

# CARVIN

## 1210 Horn Loaded Midrange Speaker System

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The 1210 was designed as the midrange system for our Tri-amp component speaker system. Two 10" drivers are used in a horn loaded enclosure to create a highly efficient midrange subsystem with exceptional midrange clarity and 400 watts of power handling capacity. The 1210 can be combined (in singles or in arrays) with the 3018 folded Horn Woofer and the R560 Radial Horn to create custom Tri-Amped concert sound systems.



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## • COMPONENTS

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The 1210 Midrange system provides excellent midrange coverage through the use of two **PS10** drivers in a horn loaded enclosure. The system has a power handling capability of 400 watts and is recommended for use over the range from 150 Hz to 2 kHz.

## • HOOK UP

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Hook up is as simple as plugging in a non-shielded cable with a 1/4" phone plug into the input jack located on the input connector plate. **DO NOT use shielded cable as it may cause serious damage to the amp.** All power should be turned off while connecting to prevent damage. The second input jack provides a parallel output allowing you to hook up other speaker systems. CAUTION: Your load impedance will be reduced by half if you add another speaker of the same impedance. **DO NOT daisy-chain more than two systems because of the limited power capacity of the main feed cable .**

## • TRI-AMPING

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Substantially more clean output can be attained by the use of tri-amping. Three power amp channels and one three-way electronic crossover are required. One amp is used for driving the woofer, one for the midrange, and one for the tweeter.

## • PRECAUTIONS

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This system will give exceptional performance with years of service, providing the operator does not abuse the system. Please be advised of the following caution areas: 1) **DO NOT EXCEED THE POWER HANDLING CAPACITY.** 2) **KEEP THE SPEAKER AWAY FROM DAMAGING AGENTS** - such as water, moisture, dust and intense heat, as such damage to the speakers is not covered under warranty.

## • WARRANTY

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Your speakers are covered by a ONE year limited warranty. This covers only defects that may have occurred during manufacturing. **IT DOES NOT COVER:** 1) Opened or burned voice coils. 2) Torn cones or frames caused by improper packing or abuse. 3) Damage from rain, moisture, etc.

## • RETURN FOR REPAIR

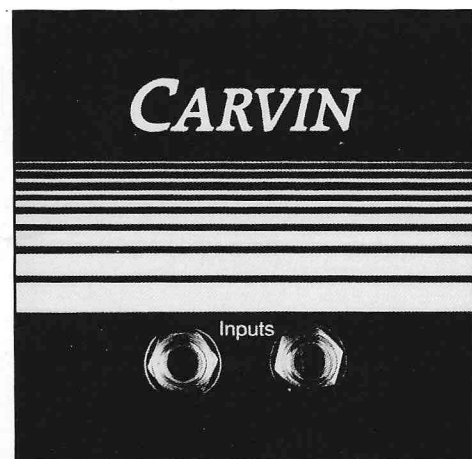
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Any defective speakers/drivers should be removed from the enclosure and returned directly to Carvin. If your speaker(s) have been damaged, there will be a re-coning fee. We advise placing the speakers on a 1/4" piece of plywood when returning. DO NOT stuff paper into the speaker as it will damage the cone. Ship PREPAID by UPS. Include your address and description of the

problem. Your speaker will be returned COD for the cost of shipping and re-coning. Allow 2 to 4 weeks for processing.

## MODEL 1210 MIDRANGE SYSTEM TECHNICAL SPECIFICATIONS:

Frequency Response:	80Hz to 3 kHz $\pm$ 3dB
Useable Low Frequency Bandwidth:	50 Hz (-10 dB)
Power Handling:	400 Watts Continuous Program Power
Sensitivity:	103 dB SPL, 1Watt @ 1 meter
Coverage Angles:	100° Horizontal, 50° Vertical
Nominal Impedance:	4 $\Omega$
Transducer Components:	2 x PS10
Recommended Crossover Frequencies:	50 Hz, 2 kHz
Connectors:	Two 1/4" Jacks (parallel)
Enclosure Type:	Horn Loaded, Closed Box
Enclosure Covering:	OZITE™ (Charcoal Color)
Dimensions:	28" W x 19"D x 23"H
Weight:	85 lbs .



Connector Plate

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