

SONANCE

TWO-CHANNEL POWER AMPLIFIER DSP 2-150 MKIII QUICKSTART GUIDE

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GETTING STARTED

The Sonance DSP 2-150 MKIII comes ready to play audio out-of-the-box. Installers have the option to set the amplifier up using the physical controls for customization or the SonARC web interface (ethernet interface required). 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. Choose a configuration method:
 - For physical controls set up, set the EQ Preset Bank and Selection knobs as needed (see “EQ PRESETS” section).
 - For SonARC, connect an ethernet cable from the amplifier to a network hub or switch (see the complete DSP 2-150 MKIII User’s Manual and the SonARC guide for complete details).
5. For Voltage Trigger or IR control, insert a mono 3.5mm plug (tip-positive) into the 3.5mm jack labeled “12V/IR”.
6. Connect the power cord.
7. Confirm audio inputs are muted. Turn the amplifier power switch to the ON position.

SOURCE CONNECTIONS

The DSP 2-150 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.

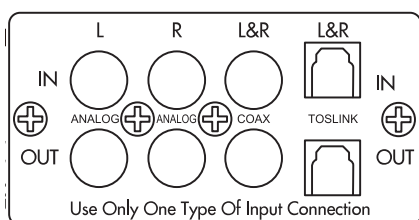


Figure 1: Source Connections

EQ PRESETS

The amp has DSP presets for optimization when used with Sonance speakers. Select from available DSP EQ presets knobs on the back panel. Refer to the EQ Preset sticker on the top of the amplifier to find the corresponding Bank (A-G) and Selection (1-7), and turn the knobs to the corresponding settings. Preset A1 is a flat EQ by default. All EQ presets can be further modified through the SonARC interface.

12V/IR CONTROL

The DSP 2-150 MKIII has a multi-function 3.5mm mono input jack. The amplifier can be triggered on from a sleep state with the application of 3-12V DC input (>50mA). This feature is enabled within the SonARC interface.

The 12V/IR 3.5mm jack can also 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 2-150 MKIII webpage for specific IR control codes. This feature is always active, and does not need to be enabled in the SonARC interface.

SPEAKER CONNECTIONS

NOTE: The DSP 2-150 MKIII is capable of driving 4 ohm stereo, 8 ohm stereo, or 8 ohm bridged mono loads. Bridged mono load configurations require selection in the SonARC interface.

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.

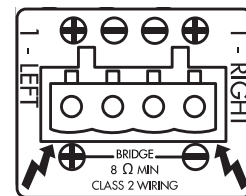


Figure 2: Speaker Output

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.

VOLUME LEVEL CONTROLS

After all connections are complete and the amplifier produces audio, adjust levels on the front panel with a small flathead or Phillips screwdriver. The factory default position of vertical (or “12 o’clock”) corresponds to +0dB. Turn the knob clockwise to “5 o’clock” for +12dB. Turn the knob counterclockwise to “7 o’clock” for -∞dB.

RESET BUTTON

Pressing the RESET button for less than five seconds will reboot the amp. Pressing the RESET button between five 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

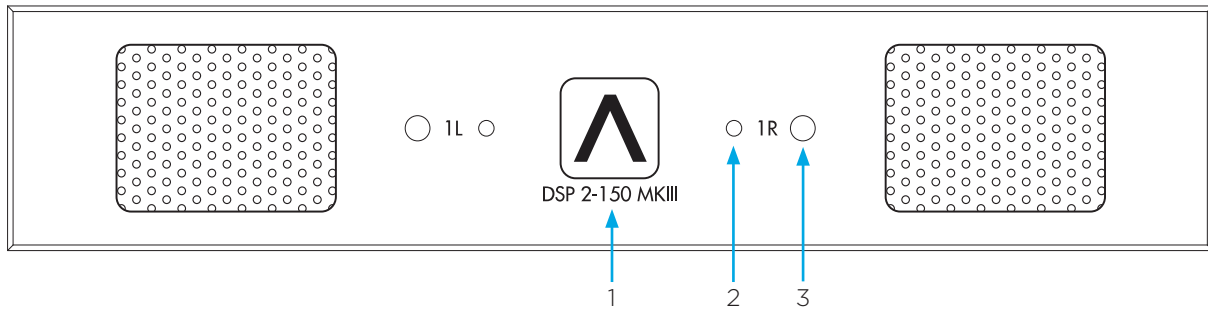


Figure 3: DSP 2-150 MKIII Two-Channel Power Amplifier Front Panel

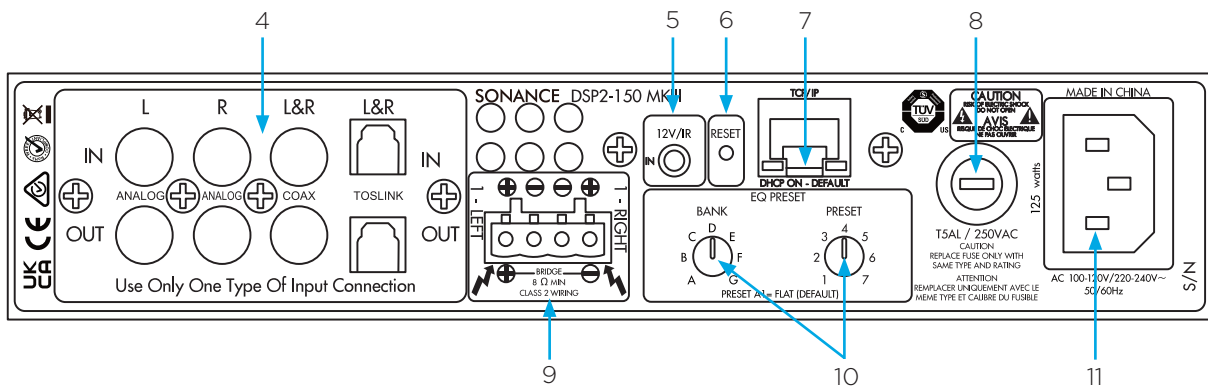


Figure 4: DSP 2-150 MKIII Two-Channel Power Amplifier Rear Panel

Front Panel

1. Illuminated Power Button
2. Active Audio and Protection Indicator
3. Recessed Volume Level Control

Rear Panel

4. Hybrid Input/Output Module
5. Voltage Control and IR Control Input
6. Reset Button
7. RJ-45 Input
8. AC Fuse Holder
9. Speaker Output
10. EQ Preset Selection Knobs
11. AC Input



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SONANCE • 991 Calle Amanecer • San Clemente, CA 92673 • (949) 492-7777
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