



# CARVIN TRx3900F Column Array Speakers User Manual

[Home](#) » [CARVIN](#) » CARVIN TRx3900F Column Array Speakers User Manual 

## Contents

- [1 CARVIN TRx3900F Column Array Speakers](#)
- [2 Product Information: TRx3900F Column Array](#)
- [3 Specifications](#)
- [4 Product Usage Instructions](#)
- [5 CARVIN ENGINEERING DATA](#)
- [6 FEATURES](#)
- [7 APPLICATION](#)
- [8 SPECIFICATIONS CONFIGURATION](#)
- [9 LIMITED WARRANTY](#)
- [10 Documents / Resources](#)
  - [10.1 References](#)
- [11 Related Posts](#)



**CARVIN TRx3900F Column Array Speakers**



## Product Information: TRx3900F Column Array

The TRx3900F Column Array is a high-output, passive sound reinforcement loudspeaker designed for all genres of music and venues, ranging from small to large events. Equipped with 9 Carvin Audio 3.5-inch transducers, it delivers enhanced coverage with superb fidelity. The Constant Delivery Dispersion (CDD) technology projects to the rear of the venue while averaging levels up front, and its wide vertical dispersion substantially minimizes feedback in reverberant environments. The TRx3900F is powered by the TRx3118A subwoofer, delivering 1000W, 500W into each TRx3900F, or by your own amplifier system. The tour-grade enclosure features multi-ply hardwood for the integrity of the cabinet while the DuraTec finish, a polyurethane outer skin, provides UV and moisture protection. Projecting far into your audience, the TRx3900F delivers the most pleasant, unfatigued listening experience and offers high intelligibility from a compact column.

## Specifications

- **Configuration:** Column Array, Passive
- **CDD Technology** – Constant Delivery Dispersion
- **Transducers:** CARVIN AUDIO – PS3.5-8 9 x 3.5-Inch
- **Application:** Vertical Array Speaker System
- **Impedance:** 8 Ohms
- **Power Handling:** 200W Continuous / 400W Program / 800W Peak
- **Recommended Crossover Frequency:** 110Hz
- **External Crossover Required:** Yes, 24dB/oct
- **Dimensions:** 36" x 4.5" x 4.75" (H x W x D)
- **Weight:** 22 lbs

## Product Usage Instructions

The TRx3900F Column Array can be used in a variety of settings, from small to large events. Here are some instructions for using the product:

1. Connect the TRx3900F to the TRx3118A subwoofer or your own amplifier system using an external crossover with a recommended crossover frequency of 110Hz.

2. Set up the TRx3900F at a desired angle using the flyware bracket or as an installation mounting point.
3. Avoid attempting to reproduce frequencies below 110Hz, as this may damage the product and void its warranty.
4. Adjust the volume to a suitable level for your event.
5. Enjoy the high-output, enhanced coverage, and superb fidelity of the TRx3900F Column Array!

**Note:** Retain proof of purchase, as the product is guaranteed in normal use to be free from mechanical defects for a period of three years from the date of purchase.

## **CARVIN ENGINEERING DATA**

### **TRC ACTIVE COLUMN ARRAY SYSTEMS**

#### **TRx3900F COLUMN ARRAY**

The TRx3900F Column Array is a high output, easy to carry sound reinforcement loudspeaker providing enhanced coverage with superb fidelity. Exclusively equipped with 9 Carvin Audio 3.5-inch transducers, it's designed for all genres of music and venues, ranging from small to large events. The Constant Delivery Dispersion "CDD™" projects to the rear of the venue while averaging levels up front and its wide 120° dispersion covers larger audiences. The 10° vertical dispersion substantially minimizes feedback in reverberant environments. The TRx3900F power is supplied by the TRx3118A subwoofer delivering 1000W, 500W into each TRx3900F, or by your own amplifier system. The tour-grade enclosure features multi-ply hardwood for the integrity of the cabinet while the DuraTec™ finish, a polyurethane outer skin, provides UV and moisture protection. Projecting far into your audience, the TRx3900F delivers the most pleasant, unfatigued listening experience, and offers high intelligibility from a compact column.

## **FEATURES**

- High output column array
- Premium Carvin Audio 3.5-Inch transducers
- CDD™ Constant Delivery Dispersion
- Wide 120° Horizontal Coverage
- Lightweight – easy to carry, 23 lbs.
- Includes one 12ga twist lock connecting cable
- Optional Carrying Bag – CB3900

