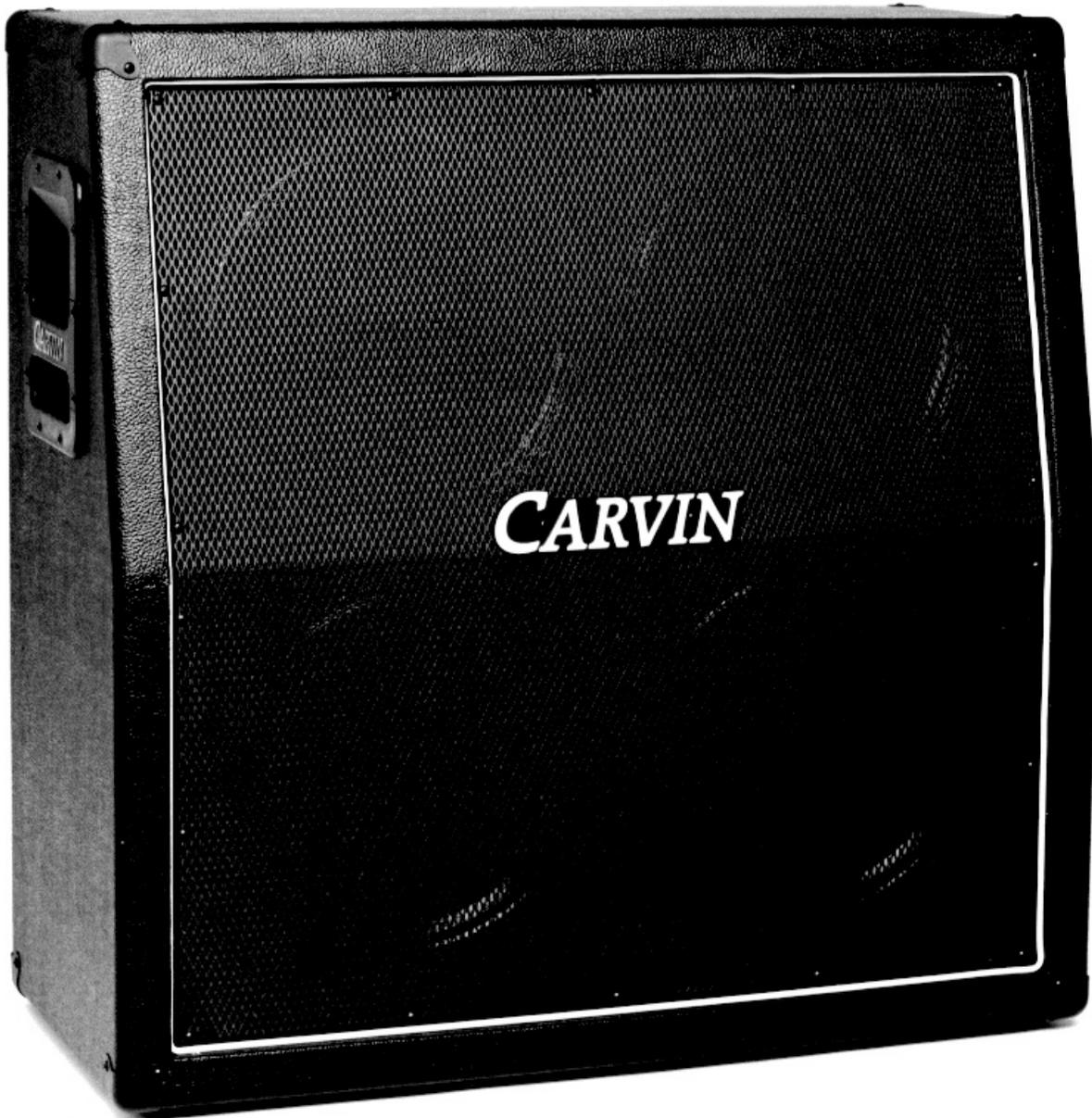


CARVIN

412 Speaker Enclosures

The 412 (Top & Bottom) guitar stack enclosures are the choice for the player who demands the power and looks of a large stage setup. These cabinets are loaded with four Carvin Vintage series VL12 12" speakers delivering a total of 400 watts of vibrant lead guitar output. These versatile cabinets offer the choice of stereo or mono operation.



CONGRATULATIONS on your selection of CARVIN products: "The Professional's Choice." Your new speaker system demonstrates CARVIN's commitment to producing the highest quality & most thoroughly engineered products in pro audio.

Please send in the warranty card. It will allow us to better understand how you are using the equipment while keeping a ready reference for our files.

RECEIVING INSPECTION

INSPECT YOUR SPEAKER SYSTEM FOR ANY DAMAGE which may have occurred during shipping. If any damage is found, notify the shipping company and call CARVIN immediately.

SAVE THE CARTON & ALL PACKING MATERIALS. In the event you have to re-ship your speaker, always use the original carton and packing material. This will provide the best possible protection for your speaker 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 servicing of your unit. Always check your invoice against the items you have received.

