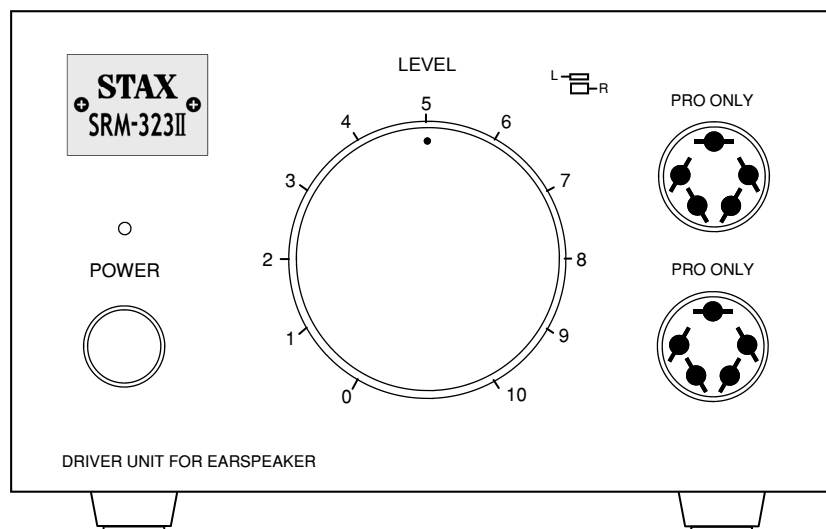


# SRM-323 II

## DRIVER UNIT for EARSPEAKERS

### Operating Manual

Thank you very much purchasing STAX's SRM-323 II model. To enable you to use the unit in complete safety for many years, please read these instructions carefully. After reading them, be sure to keep them in a safe place together with the product guarantee.



### CAUTION



This product operates with a high voltage. It is extremely dangerous to attempt to dismantle or modify the unit in any way, and under no circumstances should any such attempt be made.

# STAX®

# To Ensure Safe Use of Your Product

•Illustrations for viewing prior to use.

This manual makes use of various illustrations which have included to enable you to use your product with complete safety. The situations likely to arise if these illustrations are ignored and the unit is used in the wrong way may be classified as follows. Please read the text and make sure you understand it fully.

 <b>Warning</b>	We have shown situations in which ignoring these illustrations and using the unit in the wrong way may result in death or serious injury.
 <b>Caution</b>	We have shown situations in which ignoring these illustrations and using the unit in the wrong way may result in personal injury and situations in which material damage may arise.



This sign informs you of situations that require precautions (including warnings). The example on the left indicates precautions against electric shock.






This sign informs you of a prohibited action. The example on the left indicates prohibition on dismantling.





This sign informs you of an action which must invariably be performed. The example on the left indicates removal of the plug from the power socket.

## Warning

	<ul style="list-style-type: none"> <li>•Do not take out the power plug or the earpiece speaker plug with wet hands. Doing so may result in electric shock.</li> <li>•Use only the specified power source.</li> <li>•Do not modify, forcibly bend, twist or pull the power cord.</li> <li>•Do not block the radiator vent on the top of the unit.</li> <li>•Do not insert metallic objects, liquids or any other objects into the SRM-323II driver unit.</li> <li>•Do not touch the ear speaker's output terminals.</li> </ul>
	<ul style="list-style-type: none"> <li>•If the unit begins to emit smoke or an odd smell, stop using it immediately and turn off the power. Continued use in such a condition may result in fire and electric shock. It is dangerous to attempt to repair the unit yourself. If the unit needs repairing, always consult your dealer or the Stax service department.</li> </ul>
	<ul style="list-style-type: none"> <li>•Do not remove the back lid or the cover. Repairs and inspections inside the unit should be entrusted to the store where you purchased the product or to an authorized distributor.</li> <li>•Do not dismantle or modify the unit.</li> </ul>

