

# SD-VTA40X2

## Vacuum Tube Amplifier

### User's Manual

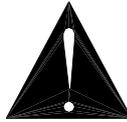
Before operating the system, please read this manual thoroughly and retain it for future reference



# Safety Instructions



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the unit.

## CAUTION

RISK OF ELECTRIC SHOCK.  
DO NOT OPEN

To prevent the risk of electric shock, do not remove cover (or back). Refer servicing to a qualified service personnel.

- To ensure the optimum performance, please read the manual carefully. Keep it in a safe place for future reference.
- Install your unit in a cool, dry, clean place away from windows, heat sources, as well as too much vibration, dust, moisture or cold. To prevent fire or electric shock, do not expose to rain or water.
- Do not operate the unit upside down, it may overheat possibly causing damage.
- Never open the cabinet. If a foreign object drops into the set, contact your dealer.
- Do not use force on switches, knobs, or cords. When moving the set, first turn off the unit, then gently disconnect the power plug and the cords connecting to other equipment. Never pull the cord itself.
- To prevent damage, pull out the cable cord and remove the antenna cord during lightning storms.
- Disconnect the AC power plug from the wall outlet when the unit will not be used for an extended period of time.
- Be sure to read the troubleshooting section on common operating errors before concluding that your unit is faulty.

## IMPORTANT

Please read safety instructions prior to setting up and operating the unit.

### Safety Instructions

1. Do not remove the vacuum tube cover.
2. Do not touch with hands as oils from skin will damage the vacuum tubes.
3. Do not touch the vacuum tube as it may be extremely hot.
4. The unit should be kept away from moisture and should not be used around or near water.
5. The unit should be well situated so that its location or position does not interfere with its proper ventilation. Items such as bookcases or cabinets may impede the flow of air through the ventilation openings.
6. The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat. Do not place the unit near open flame, such as fireplaces or candles.
7. The unit should be connected to a power supply as described in the User's manual or as marked on the unit.
8. Power cords should be routed so that they are not likely to be stepped on or pinched by items placed upon or against them.
9. The power cord of the unit should be unplugged from the outlet during lightning, storms or when the unit is left unused for long periods of time.
10. There is a possibility that dew will form on the surface of the vacuum tube when the unit is moved from a cool to a warm place. In these circumstances please wait at least one hour to operate the unit to avoid leakage or a blowout of the vacuum tube.
11. The unit should be serviced by qualified service personnel when:
  - a. The power supply cord or plug has been damaged;  
or
  - b. Objects have fallen, or liquid has spilled into the unit;  
or
  - c. The unit has been exposed to water or moisture;  
or
  - d. The unit does not appear to operate normally  
or exhibits a marked change in performance;  
or
  - e. The unit has been dropped.

**The user should not attempt to service the unit beyond those means described in the User's manual.**

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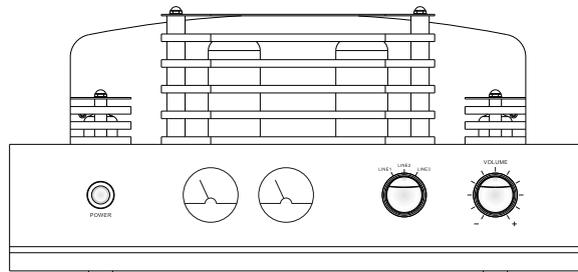
# Specifications

## Main Unit

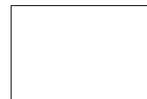
Output Power RMS (10%THD )	40W Per Channel
Frequency Response	10Hz~100KHz $\pm$ 1.5dB
Harmonic Distortion	$\leq$ 0.2%
Signal-to-Noise Ratio	$\geq$ 84dB
Input Impedance	100K $\Omega$
Output Impedance	4 $\Omega$ , 8 $\Omega$
Power Supply	AC100V~120V 50/60Hz AC220V~240V 50/60Hz
Dimensions: (W x H x D )	380 x 178 x 317mm
Tube Type	6L6G x 4 ; 12AU7 x 4

