



USER MANUAL

DRUM AMPLIFIER

DS200

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ECNJG1708082

DS200

drum amplifier

SPECIFICATIONS

Model	DS200	Electronic Drum Amp
Output Power (RMS 1%)	50 Watts @ 8 Ohms (x2)	tweeter internal speakers (stereo)
	50 Watts @ 4 Ohms (x2)	midrange internal speakers (stereo)
	100 Watts @ 8 Ohms (x1)	subwoofer internal speaker (mono)
	500 mWatts @ 32 Ohms (x2)	output to headphones (stereo)
Frequency Response	20 Hz - 20 kHz	tailored for accurate acoustic response for electronic drums
Hum and Noise	-60 dBV	all controls turned down
	-55 dBV	all controls turned halfway
Input Impedance	10K Ohms	all inputs
Input Levels	-16 dBV	drum inputs to achieve full output
	- 20 dBV	aux to achieve full output
	-10 dBV	line in to achieve full output
	max external speaker output: 50 Watts (x2)	extension speaker jacks are wired in series with internal midrange speakers.
External Outputs	(All measurements made at 1 kHz, EQ controls flat and volumes Max.)	
	XLR balanced line outputs	adjustable from off (CCW) to 0 dBV (CW). Wiring follows IEC268 standard (pin1 shield, 2 +, and 3-).
Tone controls (EQ Centers)	50 Hz, 800 Hz, 10 kHz	3 band, +/-12 dB
AC Power Requirements	300 Watts	At full output
	17 Watts	At idle
Speakers	12" (305 Mm) woofer	special design, 8Ohms rated 150 Watts RMS
	2 x 6.5" (165 mm) midrange	special design, 4 Ohms rated 65 Watts RMS
	2 x 2.5" (64 mm) Tweeter	special design, 8 Ohms bullet horn rated
		50 Watts RMS
Dimensions (Metric)	465 mm deep, 460 mm wide, 465 mm high (including feet)	
Weight	26 Kg	

IMPORTANT SAFETY SYMBOLS



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

ON: Denotes the apparatus is turned on.

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.



Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.

· Heed all warning.

· Water & Moisture
- Keep these instructions.

· Follow all instructions.

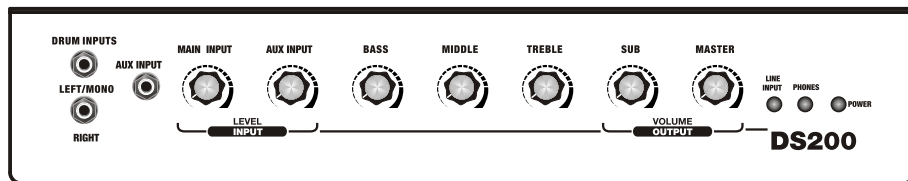
The apparatus should be protected from moisture and rain, can not used near water, for example: near bathtub, kitchen sink or a swimming pool, etc.

- Heat

The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

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FRONT PANEL



DRUM INPUTS: These are 1/4" input jacks (left and right). When using a mono signal, plug into the left/mono jack.

MAIN INPUT LEVEL: This controls the volume level of the drum inputs to the power amplifier.

AUX INPUT: This 1/4" stereo jack is used for connecting any pre-EQ source such as a click track, additional digital instruments, devices, drum pad MPC machines, etc.

AUX INPUT LEVEL: This controls the volume level of the aux input.

EQUALIZATION SECTION: These control the overall tone of the DS200 drum amplifier.

BASS: This controls frequencies centered at 50Hz with a +/-12 dB sweep.

MIDDLE: This controls frequencies centered at 800Hz with a +/-12 dB sweep.

TREBLE: This controls frequencies centered at 10 kHz with a +/-12 dB sweep.

SUB: This controls the volume of the low frequency sub-woofer.

MASTER: This controls the overall volume of the amplifier

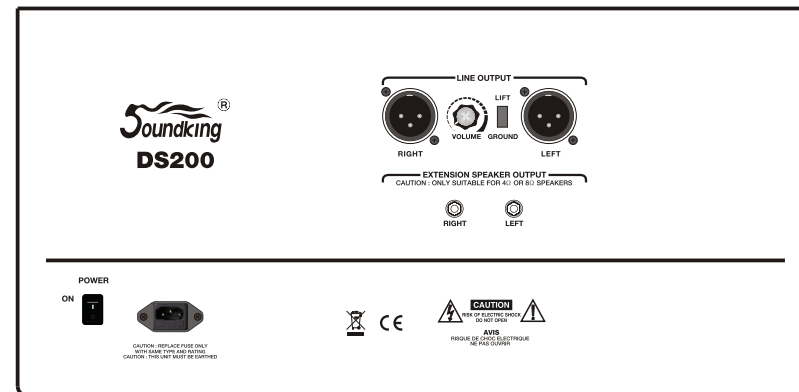
LINE IN: This is a 1/8" stereo line input. It bypasses the EQ tone controls, perfect for CD or Mp3 players. Use the volume and tone controls on your external device to control the audio signal. It can be controlled by the MASTER Volume of the amplifier.

HEADPHONE JACK: This is a 1/8" stereo output jack. It combines all inputs from your drums, aux input, and Line In. Use it to monitor your drums during live performances. It will turn off internal speakers, but will not affect signal outputs. It should to be connected with a pair of 32 Ohm headphones.

POWER : "on" indicator

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REAR PANEL



LEFT AND RIGHT LINE OUTS: These balanced XLR line outs provide quiet, noise-free signal flow through a standard mic cable or snake to a recording or live console.

VOLUME CONTROL FOR LINE OUTS: This control is completely independent from the master volume on the front panel, allowing you to set your feed level to a mixing console. Use the master volume on the front panel to adjust your stage level.

GROUND LIFT: Use this switch to eliminate hum or buzz that may exist if there is a ground loop created between stage gear and the PA system.

EXTENSION SPEAKERS JACKS: The DS200 delivers the full 200 watts of power to the internal speakers. In addition, you may use these jacks with un-powered speakers to widen your stereo field for the midrange and high frequencies.