## Caution

	<p>Do not put the product in any of the following places. Doing so may result in personal injury or may damage the unit.</p> <ul style="list-style-type: none"> <li>•A place subject to vibration or shock or on a slope.</li> <li>•A place directly exposed to sunlight.</li> <li>•A place with large amounts of water, moisture or dust.</li> <li>•A place with extreme variations in temperature or close to a source of heat emission (e.g. stove, heater, etc.).</li> <li>•Do not place heavy items on top of the unit. Doing so may unbalance the unit, causing it to tip over or fall down and thus cause personal injury.</li> </ul>
	<ul style="list-style-type: none"> <li>•Do not drop the unit or submit it to shock of any kind.</li> <li>•Do not raise the volume too high. Listening for a long time at a high volume may result in damage to your ears. For the sake of your ears and for the sake of the product itself, we would recommend listening at a moderate volume.</li> </ul>

## Features

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SRM-323II is the exclusive power amplifier that was designed to drive an electrostatic type earspeaker of STAX.

- SRM-323II uses the output stage of an emitter follower to realize low impedance and increase the dynamic range in the high frequency.
- At the input-stage, a simple two-stage configuration using low-noise FET makes it possible to achieve a natural sound quality with a lot of information.
- SRM-323II is made of a DC amplifier configuration not employing a coupling capacitor.
- Use the electronic part which considered sound quality / performance.
- SRM-323II makes it possible to use earspeakers with PRO bias specification and electret-type earspeakers.
- Parallel connecting terminals convenient for connecting with other devices are provided.

## Method of Connection

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The SRM-323II is high sensitivity with built-in volume in a input. Therefore, connecting directly even to the output terminal of audio equipment and, AV equipment/personal computer etc. it is able to use. See Page 5, "Examples of Connection", for further details.

- Make sure that the power switch is turned off before connecting.
- Connect the output terminals of the source to SRM-323II with attached pin cord.
- Place the convex part of the earspeaker plug upwards and insert into the earspeaker socket.
- Turn the volume knob right and adjust to the appropriate volume. You can adjust balance of Right & Left when you turn a knob of L and R separately.

## Advice on Connections

- 1)When taking a signal from the preamplifier or pre-main amplifier, by connecting to the REC OUT terminal for the tape deck, it is possible to switch between several sources with deterioration in sound quality kept to the minimum.
- 2)If it is not possible to obtain sufficient playback volume using the REC OUT terminal, connect to the PRE OUT terminal. When connecting to the PRE OUT terminal, the best results can be obtained by turning up the volume on the main unit to the maximum and adjust the volume on the pre-amplifier or the pre-main amplifier.
- 3)If there is one set of PRE OUT terminals, attach the power amplifier to the output terminal connected in parallel. The volume on the power amplifier cannot be adjusted using the volume control on SRM-323A.
- 4)If the above connections are not possible, can be heard from a headphone jack by connecting a commercially available headphone jack to the conversion cable of an RCA plug.

