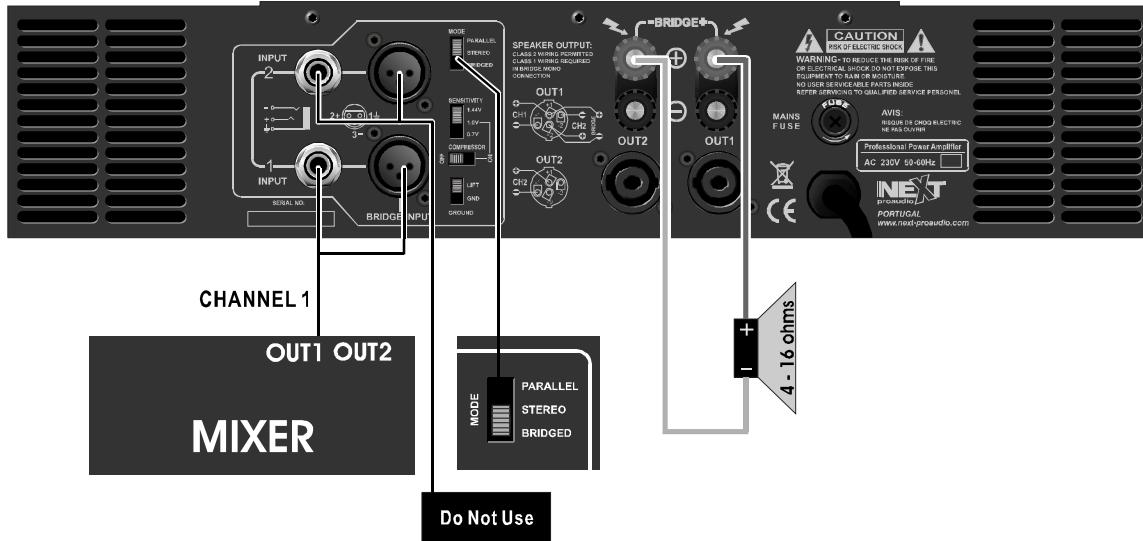
. Parallel (Mono) Mode

To put the amplifier in parallel-mono mode, first turn the amplifier off, then slide the **MODE SELECTOR SWITCH (14)** to the top "PARALLEL (MONO)" position and properly connect the input/output wiring as shown. A signal into any input connector will drive both channels directly. You can patch the input signal on to any other amps using any of the remaining input jacks.
 (Note: Do not connect a speaker load less than 2 ohms as it can damage your amplifier.)
 [Note: Do not use the "PARALLEL (MONO)" switch when feeding the amp 2 separate signals.]

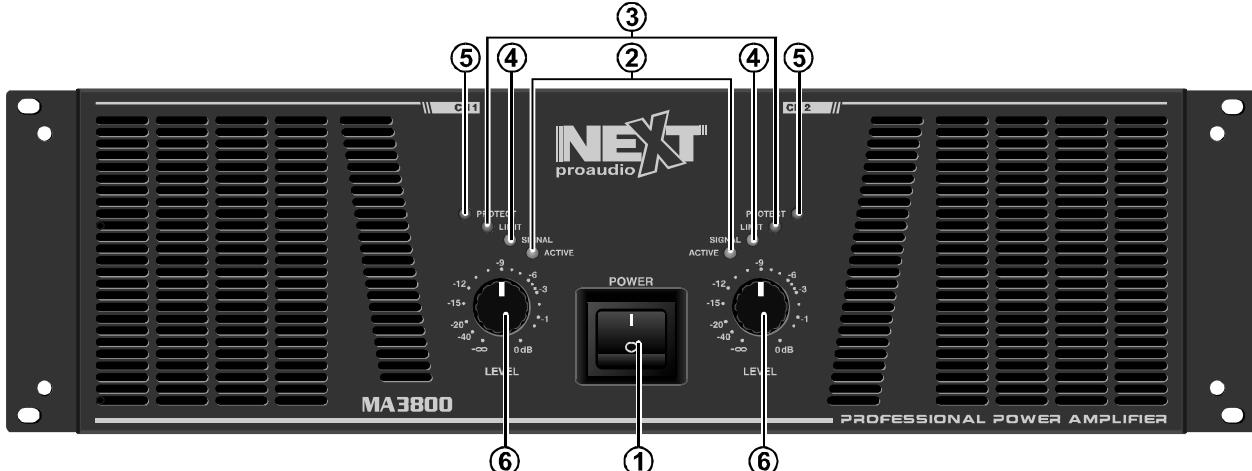


. Bridged Mono Mode

To put the amplifier in bridged mono mode, turn the amplifier off and slide the **MODE SELECTOR SWITCH (14)** toward the bottom "BRIDGED" position and properly connect the input/output wiring as shown. The signal is input into CH-1. Keep the level control of channel "2" turned completely down (counter clock wise).
 (Note: Do not connect a speaker load of less than 4 ohms as it can damage your amplifier.)
 (Note: This mode produces a large amount of power. Be sure that your wiring and speaker can handle it.)



FRONT & REAR CONNECTIONS (MA3800-MA4200)



FRONT PANEL

1. POWER SWITCH

To turn the unit ON or OFF, press the upper or lower portion of this button. Before turning on the amplifier, check all connections and turn down the level controls. A momentary muting is normal when turning the amplifier on or off.

(Caution: Always turn on your power amplifier last, after all your other connected equipment, and always turn off your power amplifier before your other connected equipment.)

2. ACTIVE LED INDICATORS

These LEDs illuminate when the power is turned "ON".

3. LIMIT LED INDICATORS

These LEDs illuminate if any section of the power amplifier's output are within 3dB of clipping. Occasional blinking of the LEDs are acceptable, but if they remain on more than intermittently you should turn down either the power amplifier's level controls or reduce the output level of the preceding component to avoid audible distortion.

