



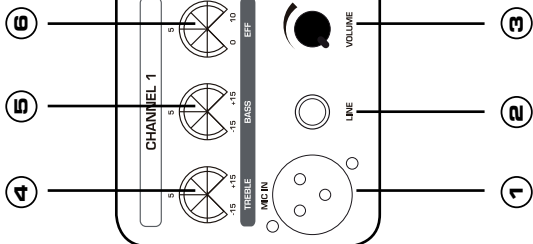
PA4/200
PA4/200 DSP

USER MANUAL

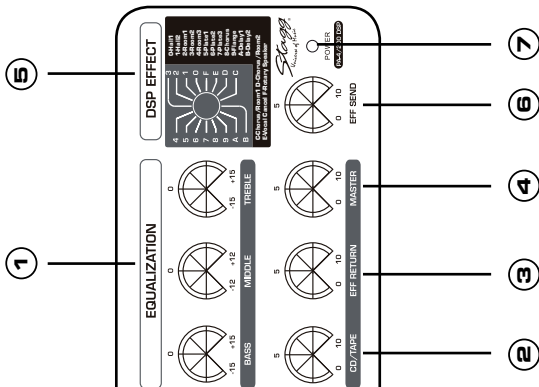
4-CHANNEL PA SYSTEM

Stagg[®]
Universe of Music

Channel Section



Master Section



FRONT PANEL:

This PA System includes a 4-Channel, 2x75 W RMS/ 4 Ohms, Powered Mixer w/ Digital Reverb (PA4/200) or w/ Digital Signal Processor (PA4/200 DSP) and two 2-way, 150W/ 4 Ohms Speaker Cabinets.

INPUT SECTION FEATURES – CHANNEL 1 to 4

1) MIC IN: This low impedance, 3-pin XLR input socket is for connecting balanced, low impedance microphones. Input impedance is 1k Ohm. The connector is wired as: Pin 1 = shield; Pin 2 = positive (hot); Pin 3 = negative (cold).

2) LINE: This high impedance, line level, 1/4" jack input socket may be used either with high impedance microphones or with devices such as Tape/CD/MP3 players, effect returns or radios. You may also connect an electric guitar, bass, or keyboard. This is a 2-conductor input with an impedance of 10k Ohms. Both high & low impedance inputs may be used simultaneously.

3) VOLUME: This is the independent volume control for each channel. The signal is sent to the master section. Typical setting is between 4 and 8, depending on the channel's function. Please note that this volume control acts as a preamp, so if the channel is being used for a device that has a volume output control (e.g.: CD or Tape player), some level matching by adjusting the level controls on each unit will be required.

4) TREBLE: This is the independent treble control to adjust the level of high frequencies in the output signal on both inputs of each channel.

5) BASS: This is the independent bass control to adjust the level of low frequencies in the output signal on both inputs of each channel.

6) EFF: This control is used to set the level of the internal effect (Digital Reverb on PA4/200 and Digital Sound Processor on PA4/200 DSP) blended in to the input signals of each channel.

MASTER SECTION FEATURES

1) EQUALIZATION:

- **BASS:** This controls the overall amount of low frequencies (@ 50 Hz), allowing +/- 15 dB of boost or cut.
- **MIDDLE:** This controls the overall amount of middle frequencies (@ 2 kHz), allowing +/- 12 dB of boost or cut.
- **TREBLE:** This controls the overall amount of high frequencies (@ 10 kHz), allowing +/- 15 dB of boost or cut.

2) CD/ TAPE: This controls the overall level of any CD or Tape player connected to the apparatus via the CD/Tape inputs on the rear panel.