## **APPLICATION**

- Premium live sound reinforcement
- Tour Ready
- Small to large events



## SPECIFICATIONS CONFIGURATION

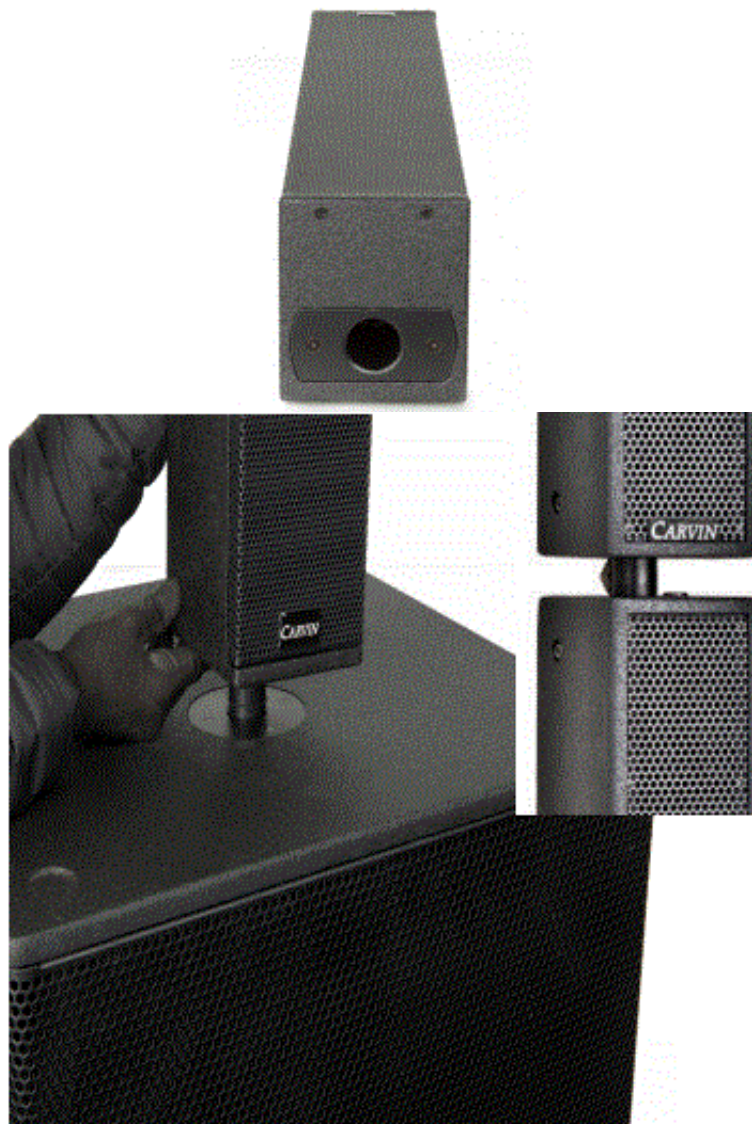
- **System Design:** Column Array, Passive  
CDD™ Constant Delivery Dispersion
- **Frequency Response:** 110Hz – 18kHz
- **Crossover Required:** 110Hz 24dB/Oct HI PASS
- **Maximum SPL:** 126dB continuous, 129dB peak
- **Power Handling:** 200W continuous, 800W peak
- **Impedance:** 8Ω
- **Connectors:** 2 2-Conductor Twist Lock, IN-THRU

## TRANSDUCERS

- **Manufacture:** CARVIN AUDIO – PS3.5-8
- **Transducers:** 9 x 3.5-Inch

## ENCLOSURE

- **Horizontal/Vertical Dispersion:** 120°/10°
- **Construction Material:** Multi-Ply Hardwood
- **Finish:** DuraTec™ polyurethane
- **Grill:** Black powder coated steel with cloth backing
- **Enclosure Protection:** Moisture/UV
- **Transport:** 1 recessed handle
- **Standard Pole Mount:** 1 3/8-in cup
- **Fly Points:** Eight M10-1.5 thread
- **Swivel Bracket Mount:** Four M6-1.0 thread
- **Flyware Brackets Available:** 3900UB, 3900PB, 3900SB
- **Dimensions (W x D x H):** 5"W x 5.5"D x 35"H
- **Weight:** 25 lbs.



- Secure the TRx3900F using the included SS7 speaker pole adapter with M20 thread.
- Connect the top TRx3900F to the bottom TRx3900F using the included SS7 speaker pole adapter



