

Carvin's 412 speaker cabinets are constructed of the finest materials and are built to the toughest standards in the industry. Moreover, they are loaded with the best all-around sounding 12" drivers available. The GS12 speakers are capable of crystal clear "Clean" tones and yet can be driven hard to achieve that familiar "British" over-drive sound, with plenty of midrange and bass response. The enclosure is built from light weight, yet incredibly strong, poplar plywood and is covered in rich black protective vinyl. Built-in recessed handles, steel corners and a steel mesh grill further protect your investment. Caster inserts are already in place if you choose to add the optional CTS4 casters.

RECEIVING INSPECTION

INSPECT YOUR SPEAKER FOR ANY DAMAGE which may have occurred during shipping. If any damage is found, please notify the shipping company & CARVIN.

SAVE THE CARTON & ALL PACKING MATERIALS. In the event you have to re-ship your unit, always use the original carton and packing material. This will provide the best possible protection during shipment. CARVIN and the shipping company are not liable for any damage caused by improper packing.

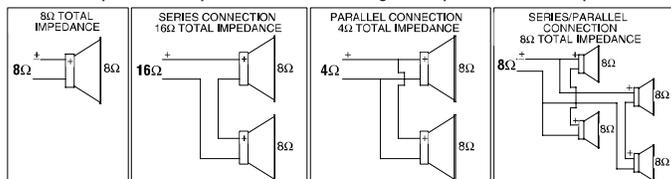
SAVE YOUR INVOICE. It will be required for warranty service if needed in the future.

SHIPMENT SHORTAGE. If you find items missing, they may have been shipped separately. Please allow several days for the rest of your order to arrive before inquiring.

RECORD THE SERIAL NUMBER on the enclosed warranty card or below on this manual for your records. Keep your portion of the card and return the portion with your name and comments to us.

TYPICAL LOUDSPEAKER IMPEDANCE CONFIGURATIONS

Individual speaker or speaker cabinet wiring examples for total impedance.



STEREO/MONO SWITCH

The stereo/mono switch allows you to run your stereo pre-amps, effects, and power amps with only a single cabinet. Perfect for portable rack systems.

REAR CONNECT PLATE

Two standard 1/4" phone jacks are featured. One for connecting to the power amp and the other for connecting to an additional speaker system.

SPEAKER CABLES

The PH8 is our standard cable when purchasing a complete guitar amp stack. These cables feature 1/4" plugs and heavy 16 gauge copper wire. You can DAISY-CHAIN up to one additional speaker per cable by using the unused 1/4" OUTPUT" jack (right side) on your speaker jack plate. Be sure to note the total impedance to the amp so it is not lower than it's recommended impedance. See *Typical Loudspeaker Impedance Configurations*.

PRECAUTIONS

1) DO NOT EXCEED THE POWER RATING marked on the rear connect plate. Excessive power will destroy drivers. 2) DISTORTION from power amps will destroy drivers much faster than clean power. 3) WATER, MOISTURE, and DUST are harmful to drivers causing failure which is not covered under warranty.

WARRANTY

CARVIN loudspeakers are covered by a ONE year limited warranty unless otherwise stated. Warranty coverage is limited to original manufactures defects only. WARRANTY DOES NOT COVER: 1) Opened or burned voice coils. 2) Torn cones caused by improper packing or abuse. 3) Damage from rain, moisture, ETC.

SERVICE

In the USA, please call 800-235-2235 for a RMA # (return authorization number). Write this number on the box and enclose a description of the problem. Prepay to Carvin 12340 World Trade Drive, SD, CA 92128.

Outside the USA, contact your dealer or go to <http://www.carvinworld.com> for your nearest service center. Include a written description of the problem with serial number and date of purchase.



MODEL 412 (TOP & BOTTOM) SYSTEM SPECS:

- Frequency Response:** 72 to 7.5k Hz
- Drivers:** Four GS12 12" Speakers
- Power Handling:** 400 watts
- Mode Switch:** Mono/Stereo
- Nominal Impedance:** Mono 8Ω Stereo 4Ω
- Input Connector:** One 1/4" Phone Connector
- Output Connector:** One 1/4" Phone Connector
- Woofer Enclosure Type:** Closed Box
- Enclosure Covering:** Black Vinyl
- Dimensions:** 30"W x 14.5"D x 30"H
- Warranty:** One Year
- Weight:** 75 lbs.
- Optional Cable:** PH8
- Optional Covers:** Top; CVS412T, Bottom; CVS412B
- Optional Casters:** CTS4

For your records, you may wish to record the following information.

Serial No. _____ Invoice Date _____