SHIPMENT SHORTAGE. If you find items missing, it may be that they were shipped separately. Please allow several days for the rest of your order to arrive before inquiring. If you determine (after allowing an appropriate amount of time) you have not received all the items you ordered, please call CARVIN.

SYSTEM CONNECT PLATE

For maximum versatility, Carvin offers a choice of 1/4" Phone & XLR connectors and Stereo or Mono operation. When you run your system in MONO, all speakers are connected together. When you run your system in STEREO, The LEFT speakers and the RIGHT speakers are separated. To change the mode of operation, remove the rubber cap above the left phone jack. With a small slot screwdriver, move the switch UP for MONO or DOWN for STEREO. To re-secure the rubber cap, push hard on the center of the rubber cap until it locks in. This will prevent air leaks. XLR connector wiring: **Pin 1:** GROUND, **Pin 2;** HOT (red binding post on your amp), **Pin 3;** Not used.



MONO MODE

- 1) Move the switch to the UP position—MONO
- 2) Plug your amp into the MONO/LEFT connectors
- 3) The R connectors can be used for Extension Speakers
- 4) The total Impedance (MONO) to your amp is 8Ω

STEREO MODE

- 1) Move the switch to the DOWN position—STEREO
- 2) Plug your amps into the LEFT & RIGHT connectors
- 3) Use the remaining connectors for R & L Extension

Speakers

- 4) The total Impedance (STEREO) to each amp is 4Ω.

SPEAKER CABLES

CARVIN offers its standard 8' **PH8** speaker cable featuring heavy-duty 16 ga copper wire and 1/4" phone plugs for speaker to amp hookups. For amps that feature XLR speaker output connectors, you may select the heavy-duty CARVIN 6' XLR **XP6** speaker cable.

IMPORTANT: Do Not Use Shielded Guitar or XLR Mic Cables. Using a shielded cable could cause your amp to "thermal protect" and shut down.

SUGGESTIONS FOR OPTIMAL PERFORMANCE

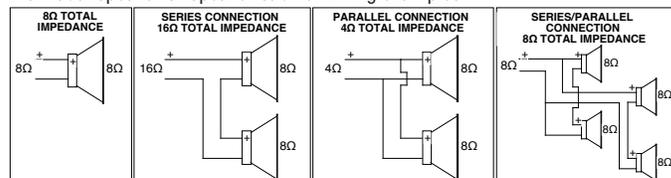
- 1) Check to see that your amp is selected for the proper speaker impedance.
- 2) Direct the enclosure to the ear level of your audience.
- 3) For greater bass response, keep your speaker on the floor or on another enclosure (stack).
- 4) If more volume is required, add additional enclosures first and power second.

DAISY CHAINING (EXTENSION SPEAKER)

The Rear Connect Plate on all CARVIN speaker systems permit extending ("Daisy Chaining") one additional speaker system to your amp. It is not recommended that you "daisy chain" more than one system. You must also recalculate the total speaker impedance to your amp. If your speaker has a 8Ω impedance and you daisy chain another 8Ω speaker, your total impedance is 4Ω. Most power amps are not designed for less than 4Ω or they will "thermal protect" and shut down. If you are using the 1/4" Phone Jack for the input, you may use the XLR connector for the extension speaker or vice-versa.

TYPICAL LOUDSPEAKER IMPEDANCE CONFIGURATIONS

Individual speaker or speaker cabinet wiring examples.



DRIVER PRECAUTIONS

Be advised of the following conditions to protect your speaker system: 1) DO NOT EXCEED THE POWER RATING marked on the rear connect plate (Carvin systems are conservatively rated allowing occasional peak power above the normal rating. However, excessive power will destroy the drivers). 2) WATER, MOISTURE, and DUST are harmful to drivers causing failure that is not covered under warranty.

WARRANTY

CARVIN loudspeakers are covered by a ONE year limited warranty. Warranty coverage is limited to original manufacturing 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.

WARRANTY REPAIRS

To help reduce shipping costs, defective drivers can be removed from the enclosure. Return pre-paid by UPS. Include your address and detailed description of the problem. Your driver will be returned COD for the cost of shipping and reconditioning if the problem is not covered under warranty.

EXTENDED WARRANTY

Before your warranty expires, you may purchase an EXTENDED WARRANTY. Call 800-854-2235 for details.

MODEL 412 (T & B) SPEAKER SYSTEM SPECS:

Frequency Response:	75 to 7.5k Hz
Drivers:	Four VL12 Vintage Series 12" Speakers
Power Handling:	400 watts
Mode Switch:	Mono/Stereo
Coverage Angles:	90° Horizontal, 45° Vertical
Nominal Impedance:	Mono 8Ω Stereo 4/4Ω
Input Connectors:	One XLR & One 1/4" Phone Connector
Output Connectors:	One XLR & One 1/4" Phone Connector
Woofer Enclosure Type:	Closed Box
Enclosure Covering:	Black vinyl
Dimensions:	30"W x 14"D x 30"H
Warranty:	One Year, Extended Warranty available
Options:	Cables: PH8 or XP6 , Covers: Top, CVS412T , Bottom, CVS412B



toll free: (800)854-2235