

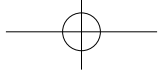
Innovating the Art of Listening



# HIFIMAN EF2C

## Owner's Guide

[www.hifiman.com](http://www.hifiman.com)



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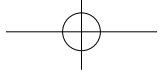
## Owner's Guide

Thank you for purchasing the HIFIMAN EF2C, a hybrid headphone amplifier which combines vacuum tube sound quality with solid-state technology to deliver outstanding performance.

This Owner's Guide is intended to provide a useful overview of your new EF2C and how to best install and operate it for many years of enjoyment, safety and satisfaction. Please take the time to familiarize yourself with its features. If you have any questions or need additional information, contact your authorized HIFIMAN dealer.

### Product Overview

The HIFIMAN EF2C is a hybrid amplifier design which combines vacuum tube and solid state design. Unlike traditional vacuum tube amplifiers, the EF2C significantly improves the condition of the power source which in turn increases the output power as well as prolongs the life of the vacuum tube and the amplifier. The simple signal route and the selected audiophile elements will provide you with years of reliability, safety, and enjoyment.



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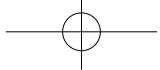
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### Key Features

- Hybrid design: Combines vacuum tube with solid state technology
- Advanced Step Potentiometer for precise volume control
- USB DAC chip: CM102S
- Vacuum tube: Chinese 6J1 x 2 (6AK5)
- OP-amp: OPA2604
- Separate power supply
- Inputs: USB and CD input

### Specifications

- Input impedance: 47k Ohms
- Output impedance: 32 - 300 Ohms
- Max. Power Output: 600mW@35 Ohms
- Line-in Max. Output: 4.6V Distortion: 2%
- USB DAC Max. Output: 3.2V Distortion: 0.46%
- Frequency response: 20Hz-20kHz
- S/N: 90dB
- Power supply: 110v/220v
- Dimensions: 5.7" (144mm) Wide x 4.3" (110mm) Deep x 3.1" (78mm) High
- Weight: 3lbs (1.36kg)
- Accessories: USB cable, power supply



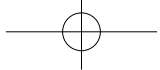
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### Front panel layout

- 1) LED light: Turns to blue when the power is on
- 2) Power switch: Pull up to turn the amplifier on, pull down to turn off
- 3) Headphone jack: Connect with headphones
- 4) Volume control: Turn clockwise to increase volume, counter-clockwise to reduce volume
- 5) Feature selection: CD or USB





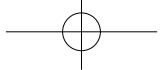
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### Rear panel layout

- 6) L input: connect to the L channel of the audio cable
- 7) R input: connect to the R channel of the audio cable
- 8) USB input: for USB cable to connect to the computer
- 9) AC power connection: 110v / 220v



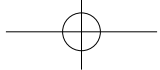


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### Caution

1. Before connecting, make sure your local power supply voltage matches the voltage of the supporting transformer. If not, or you are not sure, please contact your authorized HIFIMAN dealer.
2. Make sure the power switch on the front panel is in off position.
3. Connect the power cord of the transformer to the power supply socket and the other end of the transformer to the amplifier.
4. Make sure the supplied vacuum tube is correctly installed.
5. Use an audio cable to connect the audio input jack of EF2C and the output jack of the music source. Do not reverse the L/R channel orientation.
6. Turn the amplifier on and when the indicator light on the front panel turns to yellow, it indicates that the protection circuit is working normally. Now you are ready to enjoy listening.
7. After shutdown, wait at least 5 seconds before turning the amp back on.
8. Proper operating environment: 14°F to 104°F (-10°C to 40°C ) with natural cooling.
9. Always keep children away from the amplifier. Keep the amplifier away from other dangerous or high-temperature fusible items, such as a lighter, butane gas tank, air freshener, insecticide, solid alcohol, gasoline and organic solvent, etc.



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### Warranty

- One-year free repair when installed, set up and used according to our recommended instructions. Contact us first to troubleshoot before returning and if needed an RA will be issued. Return shipping to HIFIMAN or authorized service facility is owner's responsibility.
- For residential use only.



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**For any further information or questions, please contact  
your authorized HIFIMAN dealer. Or email us directly at  
[customerservice@hifiman.com](mailto:customerservice@hifiman.com)**

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