

HCALORY Power Amplifier 4

User Manual

HCALORY AS-336BU POWER AMPLIFIER

1. Introduction

This manual provides detailed instructions for the proper setup, operation, and maintenance of your HCALORY AS-336BU Power Amplifier. Please read this manual thoroughly before using the product to ensure safe and optimal performance. This 2-channel stereo sound audio receiver features 2000W P.M.P.O output, Bluetooth 5.0 connectivity, USB/SD card input, FM radio, RCA, DVD/AUX inputs, and four microphone inputs with EQ adjustment, making it suitable for home theater and karaoke applications.

2. Safety Instructions

- **Power Supply:** Ensure the amplifier is connected to a power source matching the specified voltage (AC 110V 50/60Hz or DC 12V). Do not overload power outlets.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Keep the amplifier away from water, moisture, and high humidity environments. Do not expose it to rain or splashes.
- **Heat Sources:** Avoid placing the unit near heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cleaning:** Unplug the unit from the power outlet before cleaning. Use a dry cloth for cleaning. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Opening the casing may expose you to dangerous voltage or other hazards.
- **Placement:** Place the amplifier on a stable, flat surface to prevent it from falling.

3. Setup

3.1 Unpacking and Inspection

Carefully remove the amplifier from its packaging. Inspect the unit for any signs of damage during transit. Retain the

original packaging for future transport or storage.

3.2 Front Panel Overview

The front panel provides access to all primary controls and inputs. Familiarize yourself with the layout before making connections.



Figure 3.2.1: Front panel of the HCALORY AS-336BU Power Amplifier, showing microphone inputs, volume controls, EQ adjustments, USB/SD card slot, and display.

- **MIC1-MIC4 Inputs:** Connect microphones for karaoke or public address.
- **MIC Volume/EQ Controls:** Adjust individual microphone volume, treble, bass, and echo.
- **Master Volume:** Controls the overall output volume.
- **USB/SD/MMC/FM/BT Player:** Digital media player section with display and control buttons.
- **EQ Adjustment Sliders:** Fine-tune the audio frequency response for left and right channels.
- **Power Switch:** Turns the unit on or off.

3.3 Rear Panel Connections

The rear panel houses the power input, speaker outputs, and auxiliary audio inputs.

- **Speaker Outputs:** Connect your passive speakers to these terminals. Ensure correct polarity (+ to + and - to -).
- **RCA Inputs (DVD/AUX):** Connect external audio sources such as DVD players, CD players, or other audio devices using RCA cables.
- **Power Input:** Connect the provided power cable to an appropriate AC outlet or DC 12V source.

3.4 Connecting Speakers

1. Ensure the amplifier is turned off and unplugged from the power source.
2. Connect the positive (+) terminal of your speaker to the positive (+) terminal on the amplifier's speaker output.
3. Connect the negative (-) terminal of your speaker to the negative (-) terminal on the amplifier's speaker output.
4. Repeat for all speakers. Ensure all connections are secure to prevent short circuits.

3.5 Connecting Audio Sources

1. For DVD/AUX input, connect your audio source's RCA output to the corresponding RCA input on the amplifier.
2. For USB/SD card playback, insert your USB drive or SD card into the designated slot on the front panel.

4. Operating Instructions

4.1 Powering On/Off

Press the **POWER** switch on the front panel to turn the amplifier on or off. The display will illuminate when the unit is powered on.

4.2 Source Selection

Use the input selector buttons on the front panel (or remote control, if applicable) to switch between different audio sources: USB, SD, FM, Bluetooth, DVD, or AUX.

4.3 Volume Control

Rotate the large **VOLUME** knob to adjust the overall output volume. Adjust microphone volumes using their dedicated knobs.

4.4 Bluetooth Connection

1. Select **Bluetooth** as the input source. The display will show "BLUE" or a similar indicator.
2. On your mobile device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
3. Select "AS-336BU" or a similar name from the list of devices to pair.
4. Once connected, you can stream audio wirelessly from your device to the amplifier.