4. SIGNAL LED INDICATORS

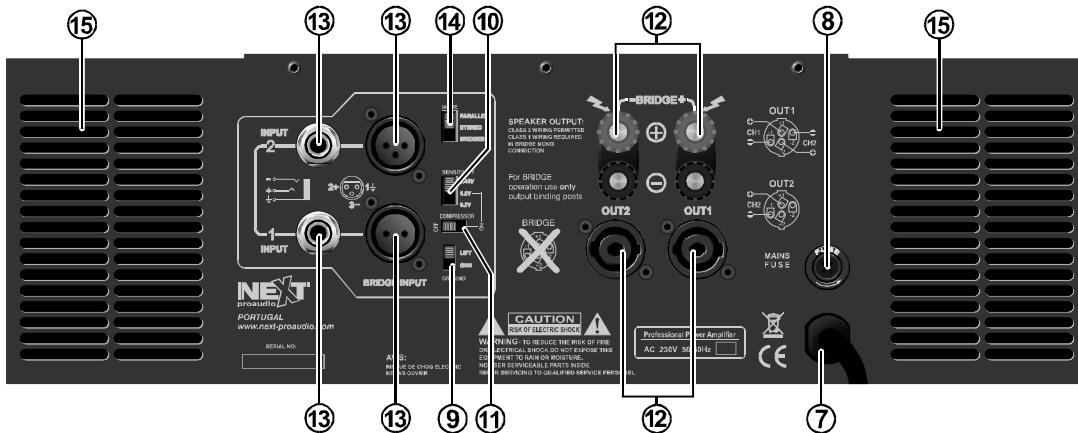
These LEDs illuminate to confirm the presence of an input signal greater than 100 mV at that channel of the amplifier

5. PROTECT LED INDICATORS

These LEDs illuminate if the power amplifier's output connection is shorted, the load impedance is too low. Or if there is an internal malfunction. When either of these LEDs is lit up, turn OFF the power and check the output's connection to verify that it is correct, then turn ON the power again.

6. LEVEL CONTROLS

These control the level of signal coming into each channel. The actual voltage attenuation of the amplifier is shown in dB. Turn these controls counterclockwise if the Limit LEDs illuminate steadily (indicating a too strong input signal).



REAR PANEL

7. POWER CONNECTOR

The cord connector is used to connect the AC power source to your power amplifier.

(CAUTION : Always operate the unit with the AC ground wire connected to the electrical system ground)

8. FUSE

Fuse holders for 20A/250V fuses. If these fuses continuously blow, shut off the unit and have it serviced by qualified service personnel.

9. GROUND LIFT SWITCH

Switch up to disconnect the chassis from ground if necessary to eliminate hum caused by ground loops.

10. SENSITIVITY SELECTOR SWITCH

The MA Series amplifiers offer 3 SENSITIVITY of operation: 0.7V 1.0V & 1.44V.

11. COMPRESSOR SELECTOR SWITCH

The MA Series amplifiers offer OFF or COMPRESSOR. The compressor only works when the 1v sensitivity is selected.

FRONT & REAR CONNECTIONS (MA3800-MA4200)

12. L/R CHANNEL OUTPUT CONNECTORS

Connections are as described on the rear panel and in the **CONNECTIONS** section on page 9 of this manual.

13. BALANCED INPUT CONNECTORS (1/4" TRS & XLR)

These 1/4" (6.3mm) TRS (Tip/Ring/Sleeve) phone jacks and XLR connectors are compatible with balanced inputs and are wired as Tip/Pin 3 = (-), Ring/Pin 2 = (+), and Sleeve/Pin 1 = Ground. Since the TRS phone jacks and XLR connectors are internally wired in parallel, you can parallel this unit with another amplifier by using either the LINE1/4" jack or the XLR (depending on which you're using to input your signal) to output the signal to the input connectors of the other amplifier.

The 1/4" TRS phone jacks can also be used for unbalanced inputs. For TRS phone plugs, simply connect the Ring to the Sleeve (ground). For 1/4" TS phone plugs, no change is necessary however signal. Balanced connections are recommended as they are less prone to AC hum. For long cable runs a source output impedance of less than 600 ohms is needed to avoid signal loss. For short cable runs an unbalanced signal input should be suitable. For stereo (two-channel) operation, use the inputs for both CH-1 and CH-2; for parallel or bridged mono operation, use only CH-1 input. (See MODE SELECTOR SWITCH below for more explanation.)

14. MODE SELECTOR SWITCH

The MA Series amplifiers offer 3 modes of operation: PARALLEL, STEREO & BRIDGED. Slide the switch to one of the three positions for your application.

. **PARALLEL (MONO) INPUT** - This mode allows both channels to operate in parallel with the same signal and without requiring a Y-cord. In this mode the inputs for both channels are

internally connected, so that you only need to feed a signal into one of the channels. This still allows independent level control of each channel. It also enables easy "daisy-chaining" with other amps by using the other channel of input connectors.

(Note: Do not select this "Parallel" mode when feeding the amplifier with 2 separate signals.)

(Note: Do not use both unbalanced and balanced cables in the same set-up as that can unbalance all the connections when daisy-chaining, resulting in hum.)

. **STEREO INPUT** - This is the most common mode generally used, and allows independent control of 2 separate signals such as stereo playback, main and monitor live mixes, and bi-amp operation (highs in one channel and lows in the other).

. **BRIDGED MONO** - This mode combines the power of both channels to drive a single speaker. In this mode the amp produces 4 times the peak power and 3 times the sustained power into a 4 or 8 ohm speaker than each channel can deliver separately in stereo or parallel mode.

(CAUTION: In this mode the amplifier can deliver high power into a speaker. Make sure that the speaker, connectors and wiring can handle this output. Note that for prolonged overdriven outputs into a 4 ohm speaker the mains fuse may blow, so care must be taken not to overload the amplifier in such operation.)

Connect the input signal to CH-1 input for bridged mono operation.