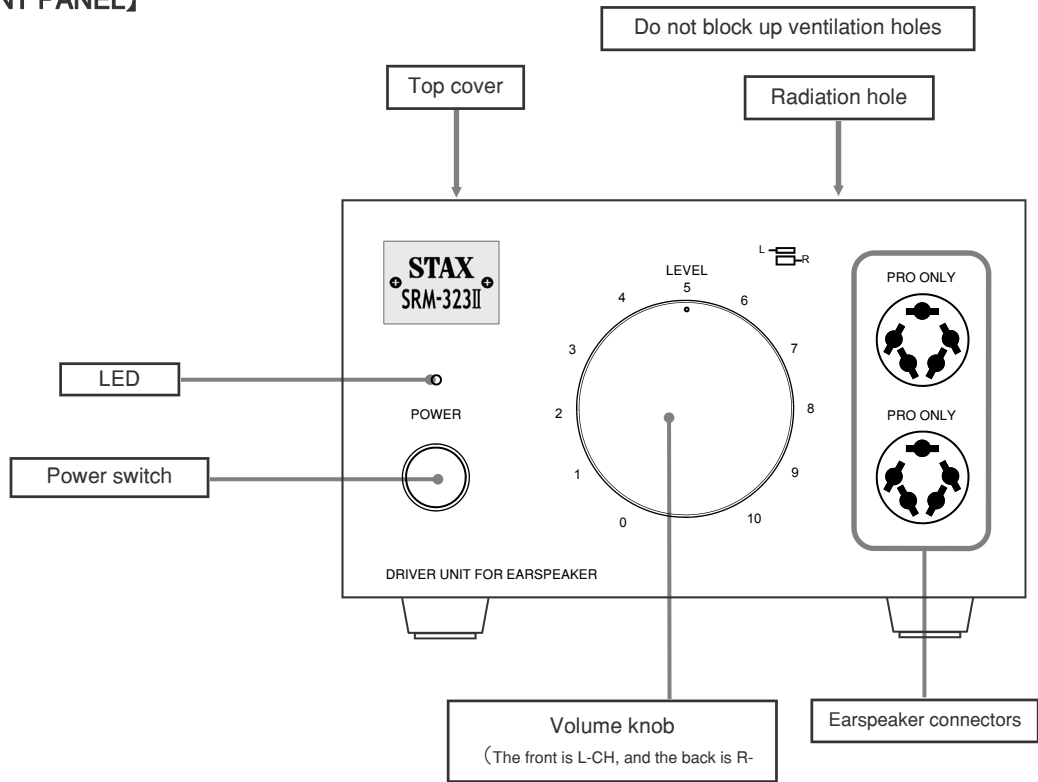
## Precautions for use

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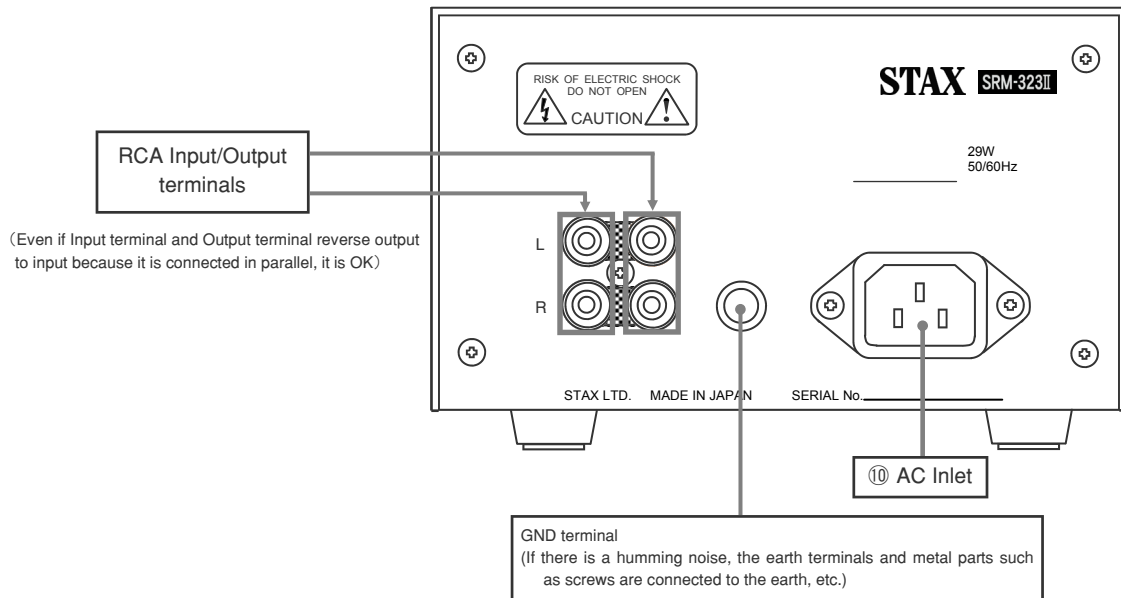
- SRM-323II operates at a high voltage. It is dangerous to remove the top cover and the base plate or to use in a place where the unit may get wet or where there is a large amount of dust.
- Since the unit emits heat, nothing should be placed on the top cover. Use in a well ventilated location.
- Since there is very little distortion on earspeakers, it is tempting to turn up the volume to too high a level. Care is needed since listening for a long time at a high volume may well damage your ears.
- Hum noise occur if the unit is placed close to a power amplifier, etc.