4.5 USB/SD Card Playback

1. Insert a USB flash drive or SD card (up to 64GB) containing audio files into the respective slot.
2. The amplifier will automatically switch to USB/SD mode and begin playing compatible audio files.
3. Use the playback controls (Play/Pause, Next, Previous) on the front panel to navigate your music.

4.6 FM Radio Operation

1. Select **FM** as the input source.
2. Press the "Play/Pause" button to initiate an automatic station scan. The amplifier will scan and save available FM stations.

3. Use the "Next" and "Previous" buttons to cycle through saved stations.

4.7 Microphone and EQ Adjustment

- Connect up to four microphones to the MIC inputs.
- Adjust individual microphone volume, treble, bass, and echo using the dedicated knobs for each MIC channel.
- Use the 5-section EQ adjustment sliders to fine-tune the overall audio output's frequency response for both left and right channels, allowing for personalized sound.

5. Maintenance

5.1 Cleaning

Before cleaning, ensure the amplifier is turned off and unplugged from the power source. Use a soft, dry cloth to wipe the exterior surfaces. Do not use abrasive cleaners, waxes, or solvents as they may damage the finish. Avoid spraying liquids directly onto the unit.

5.2 Storage

If storing the amplifier for an extended period, unplug it from the power source and store it in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to use the original packaging for protection.

6. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet faulty; Power switch off.	Ensure power cable is securely plugged in. Test the outlet with another device. Turn the power switch to the ON position.
No sound output	Incorrect source selected; Volume too low; Speaker wires loose/incorrectly connected; Faulty audio source.	Select the correct input source. Increase master volume. Check speaker wire connections and polarity. Test with a different audio source.
Bluetooth not connecting	Amplifier not in Bluetooth mode; Device too far; Device already connected to another unit.	Ensure amplifier is in Bluetooth mode ("BLUE" on display). Move device closer to amplifier. Disconnect from other Bluetooth devices.
Microphone not working	Microphone not plugged in; Microphone volume too low; Faulty microphone.	Ensure microphone is fully inserted. Increase individual microphone volume. Test with a different microphone.
Poor FM reception	Weak signal; Antenna not extended/connected.	Adjust the position of the FM antenna. Perform an auto-scan again.

7. Specifications

The following table outlines the technical specifications for the HCALORY AS-336BU Power Amplifier.



Rated voltage	AC 110V 50/60Hz, DC12V
Rated Power	1200W
Rated frequency	20KH - 20KHz
Signal to noise ratio	90dB
Standard impedance	4 to 16 ohm
Signal input sensitivity	200mv ($\pm$ 30mv)
Microphone input sensitivity	9 mv ($\pm$ 2mv)
Recording level output	1V
Auxiliary level output	1V
Support	USB Disk/Max 64GB SD Card(Not included)

Figure 7.1.1: Product dimensions and key technical specifications.

Feature	Detail
Rated Voltage	AC 110V 50/60Hz, DC 12V
Rated Power	1200W (Note: Product title states 2000W P.M.P.O, this is likely RMS or continuous power)
Rated Frequency	20Hz - 20KHz
Signal to Noise Ratio	90dB
Standard Impedance	4 to 16 ohm
Signal Input Sensitivity	200mV ($\pm$ 30mV)
Microphone Input Sensitivity	9mV ($\pm$ 2mV)

Feature	Detail
Recording Level Output	1V
Auxiliary Level Output	1V
Support	USB Disk/Max 64GB SD Card (Not included)
Product Dimensions	1.46 x 4.49 x 3.7 inches; 6.91 Pounds
Connectivity Technology	Bluetooth
Audio Output Mode	Stereo
Surround Sound Channel Configuration	2 Channel

8. Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your product or visit the official HCALORY website. Keep your purchase receipt as proof of purchase for any warranty claims.

HCALORY Official Website: [Visit HCALORY Store on Amazon](#)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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