15. VENTILATION HOLES

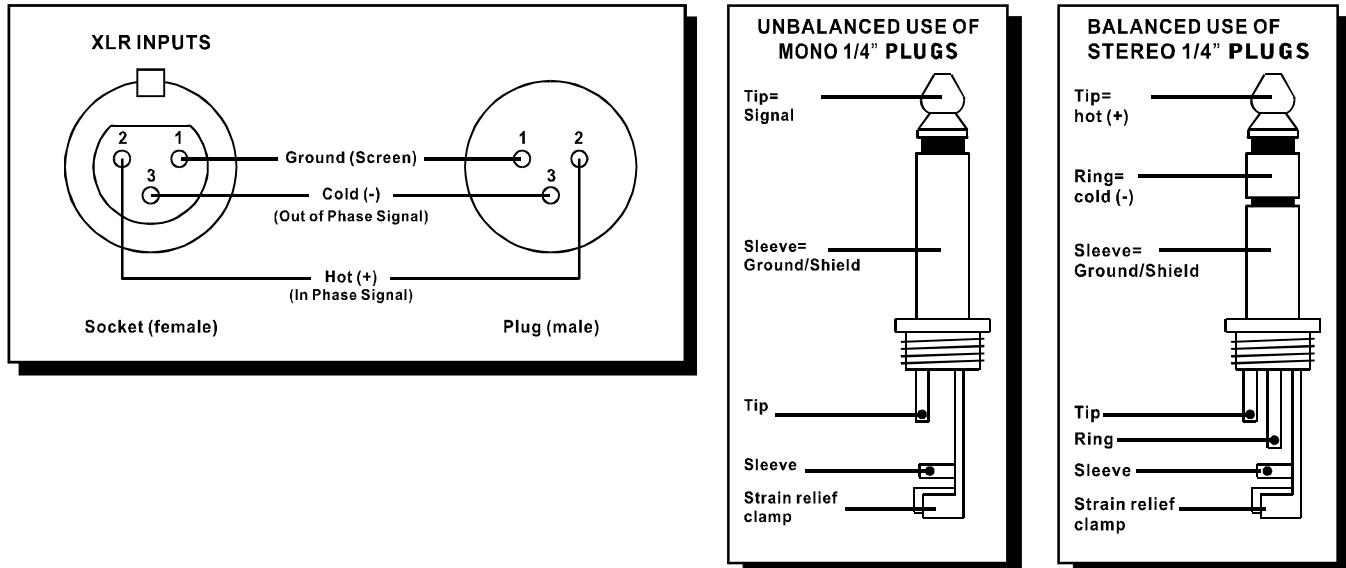
Hot air exhausts out the rear of the amplifier
In order to prevent abnormal increase in temperature
do not block these holes

The fan speed is varied automatically to maintain the proper internal operating temperature.

CONNECTIONS (MA3800-MA4200)

The following instructions describe the most common ways to install your amplifier into a sound system.

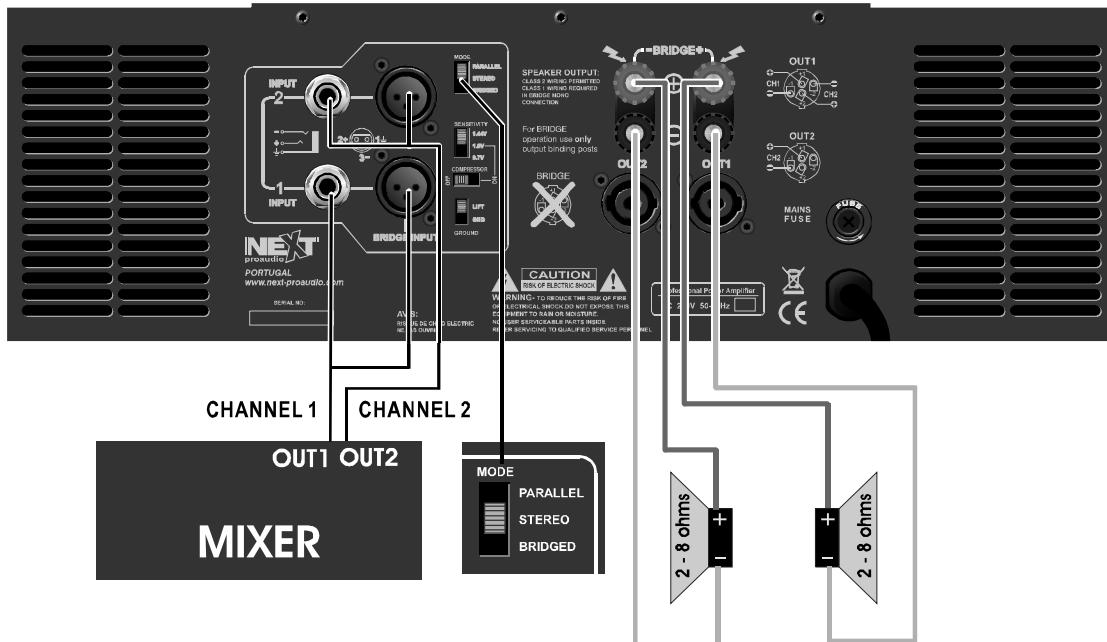
1. Turn off the amplifier power switch before making any connections.
 2. The **MA** Series amplifiers maybe operated in one of three modes (stereo, bridged-mono, and parallel mono). Refer to the following wiring diagrams for the speaker connections you wish to make.
- (Note: **NEXT** Systems assumes no liability for damaged speakers resulting from improper wiring, careless amplifier use, or over powering.)



. Stereo (Two-Channel) Mode

To put the amplifier into stereo mode, first turn the amplifier off, then slide the **MODE SELECTOR SWITCH** (14) to the middle "STEREO" position, and properly connect the input/output wiring as shown.

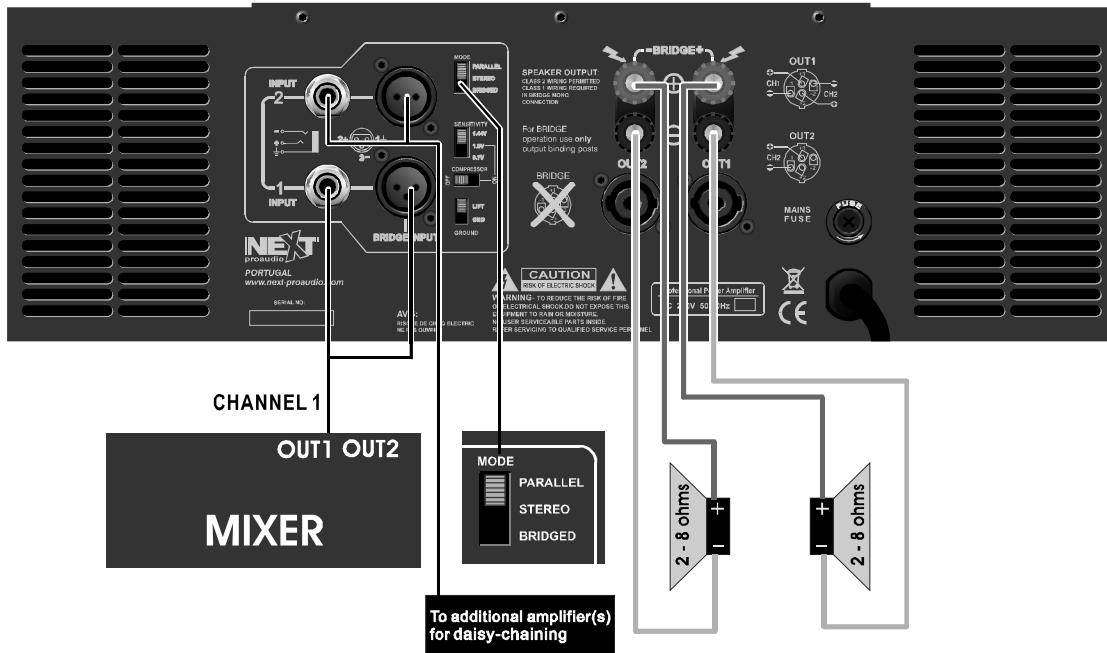
(Note: Do not connect a speaker load less than 2 ohms as it can damage your amplifier.)



