



CARVIN TR1503 Speaker System Instructions

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CARVIN

CARVIN TR1503 Speaker System



Product Information

CARVIN ENGINEERING DATA TR1 5 0 3 SPEAKER SYSTEM

Specifications:

- **Rear Connect Plate:** Two standard 1/4" phone jacks and two Speakon™ connectors
- **Frequency Response:** TR1503

Receiving Inspection:

- Inspect your speaker for any damage that may have occurred during shipping. If any damage is found, please notify the shipping company and CARVIN.
- Save the carton and 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.

Suggestions for Optimal Performance

Typical Loudspeaker Impedance Configurations:

Individual speaker or speaker cabinet wiring examples for total impedance:

- **Series Connection:** 8 total impedance (+8, +8, +8, 16)
- **Parallel Connection:** 4 total impedance (+4, +8)
- **Series/Parallel Connection:** 8 total impedance (+8, +8, +8, +8, +8, +8, +8)

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 its 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 manufacturer's 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.

TR1503 Frequency Response:

FAQ:

1. Q: What should I do if I find damage to my speaker?

A: If any damage is found, please notify the shipping company and CARVIN.

2. Q: What cables should I use for speaker hookups?

A: Our standard cable for speaker hookups is the PH50, which features 1/4" plugs and 16 gauge copper wire. For professional use, we recommend our SPK25, SPK50 & SPK100 cables with Speakon™ lock-on connectors and heavy 4 conductor 12 gauge copper wire.

3. Q: What precautions should I take when using the speaker?

A: Do not exceed the power rating marked on the rear connect plate. Excessive power and distortion from power amps can destroy drivers. Additionally, avoid exposing the speaker to water, moisture, and dust as they can cause failure.

4. Q: What is covered under the warranty?

A: CARVIN loudspeakers are covered by a ONE year limited warranty for original manufacturer's defects. However, the warranty does not cover opened or burned voice coils, torn cones caused by improper packing or abuse, and damage from rain, moisture, etc.

CARVIN ENGINEERING DATA

TR1503 SPEAKER SYSTEM INSTRUCTIONS

- Congratulations on your selection of the 1503 loudspeaker. As one of the finest speaker systems made, the TR1503 will reproduce your music with the purest, most natural sound available. The high powered titanium horn and 8" midrange drivers maintain faithful, clean response even under the most stressful, intense power levels. The computer-aided tuned-ported enclosures offer the best frequency response possible from the heavy-duty cast frame 15" woofer. The featured Trapezoid enclosure offers a 15° angle off-set on each side for you to stack or hang the enclosures together creating full, gapless coverage. Hookups are easy too, with either 1/4" jacks or professional Speakon™ connectors as a Bi amp or full-range system. We recommend our 18' TR1801 sub-woofer system if you require more bass.

RECEIVING INSPECTION

- INSPECT YOUR SPEAKER FOR ANY DAMAGE which may have occurred during shipping. If any damage is

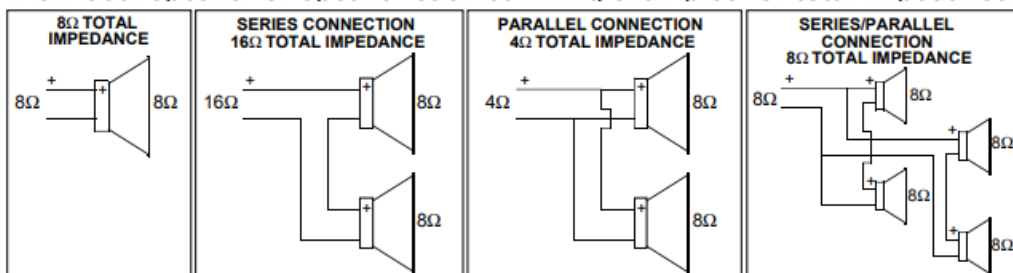
found, please notify the shipping company & CARVIN.

- **SAVE THE CARTON & ALL PACKING MATERIALS.** In the event you have to reship 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.

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 _____

76-01503 0298

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

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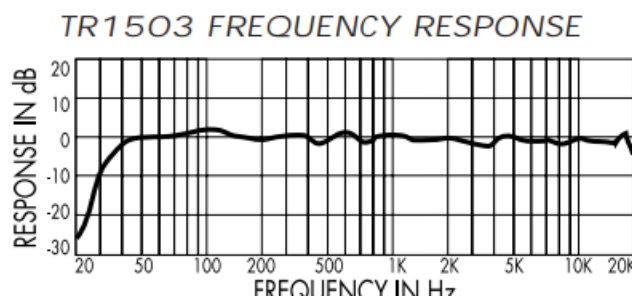
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PRECAUTIONS

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WARRANTY

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- 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.



