




SONANCE DSP2750MKIII DSP Amplifier User Guide

[Home](#) » [Sonance](#) » SONANCE DSP2750MKIII DSP Amplifier User Guide 

SONANCE TWO-CHANNEL POWER AMPLIFIER DSP 2-750 MKIII QUICKSTART GUIDE

Contents

- [1 BOX CONTENTS](#)
- [2 GETTING STARTED](#)
- [3 SOURCE CONNECTIONS](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)

BOX CONTENTS

- (1) Quackster Guide
- (1) Sonance DSP 2-750 MKIII Amplifier
- (1) IEC Power Cord (Region Dependent)
- (4) Amp Feet
- (2) Rack Ears
- (1) Block Connector for Voltage Trigger

GETTING STARTED

The Sonance DSP 2-750 MKIII comes ready to play audio out-of-the-box. Sonance suggests the following installation sequence:

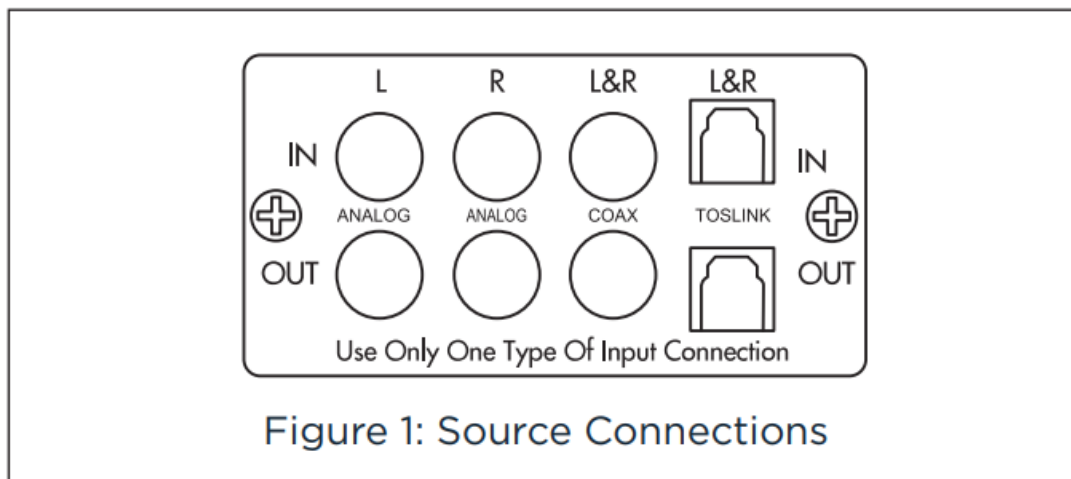
1. Place amplifier in a location away from moisture and temperatures exceeding 100°F (38°C).
2. Connect audio inputs.
3. Connect speaker outputs.
4. Connect network jack with an ethernet cable from the amplifier to a network hub or switch (see the complete

DSP 2-750 MKIII User's Manual and the Sonar guide for complete details).

5. For IR control (optional), insert a mono 3.5mm plug (tip-positive) into the 3.5mm jack labeled "IR Control".
6. For Voltage Trigger, connect trigger lines to the IN+ and IN- terminals on the Voltage Trigger terminal block and connect it.
7. Connect the power cord.
8. Confirm audio inputs are muted. Turn the amplifier power switch to the ON position.

SOURCE CONNECTIONS

The DSP 2-750 MKIII ships with a Hybrid Input Module installed from the factory. The Analog (Stereo RCA) Input is the default source input. If audio is present on either of the digital inputs, the amplifier will automatically switch within ten seconds.



VOLTAGE TRIGGER CONTROL

The DSP 2-750 MKIII has a 3-30V (AC or DC) control input. The factory default setting of the amplifier is Always On or Audio-Sense. The Voltage Trigger can be enabled within the Son ARC interface.

IR CONTROL

The 3.5mm jack can be used to receive IR commands from a distribution box or self-powered IR sensor. The amplifier does not provide a voltage to IR sensors.

Refer to the DSP 2-750 MKIII webpage for specific IR control codes. This feature is always active, and does not need to be enabled in the Son ARC interface.

SPEAKER CONNECTIONS

NOTE: The DSP 2-750 MKIII is capable of driving 4 ohm stereo, 8 ohm stereo, or 8 ohm bridged mono, and 70 Volt loads. Bridged mono load configurations require selection in the Son ARC interface.

NOTE: DSP 2-750 MKIII ships in 70V mode.

1. Connect speaker wire (up to 12 AWG) to the provided block connector.

IMPORTANT: Keep all wire strands inside the plastic shell. Damage may occur if speaker wires short together or touch the amplifier housing.

2. For bridged operation, connect speaker wires from LEFT+ to SPEAKER+ and RIGHT+ to SPEAKER-.
3. Plug the block connector into the amplifier and check that there is no strain on the speaker wire.

