

**This product may be purchased from Connevens Limited secure online store
at www.DeafEquipment.co.uk**



DeafEquipment.co.uk

Solutions to improve the quality of life



OPERATING MANUAL

R E I N F O R C E D


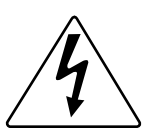

AMPLIFIER

R150/300

interM

UNPACKING AND INSTALLATION

Although it is neither complicated to install nor difficult to operate your power Amplifier, a few minutes of your time is required to read this manual for a properly wired installation and becoming familiar with its many features and how to use them. Please take a great care in unpacking your set and do not discard the carton and other packing necessary to return your set for when moving your set and are required if it ever becomes necessary to return your set for service. Never place the unit near radiators, in front of heating vents, to direct sun light, in excessive humid or dusty location to avoid early damage and for your years of quality use. Connect your complementary components as illustrated in the following page.

	 <p>This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>  <p>This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.</p>
<p>WARNING</p> <p>To prevent fire or shock hazard, do not expose the unit to rain or moisture.</p>	<p>Caution: To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.</p> <p>Attention: Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans en laisser aucune partie à découvert.</p>

FEATURES

- **SUBSTANTIAL PROTECTION CIRCUITARY**

To insure stability and reliability against over current and overheating extra protection circuitary is provided. In addition, turn on delay and DC detection circuitary is provided to protect the loud-speaker.

- **BRIDGED MONO FUNCTION**

These stereo amplifiers can be used for monoral powerful sound by selecting the mode switch.

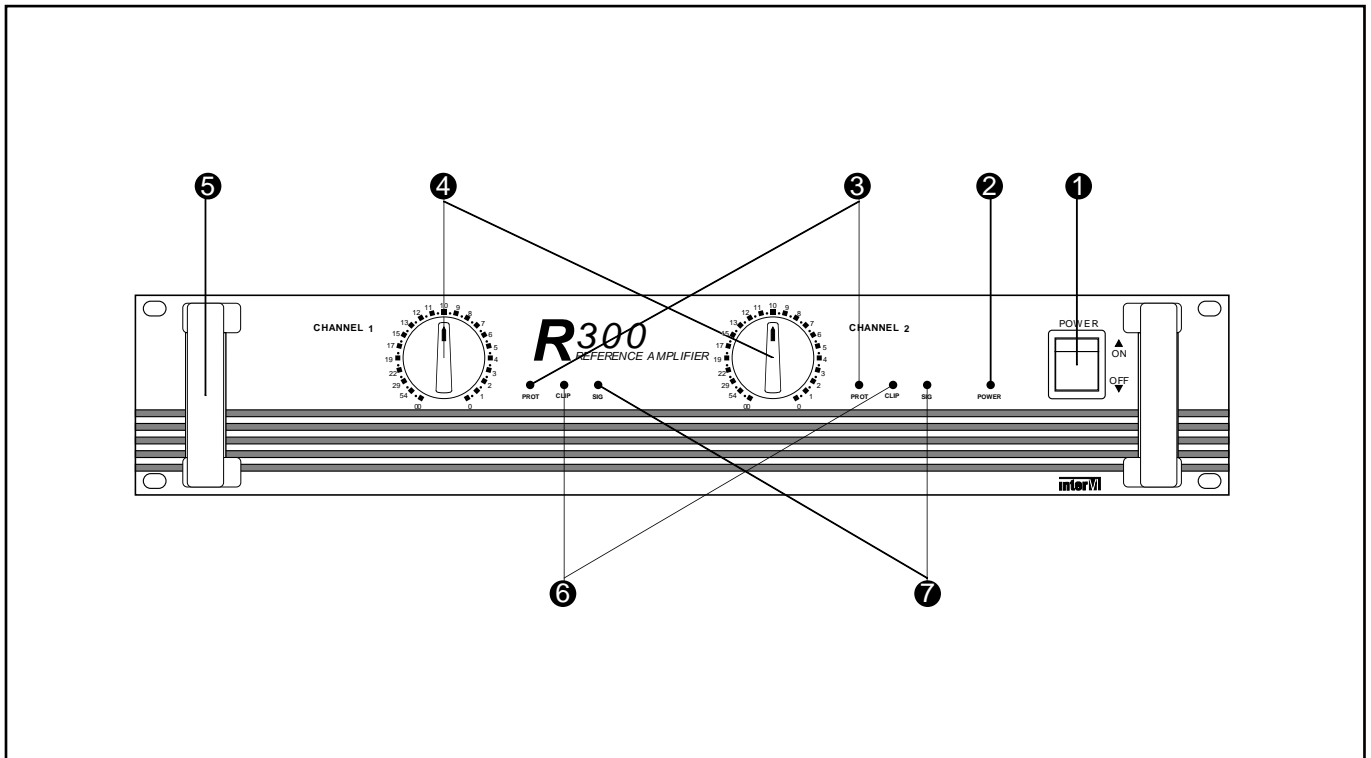
- **VARIOUS DISPLAY**

To confirm the operating status, LED displays of protection, clip, and signals are provided on front panel.

