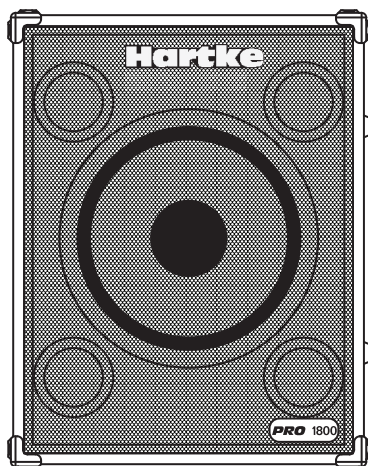


# ***PRO* 1800**



**18" Stackable  
Bass Enclosure**

**Owners Manual**

**Hartke**

**PROFESSIONAL  
SERIES**

# 1800 Introduction and Features

Congratulations on purchasing the 1800 bass enclosure by Hartke! The PRO Series enclosures have been designed to provide excellent tone with a warm punchy output. The 1800 features an 18-inch, proprietary low frequency driver with an impregnated fabric surround, and matched convex dust cover all mounted in a heavy-duty steel frame. Using heavy-duty plywood construction, covered in rugged carpet with recessed jack plate and ergonomic handle, the 1800 will provide reliable performance from gig to gig and venue to venue.

In these pages, you'll find a detailed description of the features of the-1800, as well as a description of its front and rear panels, step-by-step instructions for its setup and use and full specifications. You'll also find a warranty card enclosed—please don't forget to fill it out and mail it in so that you can receive online technical support and so we can send you updated information about these and other Samson products in the future.

We recommend you record your serial number in the space provided below for future reference.

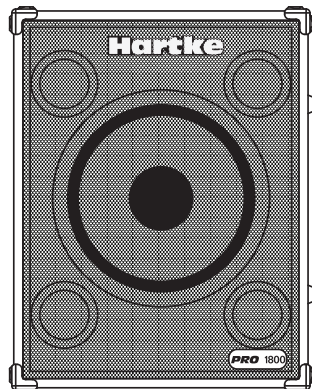
Serial number:

Date of purchase:

Should your unit ever require servicing, a Return Authorization number (RA) must be obtained before shipping your unit to Samson. Without this number, the unit will not be accepted. Please call Samson at 1-800-3SAMSON (1-800-372-6766) for a Return Authorization number prior to shipping your unit. Please retain the original packing materials and if possible, return the unit in the original carton and packing materials.

## 1800 Features

- 18-inch heavy-duty, Low Frequency driver
- 3/4" Plywood construction
- Four Tuned Front Ports
- Perforated metal speaker grill
- Recessed metal handles
- Stacking corners
- 1/4-inch phone & Speakon input jacks
- Covered in durable carpet



# Connecting the 1800

## About Impedance

Before you hook up your speaker cabinet, be sure that you understand a little about impedance. Impedance is the electronic load that the speaker puts on the power amplifier and is measured in Ohms.

Here is the tricky, yet simple rule of impedance: When two speakers are wired in "Parallel" the total impedance is cut in half and when two speakers are wire in "Series" the total impedance is the sum of the speakers individual impedance.

The 1800 impedance (many audio guys used the made up word "ohmage", however the correct term is impedance) is 4 Ohms. So, when two 1800's are connected together in parallel, the total impedance is 2 Ohms. The impedance of your speaker also has an effect on your amplifier. In general, the lower the impedance, the more power your amplifier will put out.

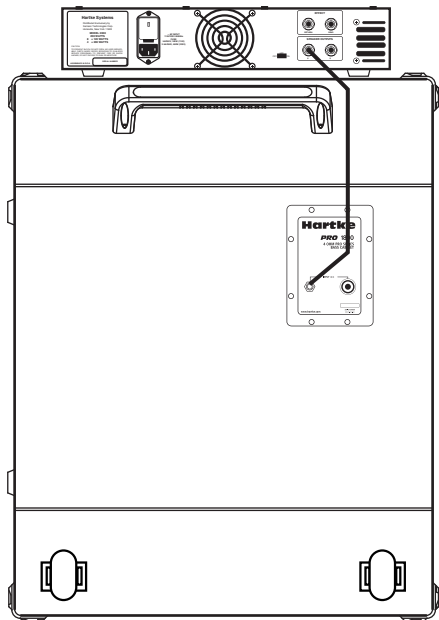
**IMPORTANT:** There is a minimum safe impedance so be sure to check the manufacturer's recommended impedance for your amplifier to avoid any damage to your amplifier or voiding your warranty.

## Connecting the 1800 to Your Amplifier

The 1800 connections are made via 1/4" phone jacks located on the rear panel jack-plate. Be sure to make your connection with un-shielded speaker cable. Connect the Amplifier Output to the speaker Input on the 1800's rear jackplate.

## Using the EXTENSION Output

The 1800 provides both 1/4-inch and Speakon connections. You can use either connector to connect to your amplifier head. Since both the 1/4-inch phone and Speakon connectors are wired in parallel, you can connect additional speaker cabinets using either connector as an extension output. Be sure to read the section above on impedance to insure a proper hook-up with your amplifier.



# Specifications

## Hartke 1800 Specifications

Type	Tuned, Vented Enclosure
Impedance (Ohms)	4 Ohms Impedance
Power Handling	400 Watts RMS Power Handling
Drivers	1-Hartke 18XL4 Special Design 18", 4 ohm, 400 watt drive unit
Frequency Response	28Hz - 300Hz
Inputs	1/4-inch Phone & Speakon
Weight	94 lbs. (42.64)
Dimensions	Height: 30.75" (78.11 cm) Width: 24" (60.96 cm) Depth: 18" (45.72 cm)

# Hartke

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