CONNECTIONS (MA3800-MA4200)

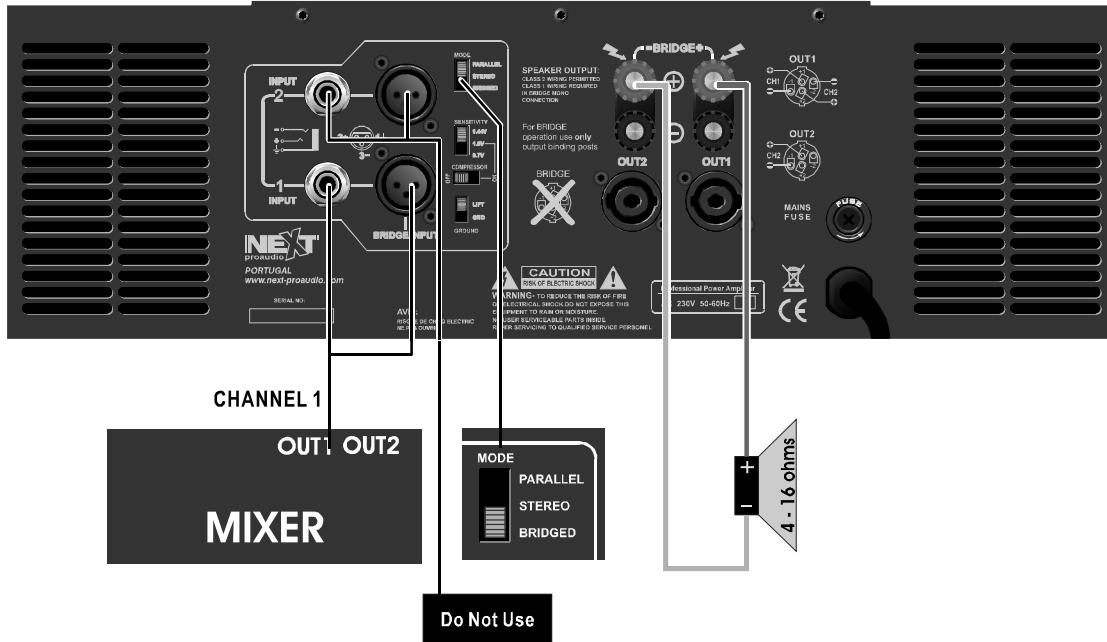
. Parallel (Mono) Mode

To put the amplifier in parallel-mono mode, first turn the amplifier off, then slide the **MODE SELECTOR SWITCH (14)** to the top "PARALLEL (MONO)" position and properly connect the input/output wiring as shown. A signal into any input connector will drive both channels directly. You can patch the input signal on to any other amps using any of the remaining input jacks.
 (Note: Do not connect a speaker load less than 2 ohms as it can damage your amplifier.)
 [Note: Do not use the "PARALLEL (MONO)" switch when feeding the amp 2 separate signals.]

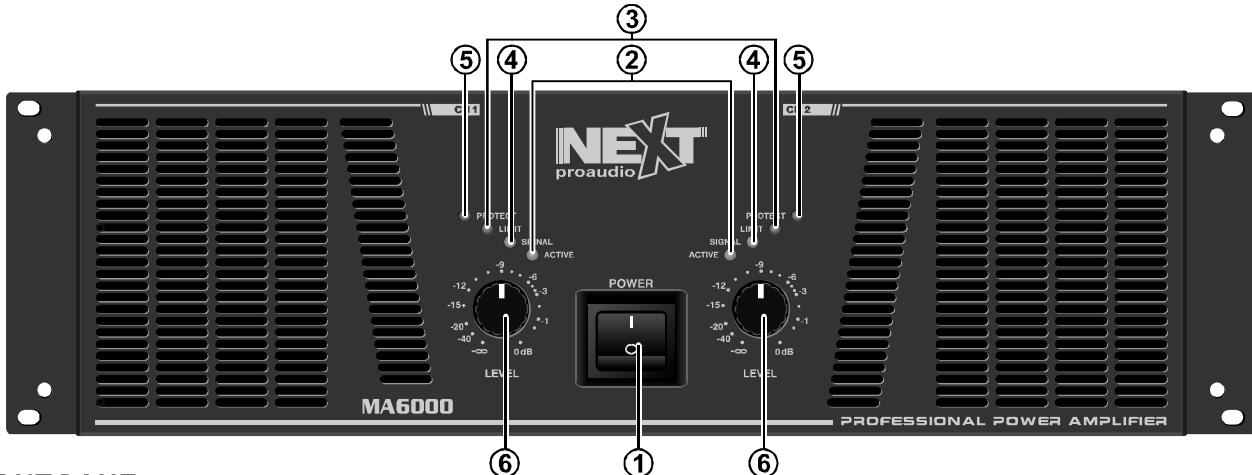


. Bridged Mono Mode

To put the amplifier in bridged mono mode, turn the amplifier off and slide the **MODE SELECTOR SWITCH (14)** toward the bottom "BRIDGED" position and properly connect the input/output wiring as shown. The signal is input into CH-1. Keep the level control of channel "2" turned completely down (counter clock wise).
 (Note: Do not connect a speaker load of less than 4 ohms as it can damage your amplifier.)
 (Note: This mode produces a large amount of power. Be sure that your wiring and speaker can handle it.)