## FLYWARE



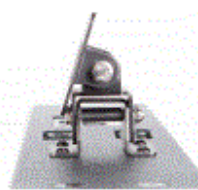
» 3900SB



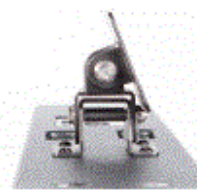
27° Upward Tilt



27° Downward Tilt

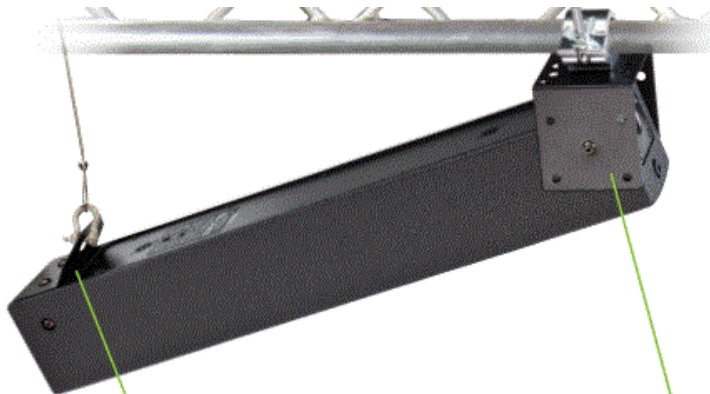


67° Left Swivel

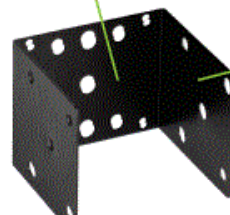


67° Right Swivel

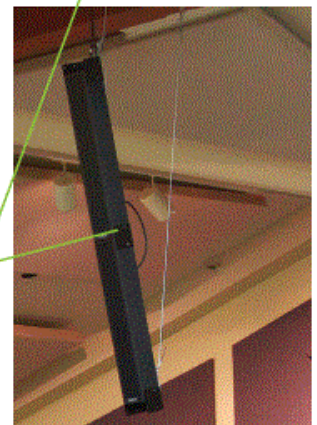
- Use the optional 3900SB Swivel bracket to mount a single TRx3900F. This bracket allows for 27° of tilt vertically in both directions. The left to right travel is 67° in both directions.



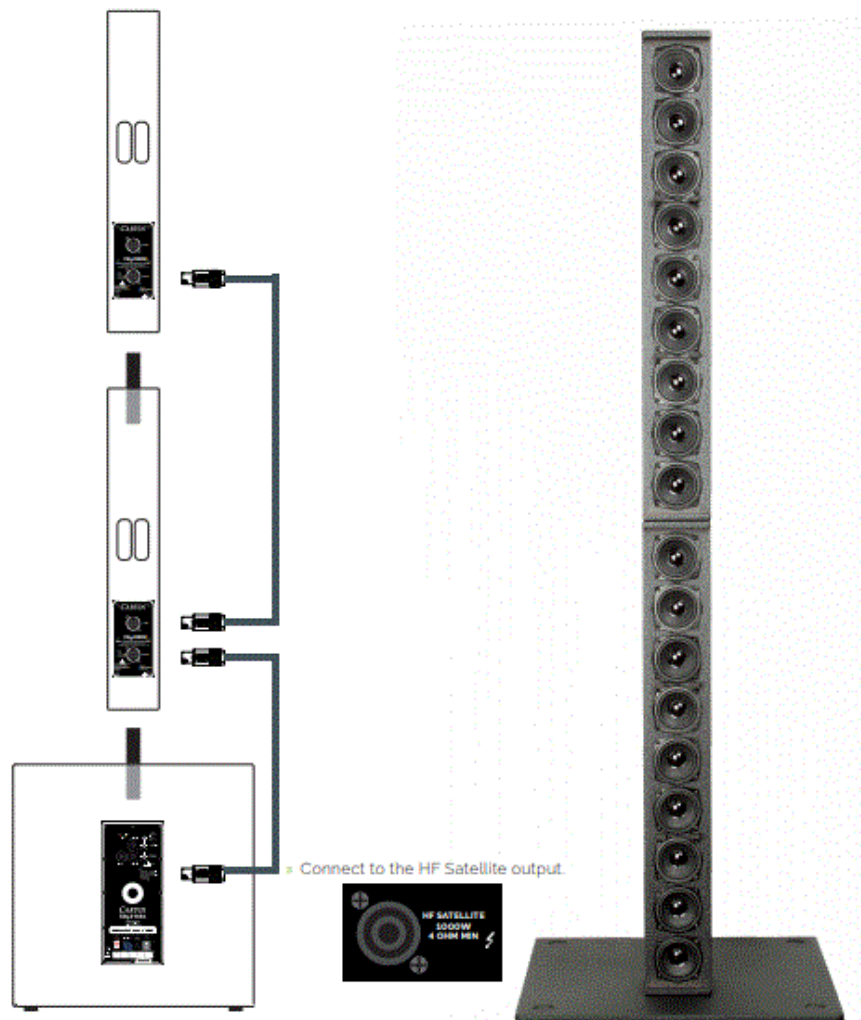
» 3900PB



» 3900UB



- Use the optional 3900PB pull back bracket to attach a steel cable (not included) to “pull back” the TRx3900F for the desired angle.
- Use the optional 3900UB U bracket to connect together two TRx3900F column array speakers. This bracket is also used as an installation mounting point.




## LIMITED WARRANTY

This CARVIN AUDIO product is guaranteed in normal use to be free from mechanical defects for a period of three years from date of purchase. Retain proof of purchase. This warranty is in lieu of any and all other guarantees or warranties, expressed or implied. There shall be no recovery for any consequential or incidental damages.

[carvinaudio.com](http://carvinaudio.com)

## Documents / Resources

 <p>CARVIN AUDIO</p> <p>TRx3900F COLUMN ARRAY ELEMENT</p>	<p><a href="#">CARVIN TRx3900F Column Array Speakers</a> [pdf] User Manual TRx3900F Column Array Speakers, TRx3900F, Column Array Speakers, Array Speakers</p>
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## References

- [Carvin Audio Great Sounding Gear For Musicians and Sound Professionals](#)