

Hartke

HyDrive 112b Cabinet



Owner's Manual

Introduction

Congratulations on the purchase of your Hartke HyDrive 112b bass cabinet! We know you don't like reading owners manuals, but you've just purchased one of the finest bass speaker systems around, and we want to tell you about it. So, before you plug in and start playing, we'd like to suggest you take just a few moments to scan these pages.

The HyDrive 112b is a 300 watt, 4 ohm bass speaker cabinet featuring our patented HyDrive hybrid cone bass transducers. HyDrive speakers are constructed using an outside curved paper cone producing warm low frequencies and an inside anodized aluminum cone that produces smooth mids and high-end extension. This radical construction provides a clean sound with a big low end, allowing you to sculpt a wide range of tones for any musical style.

With proper care and operation, your HyDrive cabinet will operate trouble free for many years. We recommend you record your serial number in the space provided below for future reference.

Serial number: _____

Date of purchase: _____

NOTE: Should your Hartke Cabinet ever require servicing, a Return Authorization (RA) number is necessary. Without this number, the unit will not be accepted. If purchased in the United States, please call Hartke at 1-800-372-6766 for a Return Authorization number prior to shipping. Please retain the original packing materials and, if possible, return the unit in its original carton and packing materials. If purchased outside the United States, please contact your local distributor for warranty information.

Specifications

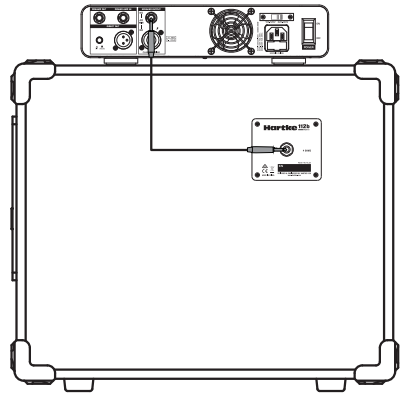
Power Handling	300W RMS
Cabinet Impedance	4Ω
LF Speaker	12" paper/aluminum driver
Frequency Response	70Hz–5kHz (-3dB)
-10dB LF Response	35Hz
Inputs	1/4"
Cabinet Type	Ported
Cabinet Construction	Plywood, extensive bracing, dado joinery
Grille	Black perforated steel
Product Dimensions	17" x 19.75" x 15.25" 432mm x 248mm x 387mm
Product Weight	33lb 15kg

Connecting the HyDrive 112b

When connecting the HyDrive 112b to an amplifier, only use unshielded speaker cables. Connect your amplifier output to the speaker input on the HyDrive 112b jack plate.

IMPORTANT: Every amplifier has a minimum safe operating impedance, so be sure to check the manufacturer's recommended impedance for your amplifier to avoid any damage to your amplifier or voiding your warranty.

The HyDrive 112b impedance is 4 Ohms. When two cabinets are connected together in parallel, the total impedance is 2 Ohms. The impedance of your speaker has an effect on your amplifier. In general, the lower the impedance, the more power your amplifier will output.



Basically, impedance is the amount of current that will flow through a speaker at a certain voltage. It is measured in Ohms (Ω). The actual impedance of a speaker is not constant across all frequencies. So, for convenience we use the term “nominal impedance”, which refers to the impedance that a speaker presents to an amplifier at a reference frequency.

A speaker typically has an impedance rating of 4 Ω , 8 Ω , or 16 Ω . Generally, the lower the impedance of a speaker, the more power will be developed by the connected amplifier. For example, a 4 Ω speaker will extract more power from your amplifier than an 8 Ω speaker. If you connect a speaker with an impedance lower than the amplifier's output rating, the amplifier can overheat and damage the power output section. It is important to learn how to connect multiple speaker cabinets safely without damaging the speakers or the amplifier in this way.

Here is a simple rule of impedance: When two speakers with the same impedance are wired in **parallel**, the total system impedance is **cut in half**, and when two speakers with the same impedance are wired in **series**, the total impedance is the **sum of the speakers individual impedance**.



If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private household in the 28 member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).

For Countries not mentioned above, please contact your local authorities for a correct method of disposal. By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

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