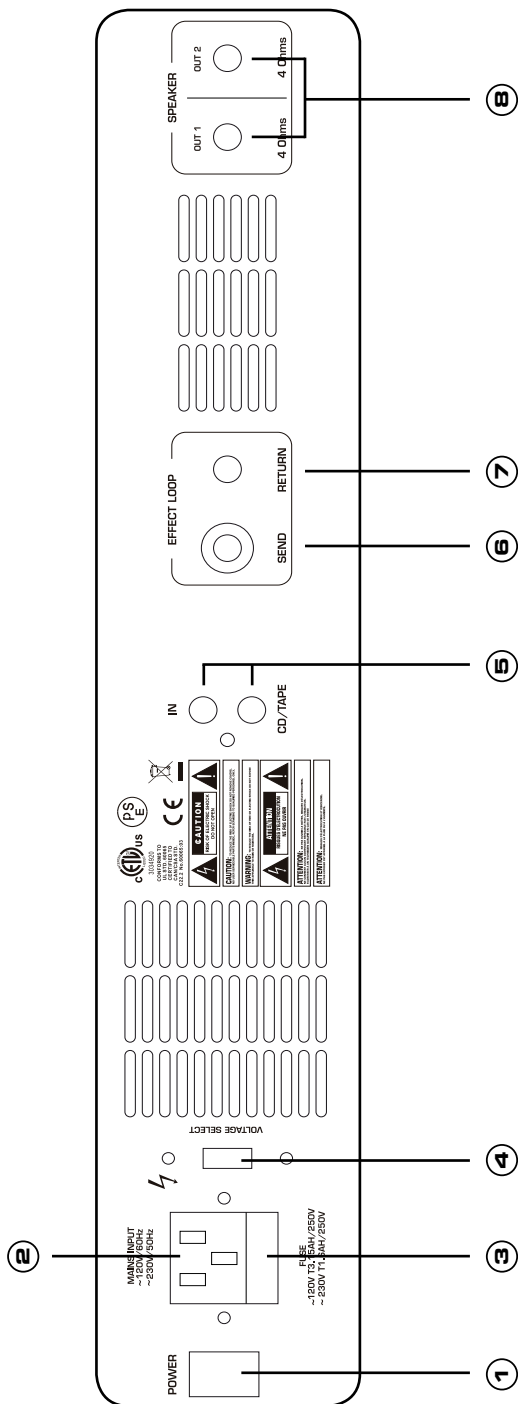
3) EFF RETURN: This controls the signal output level of the internal effect (Digital Reverb on PA4/200 and Digital Sound Processor on PA4/200 DSP) mixed to the direct signal coming from the master EQ output.

4) MASTER: This is the master volume which controls the overall volume level of the unit.

5) DSP EFFECT (PA4/200 DSP only): This selector enables the user to choose among 16 internal DSP effects, including 8 Reverb effects, 3 x Chorus, 1 x Flanger, 2 x Delay, 1 x Vocal Mute & 1 x «Rotating speaker» effect.

6) EFF SEND (PA4/200 DSP only): This controls the amount of the output signal from the internal DSP effect.

7) POWER LED (PA4/200 DSP only): When this red LED is lit, the powered mixer is ready to work. When it is unlit, it means the apparatus is powered off.



BACK PANEL:

WARNING: This device must be earthed. Please check that the supply voltage details given on the rating label (located on the rear panel) are in accordance with your electricity supply.

1) POWER: This switch turns the powered mixer on or off. The switch is illuminated when the device is powered on. On PA4/200 models, this switch is located on the FRONT PANEL.

2) MAINS: This is the input socket into which the mains power cable must be connected. This powered mixer is supplied with a power cable with a moulded-on plug. If the socket outlets in the home are not suitable for the plug supplied with this device, use an appropriate plug adapter that can handle the power required for this powered mixer.

3) FUSE: In the event of the power fuse having to be replaced, first unplug the power cable from the mains outlet. Then remove the fuse cover and replace the power fuse with one of the same type and value. Never plug the power cable back into the mains outlet without the fuse cover. If, when powering on the device, the power fuse blows up again, go to a suitable service centre for repair.

4) VOLTAGE SELECT: This switch selects the chosen voltage level between 120VAC and 230VAC as appropriate. This switch may be accessed by unscrewing the safety cover. Always make sure that the selected voltage level is in accordance with your electricity supply.

5) CD/TAPE IN: These are two line level Phono/Cinch inputs into which a CD/Tape/MP3 player may be connected. Please note that both L and R inputs must be used in order for the sound to be reproduced in full.

6) EFFECT SEND: This PA system is equipped with an effects loop which allows you to plug outboard effects or EQ systems between the preamp and the power amp. The SEND jack is a line level 1/4" (Ø 6,3 mm) output jack into which you may connect one or several outboard effects, eg Flanger, Compressor, Pitch-shift, Chorus etc. The SEND jack should be connected to the input jack of the first effect in your effects chain.

7) EFFECT RETURN: This is a line level input jack to which you should connect the output jack of the last effect in your effects chain. The effects loop may also be used with a multi-effects rack system, or with a single effect.

8) SPEAKER OUT 1 & 2: These are 4 Ohm 1/4" output jacks into which you may connect the two speaker cabinets included in the set, or any two speaker cabinets w/ a minimum impedance of 4 Ohms and a minimum power handling of 120 W RMS PER SPEAKER.