FRONT & REAR CONNECTIONS (MA6000)



FRONT PANEL

1. POWER SWITCH

To turn the unit ON or OFF, press the upper or lower portion of this button. Before turning on the amplifier, check all connections and turn down the level controls. A momentary muting is normal when turning the amplifier on or off.

(Caution: Always turn on your power amplifier last, after all your other connected equipment, and always turn off your power amplifier before your other connected equipment.)

2. ACTIVE LED INDICATORS

These LEDs illuminate when the power is turned "ON".

3. LIMIT LED INDICATORS

These LEDs illuminate if any section of the power amplifier's output are within 3dB of clipping. Occasional blinking of the LEDs are acceptable, but if they remain on more than intermittently you should turn down either the power amplifier's level controls or reduce the output level of the preceding component to avoid audible distortion.

4. SIGNAL LED INDICATORS

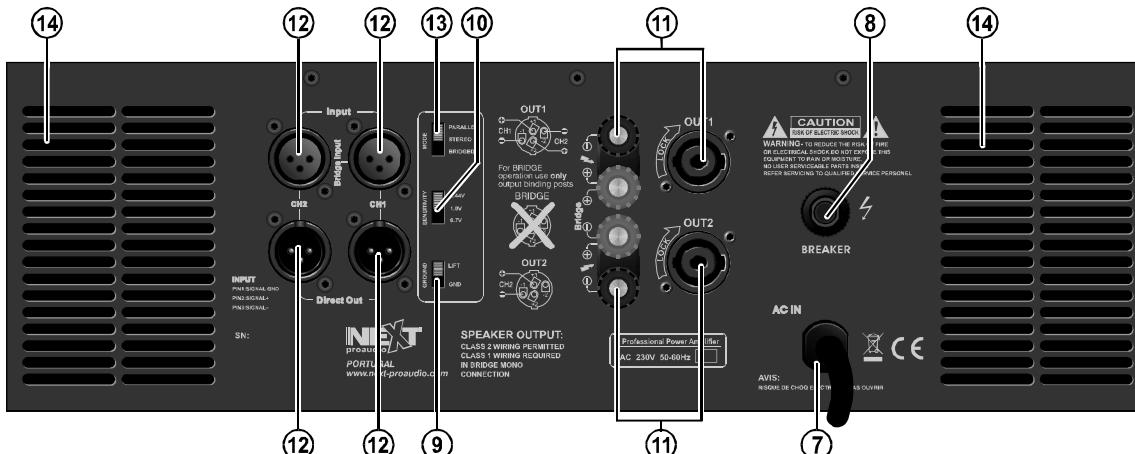
These LEDs illuminate to confirm the presence of an input signal greater than 100 mV at that channel of the amplifier

5. PROTECT LED INDICATORS

These LEDs illuminate if the power amplifier's output connection is shorted, the load impedance is too low. Or if there is an internal malfunction. When either of these LEDs is lit up, turn OFF the power and check the output's connection to verify that it is correct, then turn ON the power again.

6. LEVEL CONTROLS

These control the level of signal coming into each channel. The actual voltage attenuation of the amplifier is shown in dB. Turn these controls counterclockwise if the Limit LEDs illuminate steadily (indicating a too strong input signal).



REAR PANEL

7. POWER CONNECTOR

The cord connector is used to connect the AC power source to your power amplifier.

(CAUTION : Always operate the unit with the AC ground wire connected to the electrical system ground)

8. BREAKER

AC circuit breaker. If the breaker continuously blows, shut off the unit and have it serviced by qualified service personnel.

9. GROUND LIFT SWITCH

Switch up to disconnect the chassis from ground if necessary to eliminate hum caused by ground loops.

10. SENSITIVITY SELECTOR SWITCH

The MA Series amplifiers offer 3 SENSITIVITY of operation: 0.7V 1.0V & 1.44V.

11. L/R CHANNEL OUTPUT CONNECTORS

Connections are as described on the rear panel and in the CONNECTIONS section on page 13 of this manual.

FRONT & REAR CONNECTIONS (MA6000)

12. BALANCED INPUT CONNECTORS (XLR)

The XLR connector is compatible with balanced inputs. Since the XLR connector is internally wired in parallel, you can parallel this unit with another amplifier by using the XLR to output the signal to the input connectors of the other amplifier. Balanced connections are recommended as they are less prone to AC hum. For long cable runs a source output impedance of less than 600 ohms is needed to avoid signal loss. For short cable runs an unbalanced signal input should be suitable. For stereo (two-channel) operation, use the inputs for both CH-1 and CH-2; for parallel or bridged mono operation, use only CH-1 input. (See MODE SELECTOR SWITCH below for more explanation.)

13. MODE SELECTOR SWITCH

The MA Series amplifiers offer 3 modes of operation: PARALLEL, STEREO & BRIDGED. Slide the switch to one of the three positions for your application.

. PARALLEL (MONO) INPUT - This mode allows both channels to operate in parallel with the same signal and without requiring a Y-cord. In this mode the inputs for both channels are

internally connected, so that you only need to feed a signal into one of the channels. This still allows independent level control of each channel. It also enables easy "daisy-chaining" with other amps by using the other channel of input connectors.

(Note: Do not select this "Parallel" mode when feeding the amplifier with 2 separate signals.)

(Note: Do not use both unbalanced and balanced cables in the same set-up as that can unbalance all the connections when daisy-chaining, resulting in hum.)

. STEREO INPUT - This is the most common mode generally used, and allows independent control of 2 separate signals such as stereo playback, main and monitor live mixes, and bi-amp operation (highs in one channel and lows in the other).

. BRIDGED MONO - This mode combines the power of both channels to drive a single speaker. In this mode the amp produces 4 times the peak power and 3 times the sustained power into a 4 or 8 ohm speaker than each channel can deliver separately in stereo or parallel mode.

(CAUTION: In this mode the amplifier can deliver high power into a speaker. Make sure that the speaker, connectors and wiring can handle this output. Note that for prolonged overdriven outputs into a 4 ohm speaker the mains fuse may blow, so care must be taken not to overload the amplifier in such operation.)