# Package Contents

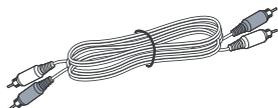
**Main Unit**



**Power cord**



**User's Manual**

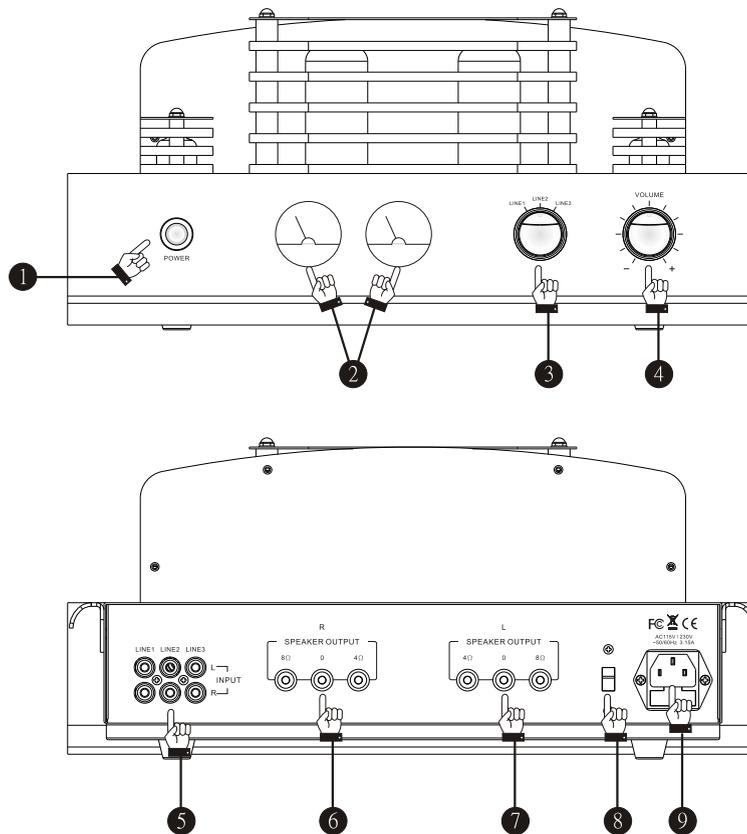


**Stereo Audio Cable**



**3.5mm-Plug  
Stereo Audio Cable**

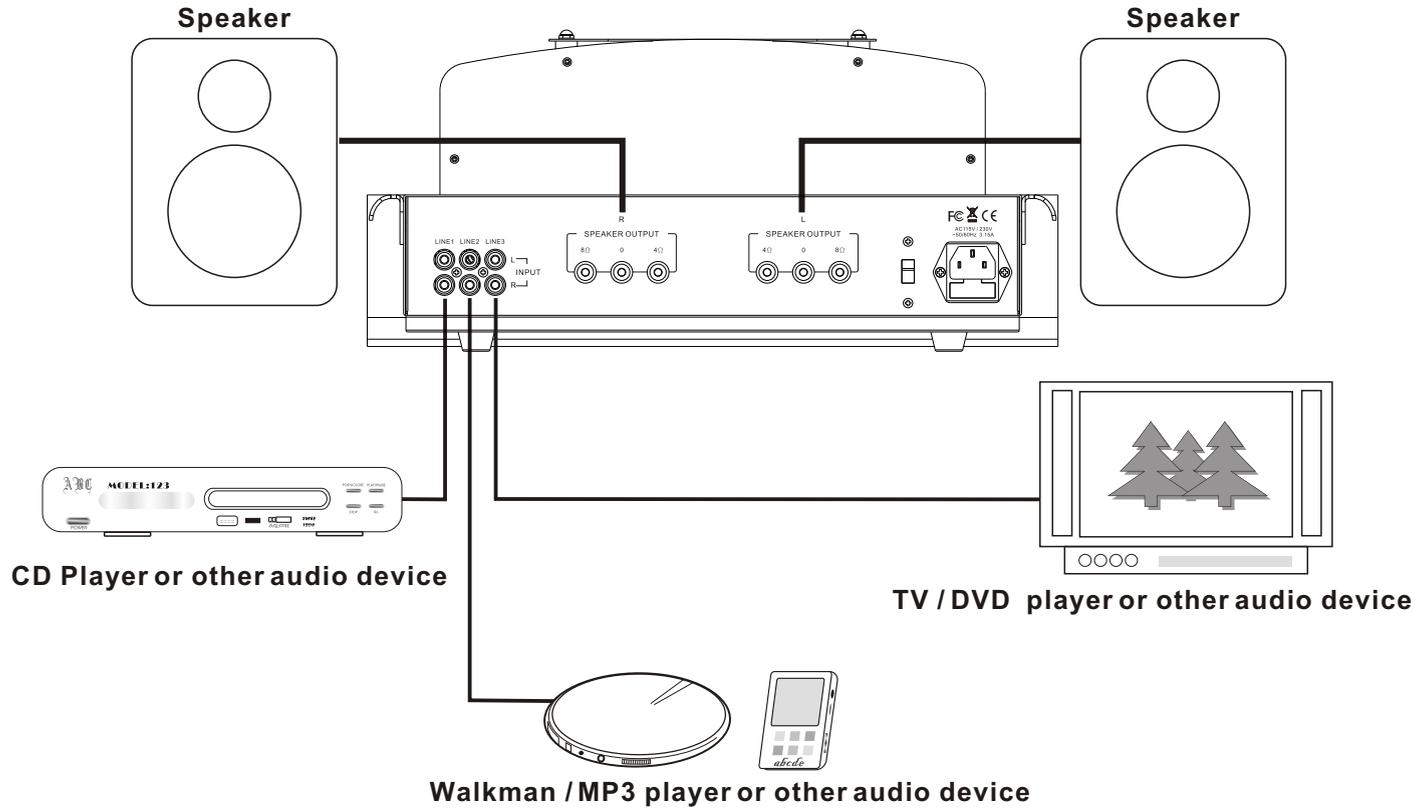
# Front / Back / Top view of Main Unit



## Control Function of Main Unit

- |                               |  |
|-------------------------------|--|
| ① Main POWER button           | Press the POWER button to the "ON" or "OFF" position.  |
| ② VU Meter                    | Volume display.  |
| ③ Input select                | Select input sound source ( LINE1 , LINE2 or LINE3 ).  |
| ④ Volume control button       | " + " button to increase the volume.<br>" - " button to decrease the volume.   |
| ⑤ Line input jack             | Connect audio cable to DVD ,CD / Walkman / MP3 player,TV or other audio device.  |
| ⑥ Speaker out jack (R)        | Connect speaker cable to speaker (Right).  |
| ⑦ Speaker out jack (L)        | Connect speaker cable to speaker (Left).   |
| ⑧ Voltage selector (115/230V) | Before inserting the plug into the AC outlet, make sure to set the voltage selector (115V or 230V) to the voltage that is appropriate for your area. |
| ⑨ AC input jack               | Connect AC power cord to the unit AC input jack.   |

# Connections



# Troubleshooting

Symptom	Possible problem	Solution
No power. Power blue LED is not on.	Power cord is not plugged in or is not completely inserted.	Firmly plug in the power the power cord.
	Wall adapter is not plugged into the unit correctly.	Check connection of wall adapter.