- **CLEAN AND SOFT SOUND**

These Stereo Amplifiers are designed for the use of monitor. Applicate the clean and soft sound with these stereo amplifiers in studio, conference room, music hall and cafe etc.

FRONT PANEL CONTROLS



1. POWER SWITCH

The power switch is used to turn on and off the AC main power.

2. POWER INDICATING LED

Power indicating LED is driven by the low-voltage, and the LED illuminates when the power is "ON".

3. PROTECTION INDICATORS

PROTECTING INDICATING LEDs indicate the condition of the protection circuit. When the protection LEDs are "OFF" the amplifiers is operating normally and when the protection LEDs are "ON" the amplifiers outputs are cut off.

4. LEVEL CONTROLS

Separate level controls are provided for channel one and channel two input, clockwise rotation of the controls increase level.

5. HANDLES

You can handle this amplifier easily by using these handles.

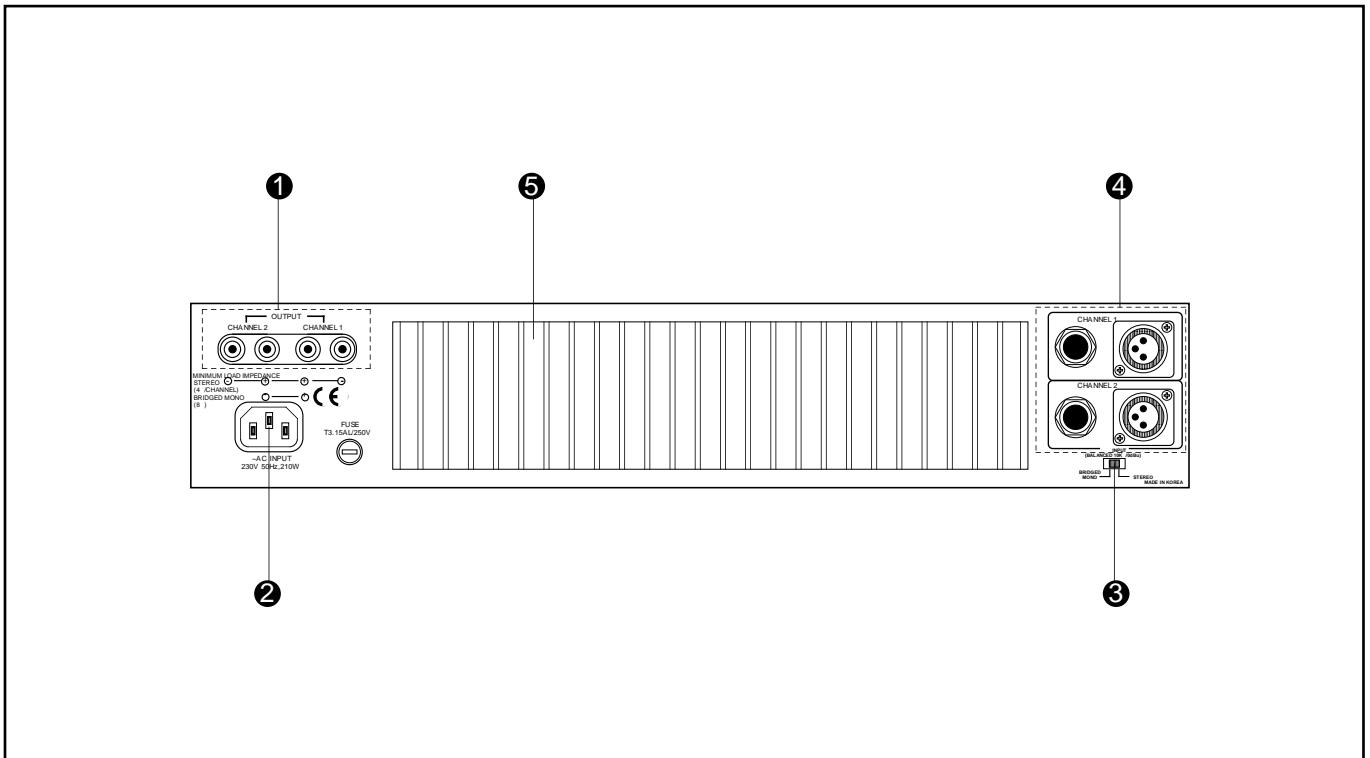
6. CLIP INDICATORS

CLIP indicator on each channel illuminates when distortion reaches or exceeds approximately 1%, indicating that the amplifier is being driven by excessively high inputs or the condition of protection.