Connect the input signal to CH-1 input for bridged mono operation.

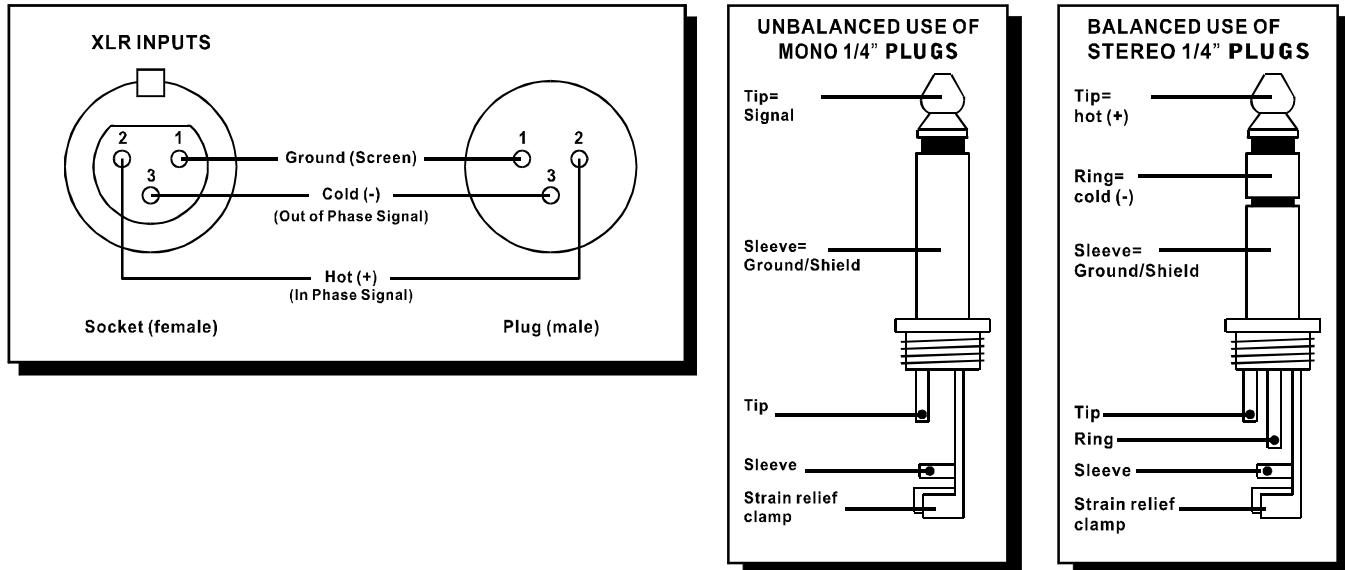
14. VENTILATION HOLES

The fan speed is varied automatically to maintain the proper internal operating temperature.

CONNECTIONS (MA6000)

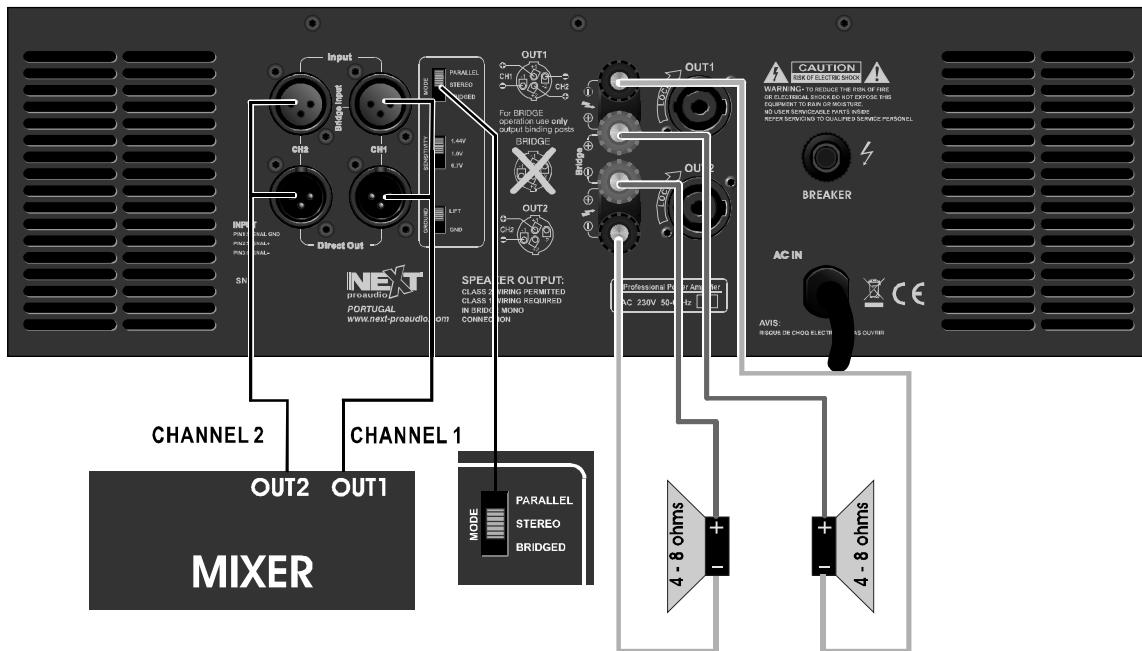
The following instructions describe the most common ways to install your amplifier into a sound system.

1. Turn off the amplifier power switch before making any connections.
 2. The **MA** Series amplifiers maybe operated in one of three modes (stereo, bridged-mono, and parallel mono). Refer to the following wiring diagrams for the speaker connections you wish to make.
- (Note: **NEXT** Systems assumes no liability for damaged speakers resulting from improper wiring, careless amplifier use, or over powering.)



