

**CARVIN**  
audio



**TRx** SERIES

ACTIVE COLUMN ARRAY SYSTEMS

INTRODUCTION

Carvin Audio's TRC SYSTEMS are our finest sound systems, offering high SPL levels that project up to 400' with exceptional clarity. Unsurpassed high frequency and deep bass response will place the audience in the center of your performance.

SYSTEMS AVAILABLE

- TRC200A** 2000W 1 TRx3118A sub, 1 TRx3900F column pair
- TRC400A** 4000W 2 TRx3118A subs, 2 TRx3900F column pairs
- TRC600A** 8000W 4 TRx3118A subs, 2 TRx3900F column pairs

TRC APPLICATIONS

- » Small to large venues
- » Coffee Shops
- » Rock Bands
- » DJ shows
- » Conferences
- » Modular design for expansion

TRX3900F HF TOP ENCLOSURE

- » 9 3.5" drivers deliver exceptional levels from a single enclosure
- » Projection up to 400' from 2 TRx3900F stacked
- » CDD™ Constant Delivery Dispersion technology eliminates front row blare & feedback
- » Wide 120° horizontal coverage
- » Requires fewer loudspeakers for the same coverage

TRX3118A ACTIVE SUBWOOFER

- » Bass Reflex design delivers a loud 131dB
- » High-efficient, high power TS18C woofer
- » 2000w CLASS D amplifiers for sub & tops
- » High current, lightweight switching power supply
- » DSP processing by Analog Devices™

FEATURES

- » Expandable
- » Tour grade
- » Portable
- » Multi-ply hardwood enclosures
- » DuraTec™ water resistant outer skin
- » Premium transducers



Prius transporting a TRC400A system



TRC200A



TRC400A



TRC600A



## TRX3118A SUBWOOFER

The TRx3118A is an active compact subwoofer that extends the low frequency to 37 Hz providing exceptional impact for any sound system. The high excursion TS18C 18-inch cone and 4-inch (100mm) voice coil produces tremendous force from the direct radiating, ported bass reflex design. The high 131 SPL capacity and powerful bass projection make this an ideal subwoofer for portable live sound applications and installations. Simple setups are done through 4 presets for LIVE, PLAYBACK, SPEECH and SUB ONLY. Everything is managed by the Analog Devices™ DSP to maintain high headroom, distortion-free performances. The amplifiers deliver 2000W, 1000W for the 18-inch sub and 1000W for the HF SATELLITE output for the TRx3900F column arrays through a twist-lock connector. The tour-grade enclosure features multiply hardwood for the integrity of the cabinet while the DuraTec™, a polyurethane outer skin, provides UV and moisture protection. The TS18C woofer is guarded by the heavy-duty powder coated perforated steel grill and protective cloth backing. Recessed handles are center balanced for easy deployment.



TRx3118A



## FEATURES

- » Active 18" Subwoofer
- » High Output Bass Reflex Design
- » Premium Carvin Audio TS18C Transducer
- » Long-Excursion 4-Inch (100mm) Voice Coil
- » High Headroom Amplification
- » 2000W (1000W internal & 1000W HF satellite )
- » Optional CV3118A Cover

## APPLICATION

- » Premium live sound reinforcement
- » Touring or fixed installations
- » Small to large events

## TRx3118A SPECIFICATIONS

- » System Type: 18-inch Subwoofer, Active Bass Reflex
- » Frequency Response: 37Hz - 200Hz
- » Power : 2000W Program (1000W subwoofer, 1000W HF)
- » Coverage Pattern: Omni
- » Maximum SPL: 131dB
- » LF: TS18C-4 18-Inch Woofer 4Ω - 100MM (4-in) Voicecoil
- » HF Satellite Output: 4Ω
- » Enclosure: Premium Multi-Ply Hardwood
- » Finish: Black DuraTec™
- » Grill: Black powder coated 16-ga steel with cloth backing
- » Transport: 2 Recessed handles
- » Pole Mount: Standard M20 threaded base
- » Suspension points: No
- » AC Mains Input: 115V-230V (50-60Hz)
- » Net Weight: 75lbs (34kg)
- » Dimensions: 23.6"W x 23"D x 21.2"H





