

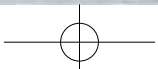
Innovating the Art of Listening

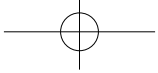


HIFIMAN EF100

Owner's Guide

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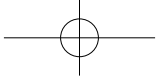
HIFIMAN EF100 | Owner's Guide

Thank you for purchasing the HIFIMAN EF100. We believe it is one of the finest headphone amplifier values on the market. This Owner's Guide is intended to provide a useful overview of your new EF100 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 or HIFIMAN directly.

Product Overview

The HIFIMAN EF100 is a powerful hybrid headphone amplifier and integrated amplifier. Housed in its compact chassis lie three independent amplifier sections: a vacuum tube input stage works as a shared preamp, a Class AB headphone amplifier, and a Class T speaker power amplifier. Benefitting from vacuum tube technology, both headphone amplifier and power amplifier sound warm, smooth, detailed and musical. Working as a hybrid headphone amplifier, EF100 can produce a 2w output under a 32 ohm load so it can easily drive many high performance headphones.

In addition, EF100 can also serve as a hybrid power amplifier to drive speakers of moderate to high efficiency. In power amplifier mode, the amplifier output line is fully independent from the digital amplifier line used in the headphone amplifier. Driven by the front stage's vacuum tubes, EF100 combines the warmth vacuum tubes are known for with the high efficiency of a digital amplifier. It is the best of both worlds. At last, with its versatile design, EF100 can bring music to life from a variety of sources for both headphones and speaker applications.



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Specifications

Input impedance: 47k

Output impedance: 32-300 Ohm

Headphone Output: 7.8v, 2000 mw @30 Ohms load

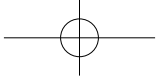
Frequency response: 20-20khz +/- 0.2db

Power amplifier output: 4.5 w for each channel @4 Ohm load

Frequency response: 20Hz-20KHz +/- 1dB

D/N(A): 95db

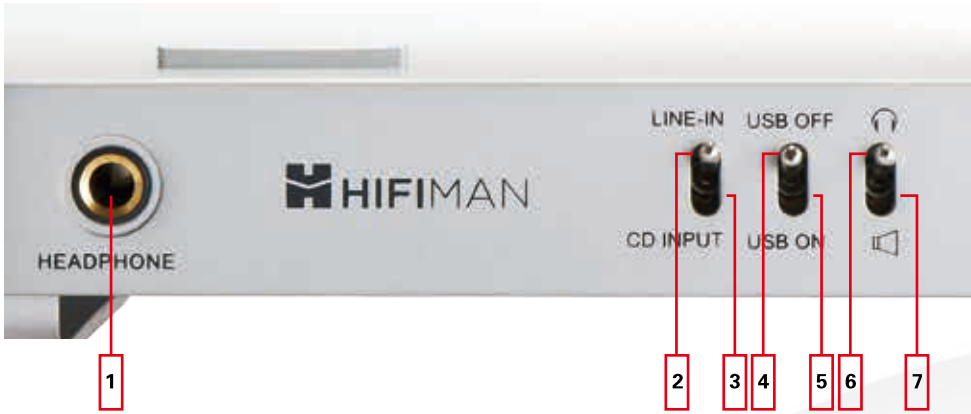
Tube: 6N3J



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EF100 Front panel layout

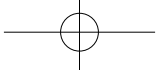
1. 6.35mm (1/4") headphone jack: connect with 6.35mm (1/4") interface headphone
2. Pull up for line input
3. Pull down for CD input
4. Pull up to turn off USB mode
5. Pull down to turn on USB mode
6. Turn on for headphone mode
7. Turn on for speaker mode

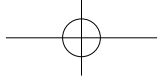


EF100 Side panel layout



8.LINE-IN:3.5mm line input jack

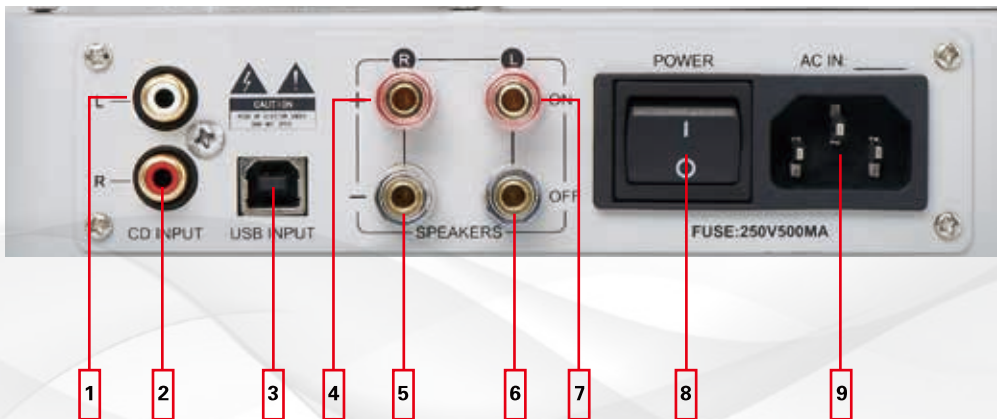


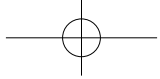


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EF100 Rear panel layout

- | | |
|---|--|
| 1. CD input (left channel) | 6. Power amplifier output (left channel-) |
| 2. CD input (right channel) | 7. Power amplifier output (left channel+) |
| 3. USB input jack | 8. Switch |
| 4. Power amplifier output (right channel+) | 9. AC power connection |
| 5. Power amplifier output (right channel-) | |

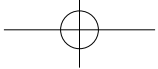




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Caution

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. Connect the power cord to the amplifier.
3. Use an audio cable to connect the audio input jack of EF100 and the output jack of the music source. Do not reverse the L/R channel orientation.
4. Turn the amplifier on and you will see the indicator light shining. After selecting the correct music source input switch, you are ready to enjoy listening.
5. After shutdown, wait at least 5 seconds before turning the amp back on.
6. Proper operating environment: 14°F to 104°F (-10°C to 40°C) with natural cooling.
7. 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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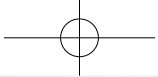
Warranty

- 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.

For any further information or questions, please contact your authorized HIFIMAN dealer. Or email us directly at customerservice@hifiman.com.

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HIFIMAN Electronics

Customer Service Tel: 1-201-HIFIMAN (443-4626)

Email: customerservice@hifiman.com

Website: www.hifiman.com