. Stereo (Two-Channel) Mode

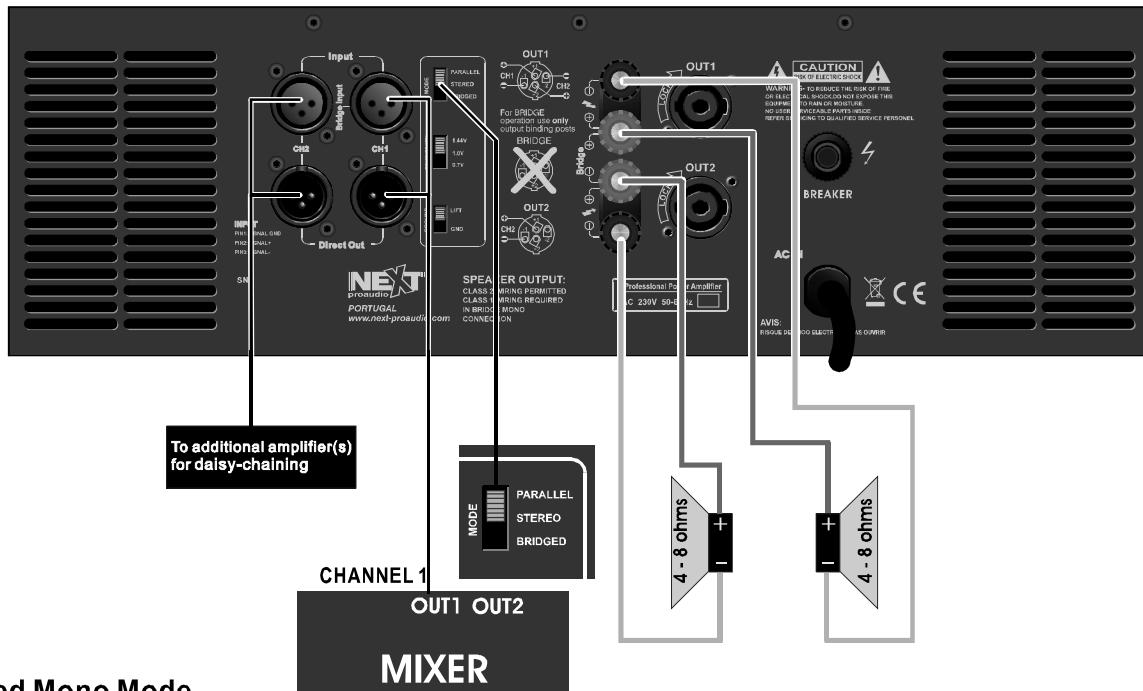
To put the amplifier into stereo mode, first turn the amplifier off, then slide the **MODE SELECTOR SWITCH** (13) to the middle "STEREO" position, and properly connect the input/output wiring as shown.



CONNECTIONS (MA6000)

. Parallel (Mono) Mode

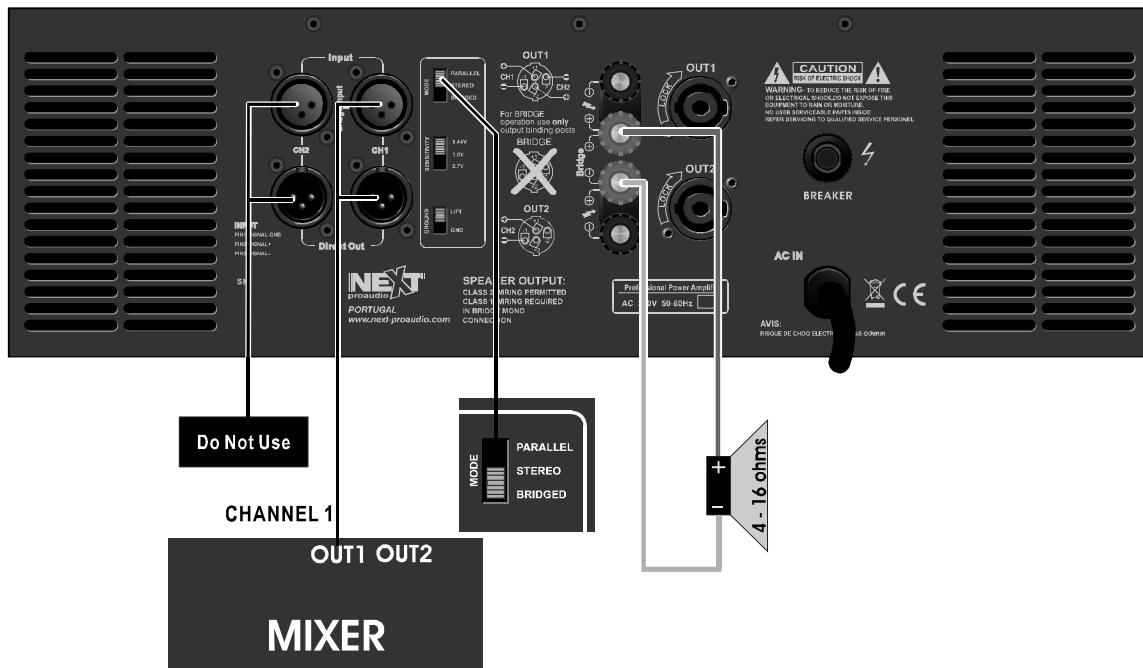
To put the amplifier in parallel-mono mode, first turn the amplifier off, then slide the **MODE SELECTOR SWITCH (13)** to the top "PARALLEL (MONO)" position and properly connect the input/output wiring as shown. A signal into any input connector will drive both channels directly. You can patch the input signal on to any other amps using any of the remaining input jacks.
[Note: Do not use the "PARALLEL (MONO)" switch when feeding the amp 2 separate signals.]