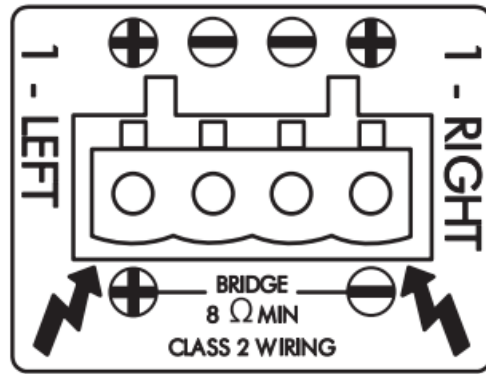


Figure 2: Speaker Output

POWERING THE AMPLIFIER

Plug the provided 14 gauge EIA standard 120 Volt grounded power cable into the IEC power connector.

IMPORTANT: Do not plug the power cord into the wall outlet until all system connections are made.

RESET BUTTON

Pressing the RESET button between three and ten seconds will reset the network settings to factory defaults (DHCP on). Pressing the RESET button for greater than ten seconds will perform a full factory reset, erasing any EQ changes or other user settings.

LED STATUS INDICATORS

Power Button System Status Indicator

- No Light: amp is unpowered or power button is turned off
- Bright White: amp has power and is active
- Dim White: amp has power and is sleeping
- Blinking White: amp is in overtemperature or power supply protection, or the “Identify Amplifier” button was pressed in SonARC

Channel Status Indicators

- No Light: no audio present
- Green: audio present
- Blinking Red: audio present, amp is overdriven
- Solid Red: amplifier is in protection mode

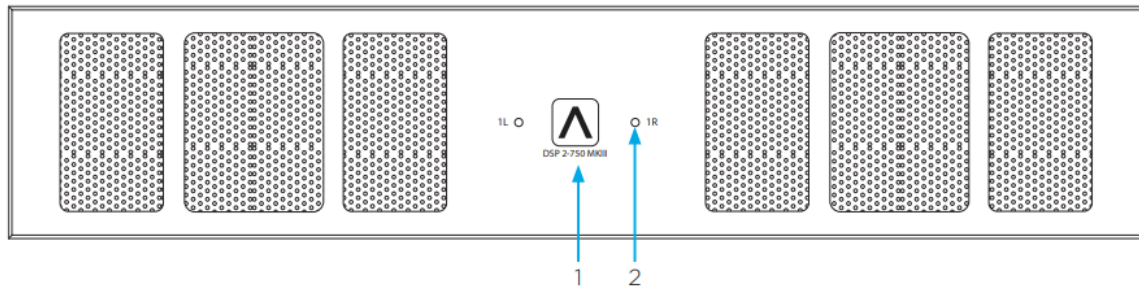


Figure 3: DSP 2-750 MKIII Two-Channel Power Amplifier Front Panel

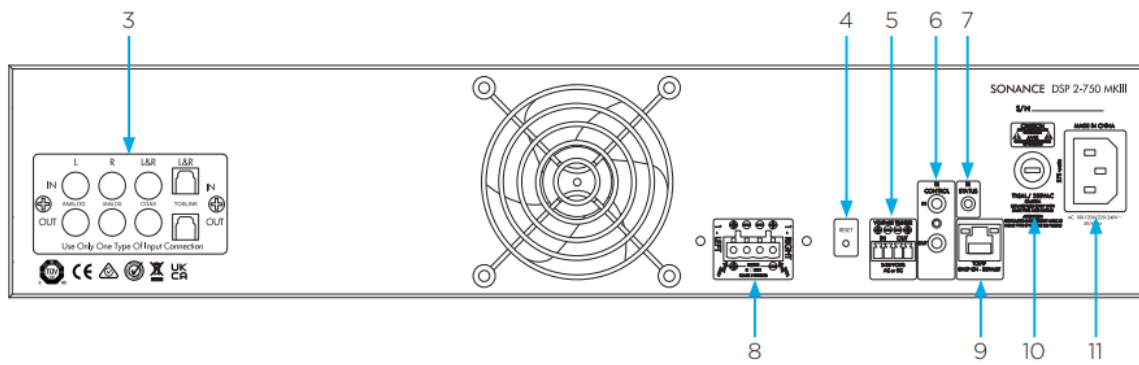


Figure 4: DSP 2-750 MKIII Two-Channel Power Amplifier Rear Panel

Front Panel

1. Illuminated Power Button
2. Active Audio and Protection Indicator

Rear Panel

3. Audio Input/Output Module
4. Reset Button
5. Voltage Control
6. IR Control Input
7. IR Status
8. Speaker Output
9. RJ-45 Input
10. AC Fuse Holder
11. AC Input

Scan QR code for additional information.

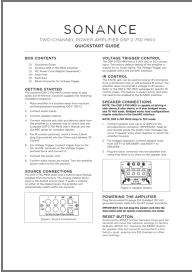


For technical support call 949.492.7777 or visit www.sonance.com

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Documents / Resources



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DSP2750MKIII DSP Amplifier, DSP2750MKIII, DSP Amplifier, Amplifier

References

-  [Sonance](#)
- [User Manual](#)

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