MODEL TR1503 SPEAKER SYSTEM SPECS:

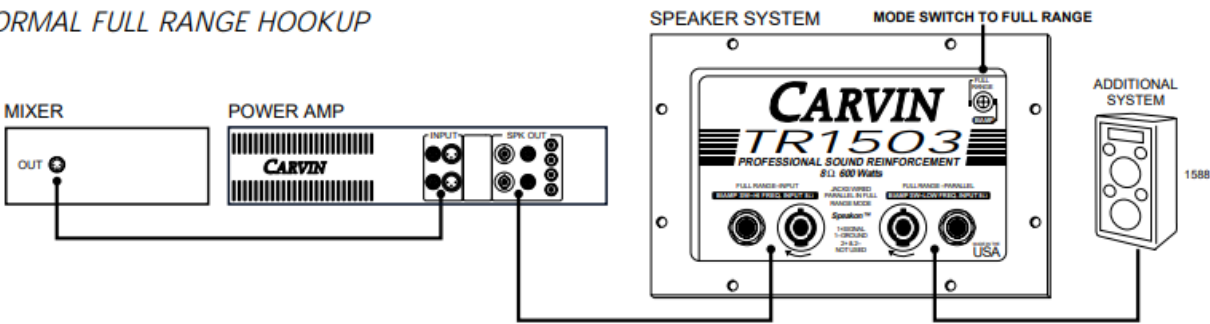
- **Frequency Response:** 48 Hz to 19 kHz ± 3 dB
- **Useable Low Frequency:** 36 Hz (-10 dB)
- **Power Handling:** 600w Continuous Program Pw
- **Recommended Amp:** 100 to 1200 watts
- **Sensitivity:** 103 dB SPL, 1 Watt @ 1 meter
- **Coverage Angles:** 90° Horizontal, 45° Vertical
- **Nominal Impedance:** 8½
- **Crossover Type:** C1503 Constant Voltage
- **Inputs/Outputs:** Two 1/4", two Speakon™
- **Bi-Amp Support:** Yes—Panel Switch
- **Horn Driver Protection:** Yes
- **Woofer Enclosure Type:** Vented Box

- **Enclosure Covering:** Black Duratuff II™
- Dim/Wt: 24"W x 18.75"D x 36.75"H, 88lbs.
- **Optional Cables:** PH50, SPK25, SPK50, SPK100
- **Optional Vinyl Cover:** CVS1518

12340 World Trade Drive, San Diego, CA 92128 (619) 487-1600 (800) 854-2235 www.carvin.com

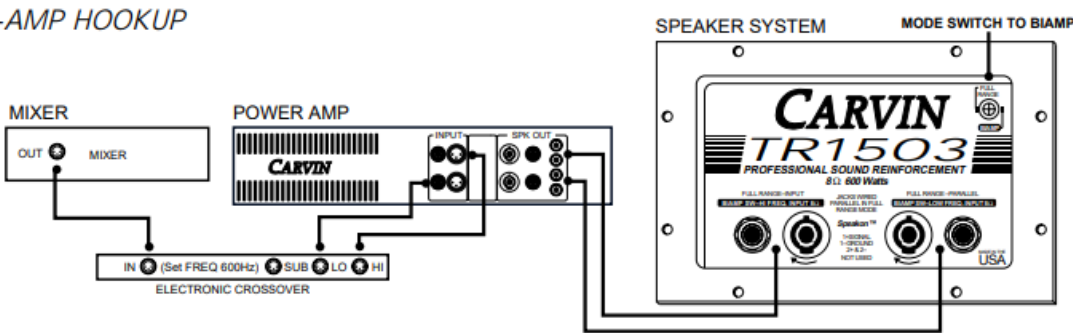
HOOKUP DIAGRAMS

NORMAL FULL RANGE HOOKUP




BI-AMP HOOKUP



BI-AMP HOOKUP



Documents / Resources

	<p>CARVIN TR1503 Speaker System [pdf] Instructions TR1503, TR1503 Speaker System, Speaker System, System</p>
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References

-  [Carvin Audio Great Sounding Gear For Musicians and Sound Professionals](#)
-  [Manual-Hub.com - Free PDF manuals!](#)
- [User Manual](#)

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