- » 1. System LED indicators. The red Power LED shows the user that the system is powered on. The green Signal LED indicates that an audio signal is present in the system. The yellow Limiter LED indicates that the DSP limiter is engaged and is protecting the amplifier and speakers from overpowering.
- » 2. DSP PRESETS. Choose from four different DSP settings depending on the use of the system. LIVE preset is designed for live shows, giving the engineer an uncolored platform to create the perfect mix regardless of the genre. PLAYBACK/DJ preset is a contoured setting to accommodate recorded playback music. SPEECH preset has a 100Hz high pass filter and is designed to reduce rumble and increase intelligibility. SUB ONLY 80Hz preset has a 80Hz low pass filter and is designed for when it will be used as a subwoofer only. The HF Satellite output is turned off in this mode.
- » 3. HF SATELLITE LEVEL. Volume level for the high frequency output.
- » 4. CH1/CH2 LINE IN & LINE OUT THRU. These combo XLR jacks are the audio inputs for CH1 and CH2. The input will accept both XLR and 1/4-inch instrument cables. The LINE OUT THRU XLR output allows the user to send audio out to another column system or powered speaker in the sound system. The THRU audio output contains signals from CH1 LINE IN and CH2 LINE IN. This signal does not contain any DSP processing from the preamp.
- » 5. SUBWOOFER LEVEL. Volume level for the subwoofer.
- » 6. SENSITIVITY. When the button is depressed, +20dB of gain is added to the CH2 LINE IN input. With the button in the out position, unity gain is activated.
- » 7. SATELLITE SPEAKER. Connect the TRx3900F column array module or other passive speaker to this output using a twist lock 2 conductor cable. Minimum speaker impedance is 4ohms.
- » 8. COOLING FAN. The variable speed cooling fan is designed to turn on ONLY when thermal conditions in the amplifier rise above the normal operating temperature. DO NOT BLOCK THE FAN VENT.
- » 9. FUSE. 15A for 115VAC and 10A for 230VAC
- » 10. POWER. Turns the TRx3118A ON and OFF.
- » 11. AC IN. The TRx3118A accepts 115-230VAC using the included powercon cable.
- » 12. VOLTAGE SELECTOR. The TRx3118A operates with either 115VAC or 230VAC. Select the correct voltage setting before turning on the TRx3118A. The incorrect setting will damage the unit and void the warranty.





» Secure the TRx3900F using the included SS7 speaker pole adapter.



