

Orisun

OA-S11 Owner's Manual HiFi Multichannel Amplifier

Orisun

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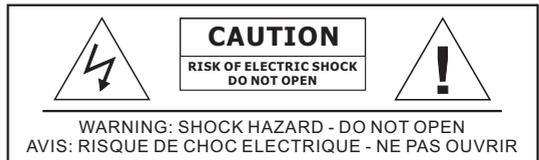
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Important Safety Instructions:



To reduce the risk of electric shock ,do not remove cover. No user serviceable parts inside. Refer servicing to qualified personnel. To reduce the risk of fire and shock do not expose unit to rain or moisture. The unit should be connected to an earth grounded AC electrical socket. The unit should be operated in a well ventilated area. Minimum clearance is 2 inches from the ventilation openings.

Safety

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that produce heat.
9. Do not defeat the safety purpose of any polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two prongs and a third grounding point. The wide blade or the third prong are provided for your safety. if the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. 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.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
16. To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle.
17. The mains plug of the power supply cord shall remain readily operable.

Introduction:

Thank for your purchase of the ORISUN OA-S11, which is a flexible, high performance amplifier. It has been designed for maximum performance, easy of use, and installation flexibility. By employing cutting edge technology, the OA-S11 easily power to your speakers at high power levels, at the same time remaining as efficient as possible, regardless of volume levels. This allows you to fully enjoy audio and video sources without concern for dynamic headroom during complex musical passages and high level effects. what's more, the OA-S11 does it all with exceptionally refined cosmetics and a sound quality that will satisfy even the most discriminating tastes.

The OA-S11 Power Amplifier is a rock solid component that allows you to control and manage all of our system's speakers with more individual amplifiers in a single, easy to use amplifier chassis. This makes installation of your home entertainment system much easier than connecting multiple mono two channel amplifiers.

We remember that creating home audio/video products means that they should be easy to use while delivering unparalleled performance.

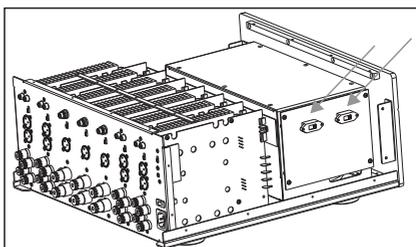
Please read through this manual to familiar yourself with any safety advice and how to set up your amplifier.

Please retain this manual for future reference.

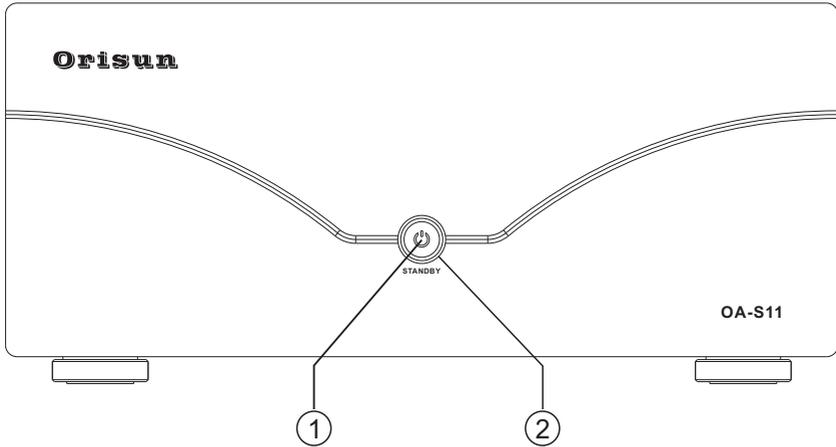
Note: OA-S11 is suitable for global use.

According to the different power supply voltages in different countries or regions, you need to adjust the voltage selector switch located inside the machine. First, you need to open the top cover, and then adjust the voltage selector switch according to the right figure. The position of the two voltage selector switches must be the same.

The factory default voltage of this product is 230VAC



Front Panel Features:



① Standby Button

This turns the main power to the OA-S11 on or off . It is a standby power button ,but it is not required to turn this on and off each time the OA-S11 is used. When enabled, the TRIGGER MODE will turn the amplifier on when an external source (such as a preamplifier) provides a 5-30VAC /DC input on the trigger terminals.

② Amplifier Status Display

This two -color LED display behind a tinted acrylic panel shows activity of any of the eleven power modules on the OA-S11 doing amplification duties.