TECHNICAL SPECIFICATIONS :

PA4/200 or PA4/200 DSP POWERED MIXER		
Max. Output Power	2 x 75 W RMS / 4 Ohms	
Bande passante	20 Hz à 20 kHz \pm 1 dB	
Input Impedance	MIC	1k Ohms
	LINE	47k Ohms
	CD/ TAPE	4.7k Ohms
Sensitivity (@ max Rated Power)	MIC	- 49.5 dB
	LINE	- 16.5 dB
	CD/ TAPE	- 1.5 dB
Input Channel EQ	BASS	+/- 15 dB @ 50 Hz
	TREBLE	+/- 15 dB @ 10 kHz
Master EQ	BASS	+/- 15 dB @ 50 Hz
	MID	+/- 12 dB @ 2 kHz
	TREBLE	+/- 15 dB @ 10 kHz
Power Requirement	115V/60Hz or 230V/50 Hz	
Dimensions (H x W x D)	120 x 480 x 260 mm / 4.7 x 18.9 x 10.2 in	
Weight	8.66 Kg / 19.09 lbs	

SPEAKER CABINETS	
1x 10" / 150 W RMS / 4 Ohms Speaker 1x Piezo Horn Tweete	
Total Power Capacity	150 W / 4 Ohms
Sensitivity (1W @ 1m)	91 dB SPL
Frequency Response	50 Hz to 20 kHz
Cross-over Frequency	4 kHz
Dimensions (H x L x P)	505 x 370 x 310 mm / 19.9 x 14.6 x 12.2 in
Weight	12.58 Kg / 27.73 lbs

Features and Specifications are subject to change without notice.

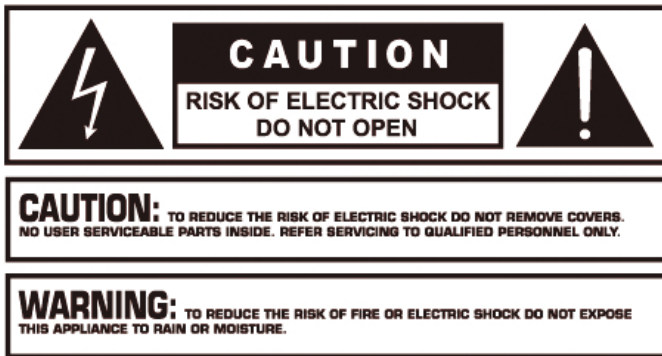
INSTRUCTIONS FOR USE:

First check the available mains voltage (120VAC or 230 VAC). If necessary, change power voltage on your device with the Voltage Selector (see n°4, page 5). Plug the mains lead into a suitable power socket (see n°2, page 5). Connect your speaker cabinets a to the output speaker sockets at the rear panel (see n°8, page 5) with the 10-meter speaker cables supplied. Make sure that the master volume is set to zero before powering on the amplifier to avoid possible damage to the speakers. Finally, set the MASTER volume to zero and push the Power Switch to the ON position. The power switch will light up and your PA system is ready for use. Should you experience any feedback coming from the speakers, first diminish the volume of each channel in use in order to find & suppress the microphone causing the feedback. Then reposition this microphone, preferably somewhere behind the speakers, and reset the channel volume accordingly.

IMPORTANT SAFETY INSTRUCTIONS:

READ AND KEEP THESE INSTRUCTIONS. HEED ALL WARNING.

- If, after you have followed the instructions outlined above, the powered mixer fails to function, please contact your vendor. Under no circumstances should the unit be opened. Leave servicing to qualified personnel only.
 - Electrical appliances must never be used in conditions of high humidity or heat.
- To prevent any risk of electric shock or fire, never spill or splash liquids on the unit.
Should this happen, unplug the power cable from the mains outlet immediately.
- Your attention is drawn to the instructions printed on the notice attached to the back of the unit.



- Exposure to extremely high noise levels may cause permanent damage to hearing. Use this apparatus responsibly for you and your neighbourhood.

MARKING & CONFORMITY:

1. The CE mark on this product means it conforms to the EMC Directive (89/69/EEC), CE marking Directive (93/68/EEC) and Low Voltage Directive (72/23/EEC).
2. The «Crossed-out Wheeled Bin» is to draw your attention on the WEEE (Waste Electric & Electronic Equipment) Directive (2002/96/EC). It means this apparatus must be collected separately for recycling.
3. «RoHS compliant» means this device conforms to the Directive (2002/95EC) on the restriction of the use of certain hazardous substances in electrical and electronic equipments, such as: Mercury, Lead, Cadmium, Hexavalent Chromium, Polybrominated Biphenyl (PBB) and Polybrominated Diphenyl Esters (PBDE).



DISTRIBUTOR / DEALER

A large, empty rectangular box with rounded corners and a black border, intended for a distributor or dealer signature.