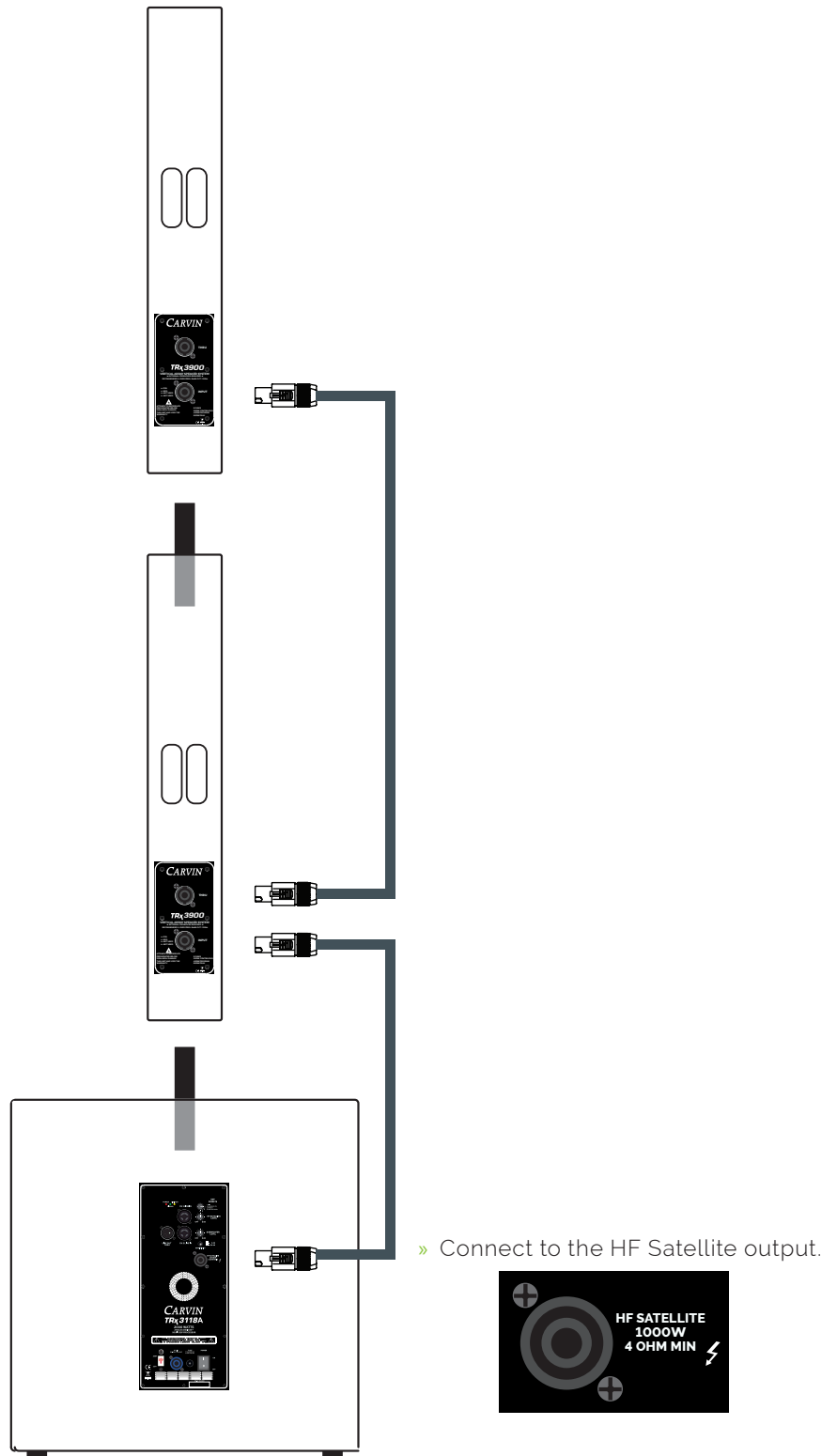
TRC400A

SYSTEM CONFIGURATIONS



TRC200A

TRC600A



### LIMITED WARRANTY

This CARVIN AUDIO product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year (electronics) and three years (loudspeakers and speaker cabinet) 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.

**CARVIN**  
audio



**TRx** 3900F

COLUMN ARRAY ELEMENT



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



TRx3900F

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

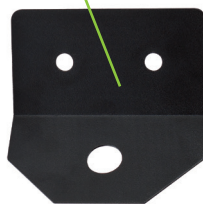


67° Right Swivel

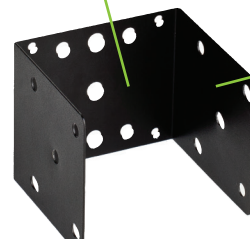
- » Use the optional 3900SB Swivel bracket to mount a **single** TRx3900F. This bracket allows for 27° of tilt vertically in both directions. The left to right travel is 67° in both directions.