	Wall adapter is not receiving AC power.	Place wall adapter in a known powered outlet. Test outlet with a lamp or other device.
No sound from speaker system.	Remote control power button is not depressed.	Press power button located at the remote control Blue LED will illuminate.
	No power to system.	Ensure power supply is connected to live power source and properly connected to speaker.
	No volume or low volume.	Turn the volume "+" knob on the volume control to increase the system volume level.
	Input source is low.	Increase the volume level on the audio source device.
	Input select is not correct.	Ensure input select is in LINE1 , LINE2 or LINE3 input connect.
Crackling sound from speakers.	Line input select is not correct.	Ensure Line input select is in LINE1 , LINE2 or LINE3.
	Bad connection.	Check connection of the stereo cable. Make sure it is connected to "line-out" "audio-out" or the headphone jack on your audio source and NOT "speaker-out".
Sound is distorted.	A problem with your audio source.	Unplug the stereo cable from the audio source. Then plug it into the headphone jack or an alternate source. (e.g., CD player, Mp3 player)
	Volume level on speaker system is set too high.	Please to decrease the volume.
Radio interference.	Sound source is distorted.	WAV and MID files are often of poor quality ; therefore distortion and noise are easily noticed with high-powered speakers. Try a different audio source such as a music CD.
	Too close to a radio tower.	Move your speakers to see if interference goes away.