7. SIGNAL INDICATORS

Signal indicating LEDs indicate the output level of this amplifiers. These LEDs illuminate when the outputs are 1W/4 .

REAR PANEL CONTROLS



1. OUTPUT TERMINALS

Output terminals are dual five-way binding posts and speaker connectors. Do not parallel the two outputs of each channel by connecting them (together, or parallel them) with any other amplifier output.

*When speakers are connected through speaker, please make sure correct connection of each pin, and refer speaker pin number.

2. AC POWER CORD

Plug this AC input cord into AC outlet.

3. MODE SELECTOK

Bridged mono operation is easily accessed by the slide switch. The input is applied channel one only the corresponding front panel control is used to set the level, please refer bridged mono operation.

4. INPUT CONNECTOK

Input connectors are provided both balanced XLR, and phone jacks.

5. HEAT SINK

Heat sink is emitted heat to the exterior when the amplifier is powered on. When the Amplifier is rack mounted, we recommend that you keep the rear of the rack open in order to release heat. If your rack does not have a removable rear, space should be left open on the front of the rack cabinet.

SPECIFICATIONS

MODEL	R150	R300
Rated Output Power/Max Output Power at 8 Ω , 1KHz (Stereo CH) at 4 Ω , 1KHz (Stereo for CH) at 8 Ω , 1KHz (Bridged Mono)	50W/58W 75W/85W 150W/176W	100W/109W 150W/158W 300W/328W
Frequency Response(\pm 0.5dB)	20Hz to 50KHz	
Total Harmonic Distortion	Less than 0.03%	
Input Sensitivity	0.775V	
Input Impedance	10K (balanced)	
Damping Factor	Greater than 100	
Power Source	AC 110V-240V, 50/60Hz	
Power Consumption	140W	210W
Weight	7.5Kg	8.2Kg
Dimensions	482(W) x 88(H) x 210(D)mm	

* Specifications and design subject to change without notice for improvement.

The current or wattage consumption of this appliance is to be determined when the amplifier is delivering RATED output power.