# Panel Nomenclature

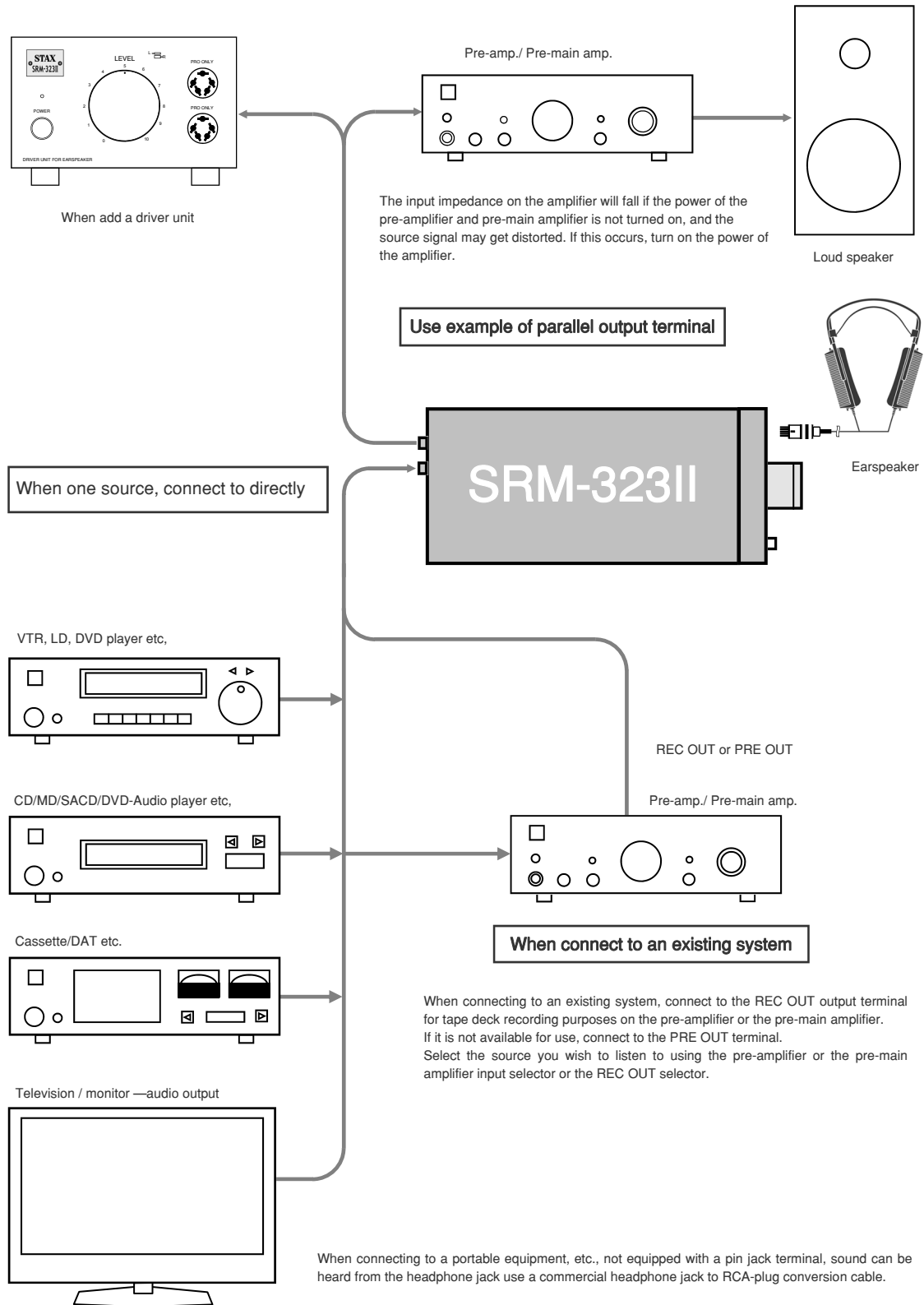
## 【FRONT PANEL】



## 【REAR PANEL】



# Example of connection



# Troubleshooting Notes

## No sound:

- Is the AC cord properly inserted into the power socket?
- Is the power switch on?
- Is the LED on the front of the panel on?
- Is there anything wrong with the connecting cable?
- Has the connected source been selected in the case of the pre-amplifier and the pre-main amplifier selector switch?