Blue Light (bottom row): Power module is installed, on and ready.

Red Light : This indicates a fault condition. A fault condition is one or more of the following:

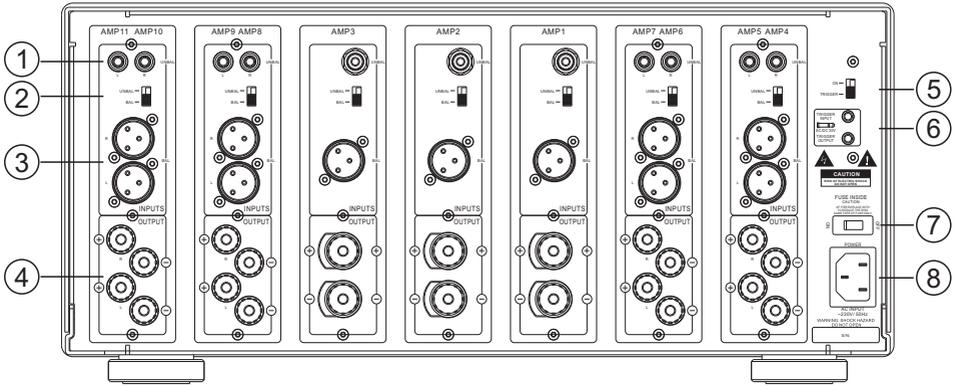
- Excessive operating temp
- Excessive current (short circuit)
- DC on the outputs

See the “Troubleshooting Section” for more details on the display.

Note - When there is NO LIGHT - The power module is not installed, the power modoule’s fuse is blown, the power line is not connected.

Dull- Red Light : The standby mode is activated.

Rear Panel Features:



① Unbalanced RCA Inputs

The OA-S11 has one unbalanced RCA input available for each amplifier channel. Connect this to the corresponding RCA jack on your preamplifier to provide signal to the amplifier channel .

② Signal Inputs select switch

This switch allows you to select balanced input or unbalanced input.

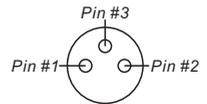
③ Balanced XLR Inputs

The OA-S11 has one balanced XLR input available for each amplifier channel module. Connect this to the corresponding XLR jack on your preamplifier to provide signal to the amplifier channel .If you have a choice, use the balanced XLR connections whenever possible.Balanced

connections offer superior noise immunity over unbalanced RCA connections.

On the balanced XLR connector, the wiring is as Follows:

- Pin #1 = Ground
- Pin #2 = Signal +
- Pin #3 = Signal -



④ Speaker Output Terminals

The speaker output terminals for each amplifier channel are located just below the balanced XLR input jack. The top post of each binding post pair is the positive output, and connects to the positive (red) post of your speaker. The bottom post of each pair is negative, and connects to the negative (black) post of your speaker. The posts can accept bare wire, spade terminals, and dual or single banana connectors.

Spade connections or banana plugs ensure a simple, solid fit in the terminal whereas bare wire may be awkward when the terminal is screwed down to compress the wire into place. Keep in mind that if you use "dual banana" plugs and "stack" them, you will be creating a parallel connection.

⑤ Turn On Selector Switch

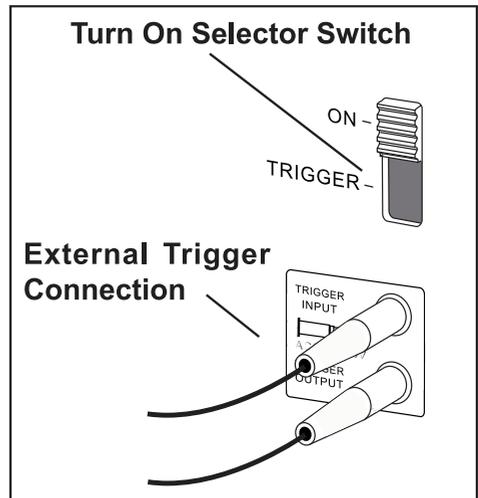
This switch allows you to select how the amplifier will turn on and off.

In the ON (up) position, the switch on the front of the amplifier is the method you will use to power up and power down the amplifier. Please note that in this configuration, you must manually power on and power off the amplifier each time you use it or it will have unnecessary standby current draw.

