



Congratulations on your selection of the 1584 loudspeaker. The 1584 vented, 400 watt 3-way speaker enclosure will exceed the power and output of the competition and it will sound better because of its superior design featuring a computer optimized cabinet, advanced C1584 crossover, and the Pro Series speaker components. We realize that for a loudspeaker to sound its finest, it must be a system of precisely aligned components. With our matched 15" woofer, 8" midrange and titanium horn, the 1584 is an outstanding system for a vast array of applications ranging from clubs to outdoor use.

**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.

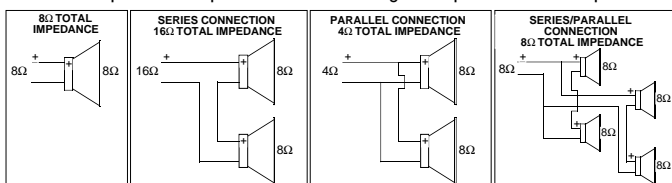
RECORD THE SERIAL NUMBER on the enclosed warranty card or below on this manual for your records. Keep your portion of the card and return the portion with your name and comments to us.

**SUGGESTIONS FOR OPTIMAL PERFORMANCE**

Raise the enclosure to the ear level of your audience for greater coverage. To help control feedback, use a graphic equalizer. Keep the speakers in front of the microphone. Never direct the microphone towards the speaker. For greater coverage, add a second speaker system 20° to 30° off axis.

**TYPICAL LOUDSPEAKER IMPEDANCE CONFIGURATIONS**

Individual speaker or speaker cabinet wiring examples for total impedance.



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

Serial No. \_\_\_\_\_ Invoice Date \_\_\_\_\_

**REAR CONNECT PLATE**

Two standard 1/4" phone jacks and two Speakon™ connectors are featured. See other side for hookup diagrams.



**SPEAKER CABLES**

Our standard cable for speaker hookups is the PH50. This cable features 1/4" plugs and 16 gauge copper wire. The PH50 is adequate for lengths up to 50' under normal use. 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*.

Our professional SPK25, SPK50 & SPK100 cables feature Speakon™ lock-on connectors with heavy 4 conductor 12 gauge copper wire. These cables are to be connected in the same way as the PH50 with compatible amps.

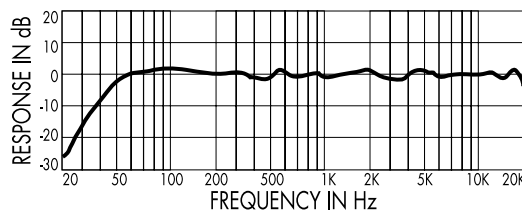
**PRECAUTIONS**

- 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. When returning defective driver(s), remove them from the enclosure to reduce shipping costs. DO NOT stuff paper into the driver(s). Return pre-paid by UPS. Include your address and description of the problem. Your driver(s) will be returned COD for the cost of shipping and reconditioning if not covered under warranty.

**1584 FREQUENCY RESPONSE**



**MODEL 1584 SPEAKER SYSTEM SPECS:**

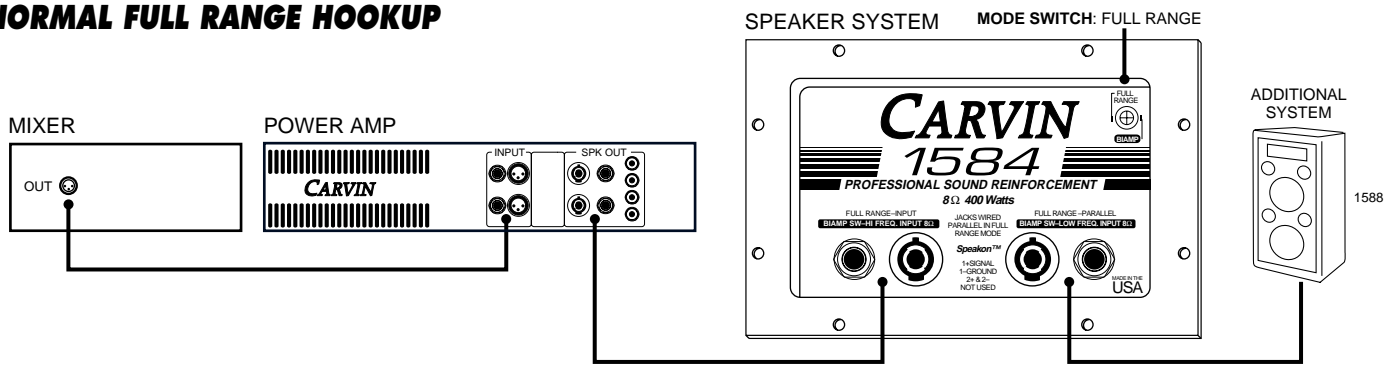
- Frequency Response:** 50 Hz to 19 kHz ±3 dB
- Useable Low Frequency Bandwidth:** 38 Hz (-10 dB)
- Power Handling:** 400 watts Continuous Program Power
- Recommended Amp:** 75 to 600 watts
- Sensitivity:** 100 dB SPL, 1 Watt @ 1 meter
- Coverage Angles:** 90° Horizontal, 45° Vertical
- Nominal Impedance:** 8Ω
- Crossover Type:** C1584 Constant Voltage
- Input & Output Connectors:** Two 1/4", two Speakon™
- BIAMP Support:** Yes—Panel Switch
- Horn Driver Protection:** Yes—Exciter Lamp
- Woofer Enclosure Type:** Vented Box
- Enclosure Covering:** Black Duratuff™
- Dim/Wt:** 22"W x 15.25"D x 31.5"H, 68 lbs.
- Warranty:** One Year, Extended Warranty available
- Optional Cables:** PH50, SPK25, SPK50, SPK100
- Optional Vinyl Cover:** CVS1584



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# HOOKUP DIAGRAMS

## NORMAL FULL RANGE HOOKUP



## BI-AMP HOOKUP