interM

MADE IN KOREA

OPERATING MANUAL

R E I N F O R C E D


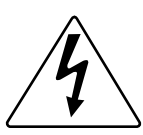

AMPLIFIER

R500

interM

UNPACKING AND INSTALLATION

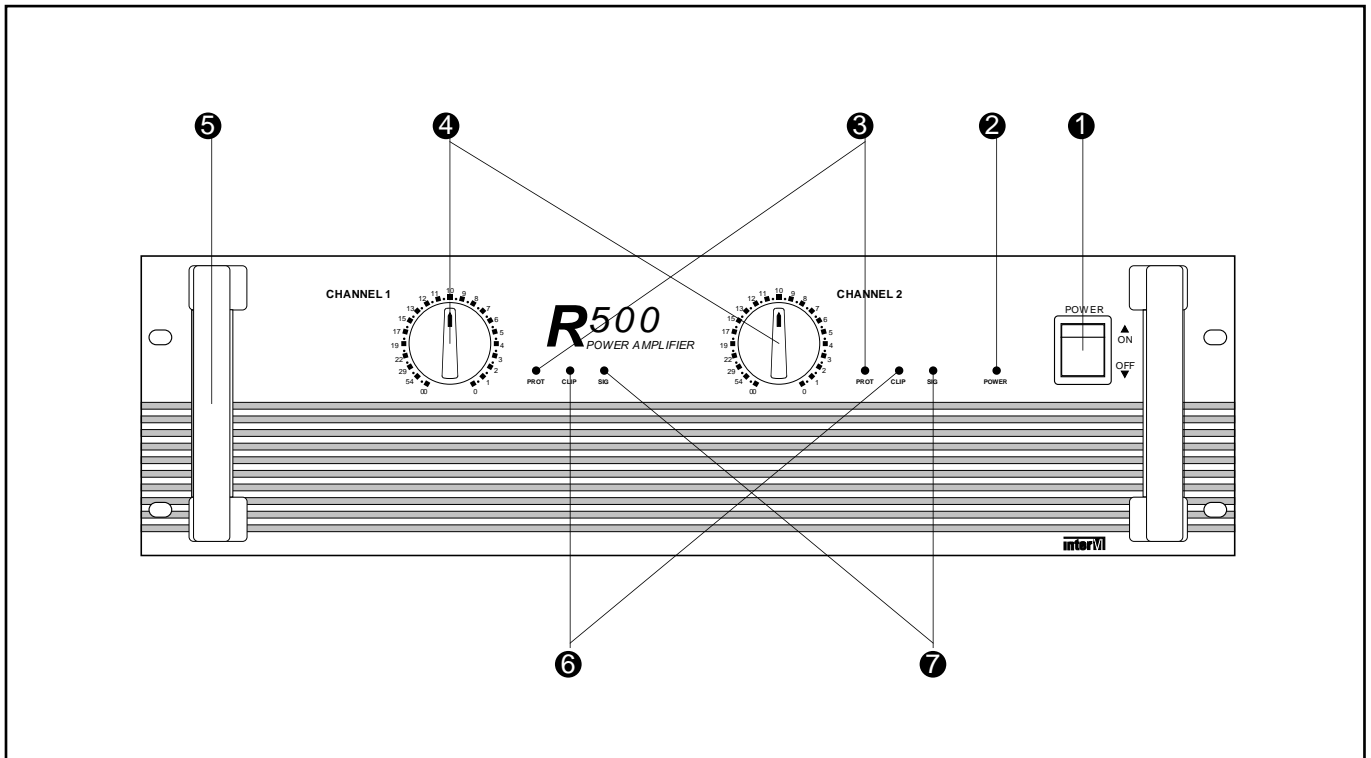
Although it is neither complicated to install nor difficult to operate your power Amplifier, a few minutes of your time is required to read this manual for a properly wired installation and becoming familiar with its many features and how to use them. Please take a great care in unpacking your set and do not discard the carton and other packing necessary to return your set for when moving your set and are required if it ever becomes necessary to return your set for service. Never place the unit near radiators, in front of heating vents, to direct sun light, in excessive humid or dusty location to avoid early damage and for your years of quality use. Connect your complementary components as illustrated in the following page.

	 <p>This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>  <p>This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.</p>
<p>WARNING</p> <p>To prevent fire or shock hazard, do not expose the unit to rain or moisture.</p>	<p>Caution: To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.</p> <p>Attention: Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans en laisser aucune partie à découvert.</p>

FEATURES

- SUBSTANTIAL PROTECTION CIRCUITARY**
To insure stability and reliability against over current and overheating extra protection circuitary is provided. In addition, turn on delay and DC detection circuitary is provided to protect the loud-speaker.
- BRIDGED MONO FUNCTION**
These stereo amplifiers can be used for monoral powerful sound by selecting the mode switch.
- VARIOUS DISPLAY**
To confirm the operating status, LED displays of protection, clip, and signals are provided on front panel.
- CLEAN AND SOFT SOUND**
These Stereo Amplifiers are designed for the use of monitor. Applicate the clean and soft sound with these stereo amplifiers in studio, conference room, music hall and cafe etc.

FRONT PANEL CONTROLS



1. POWER SWITCH

The power switch is used to turn on and off the AC main power.

2. POWER INDICATING LED

Power indicating LED is driven by the low-voltage, and the LED illuminates when the power is "ON".

3. PROTECTION INDICATORS

PROTECTING INDICATING LEDs indicate the condition of the protection circuit. When the protection LEDs are "OFF" the amplifiers is operating normally and when the protection LEDs are "ON" the amplifiers outputs are cut off.

4. LEVEL CONTROLS

Separate level controls are provided for channel one and channel two input, clockwise rotation of the controls increase level.

5. HANDLES

You can handle this amplifier easily by using these handles.