In the TRIGGER(down) position, the amplifier's ON and OFF functions are controlled by a trigger from a source or preamplifier device. The trigger accepts 5-30V AC/DC and will turn the amplifier on whenever a trigger is present. When there is no trigger, the amplifier goes into standby mode. This is the preferred method for activating the OA-S11.

⑥ External Trigger Connection

This external trigger connection allows the amplifier to be turned ON and OFF by a control device such as a source unit or preamplifier. It can also be used with most home automation controllers. The trigger requires a 5-30V AC/DC trigger. This is the preferred method of activating the OA-S11. The OA-S11 supply TRIGGER link out to another amplifier(Use the 1/8" mono jack connect).



⑦ Power Switch

When the switch is on the " - " position, the idle mode is activated. And this mode can be turned off by turning the switch to the "o" position.

⑧ IEC Line Cord Socket

The OA-S11 comes with a detachable line cord which connects here. Plug the line cord into an AC wall socket which is correctly configured with the voltage and current supply specified for the OA-S11. Do not plug this line cord into a power strip, it must plug directly into a wall socket.

Specifications

Rated Power Output:

AMP1-AMP3	8Ω:	200W RMS
	4Ω:	300W RMS
AMP4-AMP11	8Ω:	135W RMS
	4Ω:	200W RMS

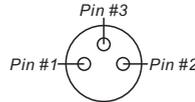
DC Offset: Less than 1mv
Servo controlled

Crosstalk:
Between any channels
(20-20kHz) >80db

Frequency Response:

+/- 0.5 db:	10Hz-20kHz
+/- 3 db:	10Hz-20kHz

XLR Inputs:



Pin#1= Ground
Pin#2= Positive
Pin#3=Negative

Signal To Noise Ratio:

(Un-weighted): 100 db

Power Consumption:

(Standby) <0.5 Watts

Distortion(THD):

(20Hz-20kHz): <0.01%

Power Requirements:

(All Channels Driven): 230VAC, 3750W

Damping Factor:

(into 8 Ohms): >300

Dimensions:

<u>Dain:</u>	435mm	W
RCA: 0.9V(1.2dBm)	185mm	H
XLR: 1.2V(3.8dBm)	445mm	D

Input Impedence: >20K Ohms

Net Weight: 42KG

External Trigger: 5~30V AC/DC

Trouble Shooting Guide

The OA-S11 is the product of careful design and construction, with one year of free warranty service. Most problems that occur can usually be solved by checking your setup or making sure that the audio and video components connected to the amplifier are on and fully operational.

The following information will help you deal with common setup problems you may experience during normal use of your unit. If problems persist, contact your dealer for help.

Trouble Shooting

<p>No audio output</p>	<ul style="list-style-type: none"> • Speaker cables may have come undone. Turn off your system and check the cables, and tighten the amplifier and speaker binding posts. • Damaged audio cable. • The preamplifier volume level is low for the channels concerned . Recheck the preamplifier calibration procedure. • Amplifier is in standby mode, and needs to be turned on "BLUE LED". • Check in case any missing channels have been turned off in a preamplifier setup menu . Foreexample, the center amplifier channel will not receive a signal if the preamplifier has been set to " Phantom". • The ON/TRIGGER switch on the OA-S11 might be in the wrong position. • A fuse on the unit may have blown or the individual fuse within the power module may have blown.
<p>Hum or buzzing sound is heard</p>	<ul style="list-style-type: none"> • If your preamplifier has XLR balanced outputs, use them because they offer greater immunity to noise fields. • Remember to turn off all components in your system, including the amplifier, before disconnecting or connecting any cables during troubleshooting. • Disconnect all cables which come from outside the room, and check if the hum goes away. This includes such connections as cable TV, satellite, or roof top antennas. • Try moving the speaker cables away from any power cords. Try just one speaker, connect-ing it to each amplifier channel and see if one channel is bad.
<p>Amplifier will not turn on</p>	<ul style="list-style-type: none"> • The power switch on the rear panel must be on. • The amplifier must be plugged into a live outlet. • The power mode switch may be set to the wrong mode for your system.

WARRANTY CARD

Type

Serial-No.

Name and address of the dealer/stamp

Customer

Name _____

Street _____

City _____

Country _____

Buying date

No warranty without receipt!

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ACOUSTICS

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