## Sound Distortion:

- Has the AC power voltage fallen to an abnormal level?
- Distortion will arise if the volume is turned up too high.

## Imbalance between left and right:

- Is the input signal normal?
- Is the cable connection faulty?
- If there is imbalance between left and right, coordinate by adjusting the dual-axis knob.
- When the volume is at the minimum level, there may be differences on either side in terms of the position at which the sound actually emerges. There is no cause for this concern since this is not a fault.

## Humming noise:

- Are the input terminals properly connected? A humming noise may occur if the earth side of the cable is loose.
- If a humming noise can be heard, trying connecting the earth of the main unit and the earths, etc., of the other devices.
- Is there a faulty connection?
- Is the power voltage at the prescribed voltage.
- Humming may be caused because of interference between two or more devices. Is there a device using a large transformer, an electric cooker, etc., in the vicinity? Create more distance between the devices.

If any other symptoms that might be attributable to a defect occur, please consult the dealer or distributor from whom you purchased the device.

# Specifications

- Frequency properties: DC-60 KHz / SR-303, when using 1 unit
- Rated input level: 200 mV / 100 V Outputs
- Maximum input level: 30 V r.m.s. / at Minimum volume
- Amplification: 54 dB (x 500)
- Total harmonic distortion: Less than 0.01% (1 KHz/ 100 V r.m.s. output )
- Input impedance: 50 K $\Omega$  (RCA)
- Maximum output voltage: 400 V r.m.s. / 1 KHz
- Standard bias voltage: DC 580 V
- Power voltage: 120-240V  $\pm$ 5%, 50 to 60 Hz (adjusted for your area)
- Power consumption: 29 W
- Temperature range for use: 0 to 35 $^{\circ}$ C (no condensation)
- External dimensions: 150 (w) x 100 (h) x 360 (d) mm (including VR knob and pin jack (20 + 10))
- Weight: 2.9 Kg
- Remarks: With through-out terminals (RCA).

The specifications and external appearance of the unit may be changed without notice in order to make improvements.



**STAX**<sup>®</sup> STAX LTD.

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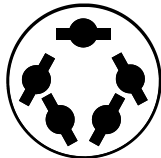
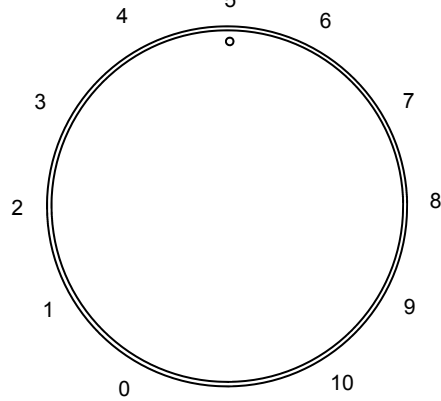
Printed in Japan 2006-11 M P ©STAX

# STAX DRIVER UNIT FOR SRM-313

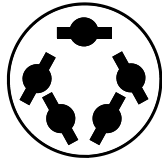
POWER



LEVEL



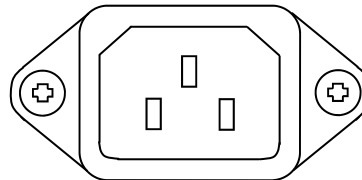
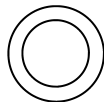
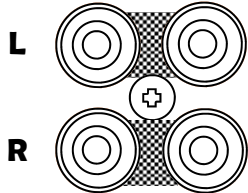
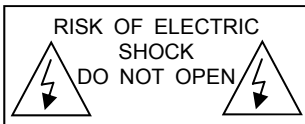
PRO ONLY



PRO ONLY

SRM-313

## STAX SRM-313



50/60Hz  
29W

STAX LTD. MADE IN JAPAN

SERIAL No. \_\_\_\_\_