» 3900PB

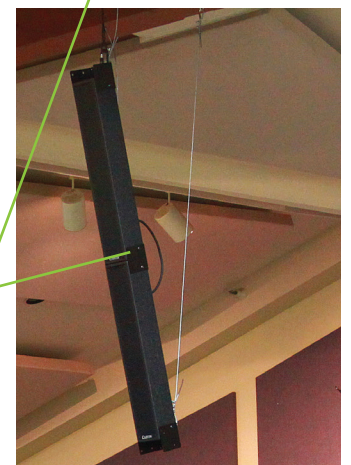


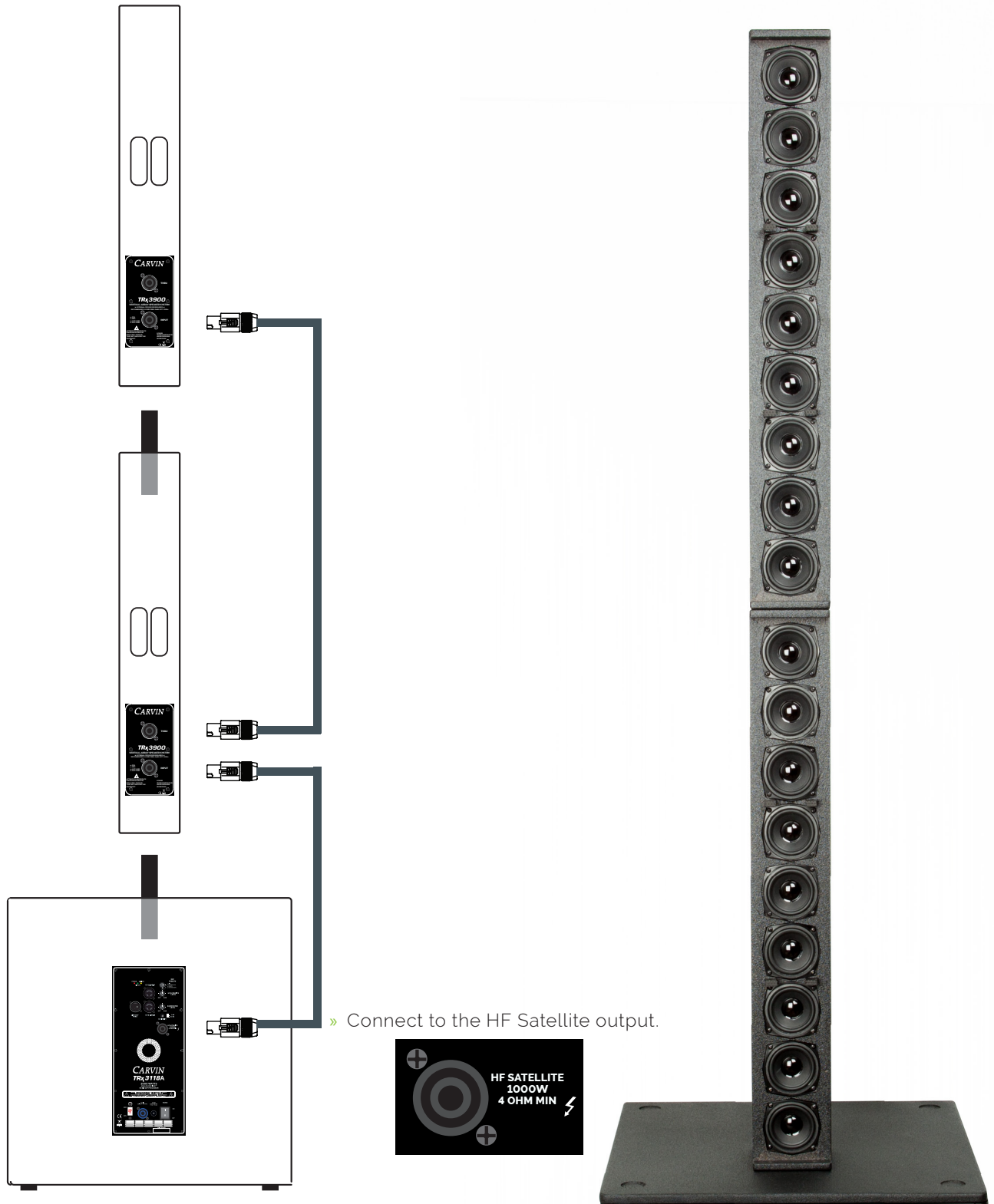
- » Use the optional 3900PB pull back bracket to attach a steel cable (not included) to 'pull back' the TRx3900F for the desired angle.



» 3900UB

- » 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.