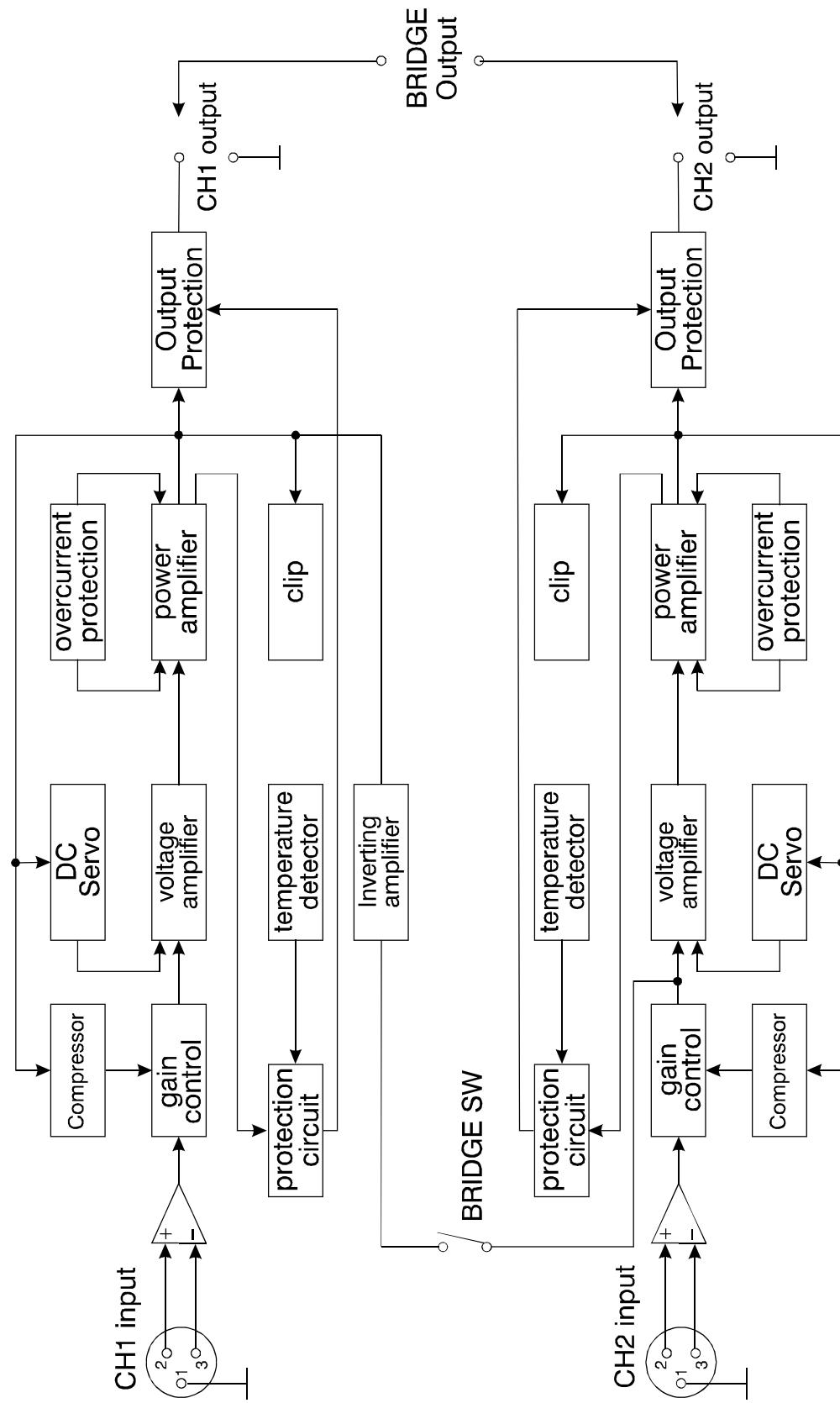
. Bridged Mono Mode

To put the amplifier in bridged mono mode, turn the amplifier off and slide the **MODE SELECTOR SWITCH (13)** toward the bottom "BRIDGED" position and properly connect the input/output wiring as shown. The signal is input into CH-1. Keep the level control of channel "2" turned completely down (counter clock wise).

(Note: This mode produces a large amount of power. Be sure that your wiring and speaker can handle it.)



BLOCK DIAGRAM



SPECIFICATIONS

	MA900	MA1700	MA2300	MA3200	MA3800	MA4200	MA6000				
POWER											
Stereo 8 ohm	200W+200W	400W+400W	600W+600W	800W+800W	1000W+1000W	1200W+1200W	1400W+1400W				
Stereo 4 ohm	325W+325W	625W+625W	875W+875W	1200W+1200W	1500W+1500W	1900W+1900W	2100W+2100W				
Stereo 2 ohm	475W+475W	850W+850W	1150W+1150W	1600W+1600W	1900W+1900W	2400W+2400W	3000W+3000W				
Bridge 8 ohm	650W	1250W	1750W	2400W	3000W	3000W	4200W				
Bridge 4 ohm	950W	1700W	2300W	3200W	3800W	4000W	6000W				
FREQUENCY RESPONSE @ Half Pwr	15Hz - 25KHz (+0/-1dB)										
THD+Noise @ 1KHz Full Pwr	<0.03%	<0.03%	<0.035%	<0.035%	<0.035%	<0.035%	<0.035%				
IMD 60Hz & 7KHz,4:1	<0.038%	<0.038%	<0.04%	<0.04%	<0.04%	<0.04%	<0.04%				
SIGNAL TO NOISE RATIO	>102dB	>102dB	>105dB	>105dB	>105dB	>105dB	>105dB				
SLEW RATE (input filter limited)	40V/uS										
DAMPING FACTOR 1Khz@8 ohm	>400:1										
INPUT SENSITIVITY	SELECTABLE (0.77V / 1.0V / 1.44V)										
INPUT IMPEDANCE	10K ohm Balanced to ground										
INPUT CONNECTORS	Female XLR-3 & 6.35mm TRS Jack										
OUTPUT CIRCUIT TYPE	Class AB			Class H							
OUTPUT CONNECTORS	4 Pole SPEAKON & Binding posts										
PROTECTIONS	Full short-circuit, Open-circuit, Thermal, Soft-start, DC voltage, Sub/Ultrasonic and RF										
LED INDICATORS (per channel)	Active, Signal, Limit, Protect										
PANEL CONTROLS	FRONT-2 input attenuators REAR- Ground lift, mode selection, compressor										
COOLING	Front-to-Back via 2 variable-speed fans										
POWER SUPPLY VOLTAGE	230V AC/50Hz										
POWER SUPPLY FUSE(250V)	5A	8A	12A	15A	20A	20A	98-20A				
DIMENSIONS(W x D x H)	483 x 453 x 88.8mm				483x453x132mm						
WEIGHT	19.6Kg	23.5Kg	26Kg	28Kg	35Kg	36Kg	38Kg				

The specifications above are correct at the time of printing of this manual. For improvement purposes, all specifications for this unit, including design and appearance, are subject to change without prior notice.

NOTES:

Technical assistance

If you suspect that your amplifier is defective, check your system configuration and amplifier settings to determine the origin of the problem. In many cases, incorrect audio interfacing, poor cabling, or other system level impairments are the cause of problems in audio systems. For technical assistance beyond the information given in this manual, the NEXT technical services department may be contacted.

International servicing

For NEXT products that are purchased outside of Portugal, service must be referred to the distributor or dealer from where the product was purchased.



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