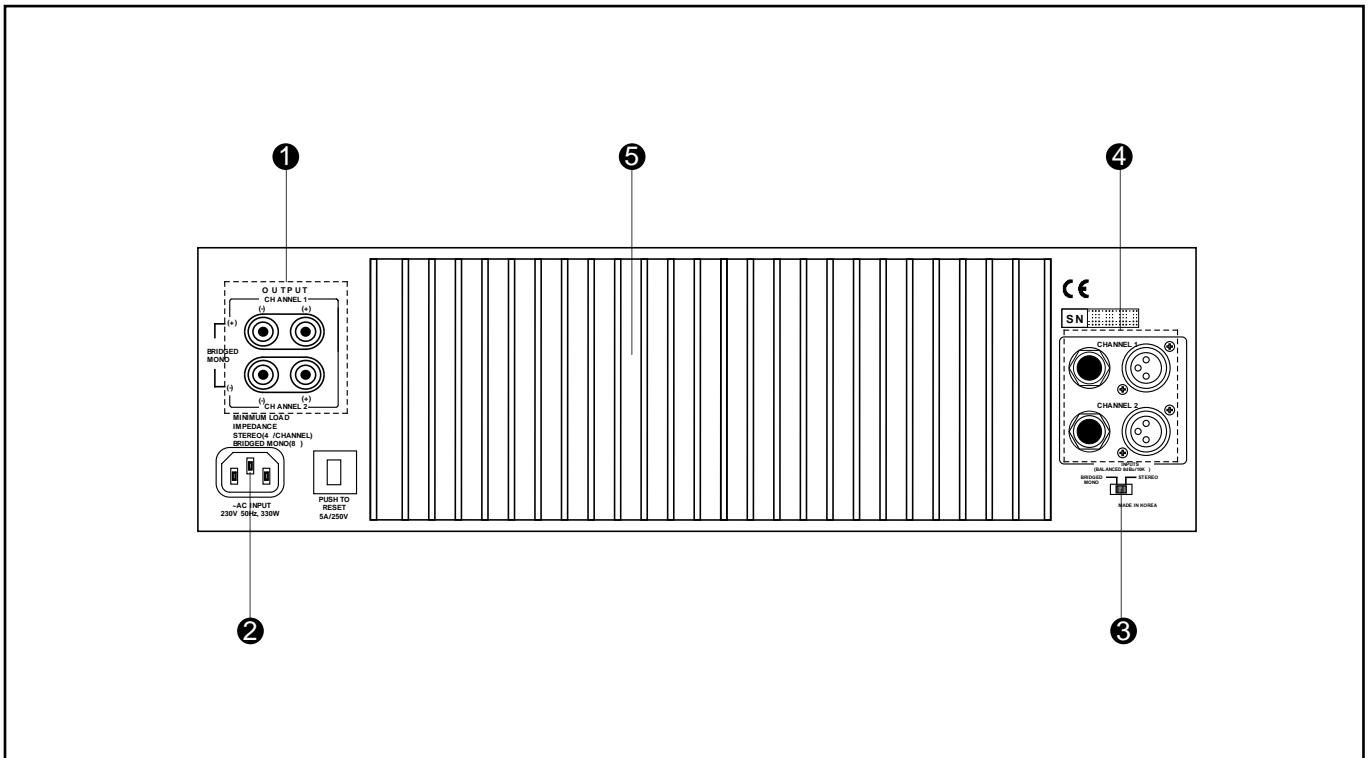
6. CLIP INDICATORS

CLIP indicator on each channel illuminates when distortion reaches or exceeds approximately 1%, indicating that the amplifier is being driven by excessively high inputs or the condition of protection.

7. SIGNAL INDICATORS

Signal indicating LEDs indicate the output level of this amplifiers. These LEDs illuminate when the outputs are $1W/4$.

REAR PANEL CONTROLS



1. OUTPUT TERMINALS

Output terminals are dual five-way binding posts and speaker connectors. Do not parallel the two outputs of each channel by connecting them (together, or parallel them) with any other amplifier output.

*When speakers are connected through speaker, please make sure correct connection of each pin, and refer speaker pin number.

2. AC POWER CORD

Plug this AC input cord into AC outlet.

3. MODE SELECTOK

Bridged mono operation is easily accessed by the slide switch. The input is applied channel one only the corresponding front panel control is used to set the level, please refer bridged mono operation.

4. INPUT CONNECTOK

Input connectors are provided both balanced XLR, and phone jacks.

5. HEAT SINK

Heat sink is emitted heat to the exterior when the amplifier is powered on. When the Amplifier is rack mounted, we recommend that you keep the rear of the rack open in order to release heat. If your rack does not have a removable rear, space should be left open on the front of the rack cabinet.

SPECIFICATIONS

MODEL	R500
Rated Output Power/Max Output Power at 8 Ω, 1KHz (Stereo CH) at 4 Ω, 1KHz (Stereo for CH) at 8 Ω, 1KHz (Bridged Mono)	170W/180W 250W/260W 500W/515W
Frequency Response(±0.5dB)	20Hz to 50KHz
Total Harmonic Distortion	Less than 0.03%
Input Sensitivity	0.775V (0dBm)
Input Impedance	10K (balanced)
Damping Factor	Greater than 100
Power Source	AC 110V~240V 50/60Hz
Power Consumption	330W
Weight	13.6Kg
Dimensions	482(W) x 132(H) x 280(D)mm

* Specifications and design subject to change without notice for improvement.

The current or wattage consumption of this appliance is to be determined when the amplifier is delivering RATED output power.

interM

MADE IN KOREA