



# TRx3810A-VELA

Active Link Extendable Vertical Array

**TRx**  
3000 SERIES

## Benefits

- ◆ Scale system to venue - Hang up to four, Stack two, or Pole mount one
- ◆ Superior line array performance with less cabinets
- ◆ Ease of use with internal power amps, preset digital processing and SlideLock™ flyware

## Features

- ◆ Active 2500W DSP Bi-amp module
- ◆ SlideLock™ flyware and Stacking
- ◆ Two heavy-duty 10-inch Neo woofers
- ◆ Eight high output 3.5-inch Column drivers

## Applications

- ◆ Medium-to-large theaters and clubs
- ◆ Outdoor concerts, street festivals and theme parks
- ◆ House of worship
- ◆ Rental companies, bands and DJ's

## Description

The **TRx3810A - VELA** is the go-to cabinet for small to large scale sound systems. As a key component to large scale systems, the VELA is just as at home at smaller events with one speaker on a stand. These long, thin cabinets are designed to link together extending the vertical array, with just a few cabinets, providing powerful full spectrum line array output. The VELA is a full range stand-alone system. For extended sub bass requirements in smaller venues using one or a stacked pair of VELA elements, add one or more TRx3018A single 18-inch subwoofers. For larger venues flying three to four VELA elements, add several TRx2218b, TRx2218A or TRx3218 dual 18-inch subwoofers as needed.

The **VELA** element brings powerful line and column array technology to many event sizes. The single element is an 8 driver column array with two neodymium 10-inch drivers for a full range system. With VELA's unique SlideLock™ hardware the cabinets slide together and pin lock for an easy, quick, and solid setup. A pole mount is provided for a single cabinet to be put on a stand. A single cabinet benefits from the mid/high frequency column throwing highs and upper mid frequencies further than a conventional pole mounted cabinet. When two cabinets are linked the column array extends to the dual 10-inch drivers adding mid frequencies to the column projection. In a 4 cabinet hang, the line array extends to over ten feet in length. Here the 10-inch drivers are in full array effect down to under 200Hz, connecting smoothly to subwoofers set at 85Hz. It would require up to 10 conventional line array cabinets to get to this length of an array. Using only four conventional line array cabinets the line array effect drops out below 400Hz, working the system harder and lowering critical low-mid frequency headroom. The VELA system advantage produces fuller audio spectrum array projection, with fewer cabinets required.

Equip your company with VELA and get superior array performance with easy deployment.



SlideLock™ Hardware



## Specifications

<b>System Type:</b>	Active Vertical Array Dual 10-inch Bass Reflex
<b>Freq. Response:</b>	60 Hz – 16kHz (-10dB) 70 Hz – 14 kHz (-3dB)
<b>Coverage Pattern:</b>	100H x 30V Single cabinet
<b>Crossover:</b>	Active DSP Bi-amp
<b>DSP Contours:</b>	One and Two cabinet programs with: Live 1, Live 2, Playback 1, Playback 2 3-4 cabinet program
<b>Crossover Freq.</b>	400 Hz
<b>Power:</b>	2500W 20ms burst (2000W, 500W) 1600W RMS (1250W, 350W)
<b>Input Sensitivity:</b>	1.0, 1.2, 1.4, or 2.0 Vrms settings
<b>Max Input signal:</b>	+12dBu
<b>Maximum SPL:</b>	129dB single
<b>LF Driver:</b>	2x 10-inch Neodymium 2.5-inch voice coil
<b>MF/HF Driver:</b>	8x 3.5-inch
<b>Enclosure:</b>	Premium Russian Baltic Birch
<b>Suspension:</b>	12 captive 3/8in-16 nut fly pts. SlideLock™ rigging One 1-3/8 pole cup.
<b>Finish:</b>	Black Duratec™
<b>Transport:</b>	2 Recessed Handles
<b>Grill:</b>	Black powder coated steel Acoustically Transparent Foam Backing
<b>Connectors:</b>	Signal In/Thru: XLR female/XLR male AC IN/OUT: Locking Neutrik™ PowerCon™
<b>AC Power Req'd:</b>	TRx3810A: 120VAC 50/60Hz 600VA TRx3810A-E: 230VAC 50/60Hz 600VA
<b>Dimensions:</b>	31.875 in x 12in x 14.75in
<b>(H x W x D)</b>	810 mm x 310 mm x 375 mm
<b>Net Wt:</b>	66 lb (30 kg) with Flyware
<b>Accessories:</b>	SlideLockTBar Top-bar kit 3 lb (1.5kg) TCSHK58 5/8" Shackle 1.3 lb (0.5kg)
<b>Origin:</b>	Built in the USA

## SlideLock Rigging



The top and bottom SlideLock plates make it easy to secure the cabinets together and place the pins for a solid connection between cabinets. Up to four cabinets can be hung and rigged using the SlideLock Tbar which uses the same SlideLock plates to connect to the top cabinet. Large holes for 5/8-inch shackles in the top bar allow the hang to be tilted forward or backward to target system to your audience listening area.



## Rear Panel 2500 Watt Active Module

The TRx3810A - VELA active module is a 2500W 3 channel power amp with two channels bridged for the dual 10-inch speakers and the third channel for the eight driver column array. The bullet-proof DCM power amp technology is mounted in a fan ventilated, internally sealed aluminum structure for solid construction and durability.

### Internal Processing

The module includes X-Drive™ DSP processing handling crossover, EQ, and limiting duties. Optimized presets for one cabinet on a pole, two cabinets stacked and 3-4 cabinets hung in a vertical array are factory programmed. All three of these setups have two presets: a full range preset and an external subwoofer preset with a 24dB/oct high pass filter set at 85Hz.

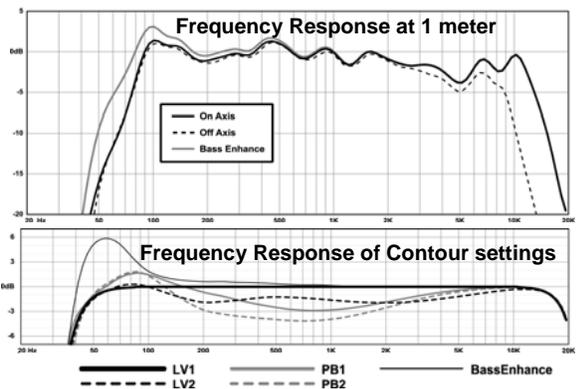
### Four Contours

The single and dual stacked presets have four contour modes: Live 1, Live 2, DJ/Playback 1 and DJ/Playback 2. Each mode has subtle EQ adjustments tailored to optimize the listening experience. Live 1 is the flat setting, providing full spectrum for dynamic live performances. Live 2 has a minor mid cut, for smoother live mixing in smaller venues. DJ/Playback

1 increases the mid cut and boosts the lows, creating a light playback “smile” curve for pre-recorded music. DJ/playback 2 builds upon DJ/playback 1 plus it adds some virtual sub frequencies and a small increase to the “smile” curve.

### Additional Features

From the display you can adjust the input sensitivity, and turn on the bass enhancement. The bass enhancement mode extends the low frequency response down another 15Hz and boosts the 50-80Hz range creating a virtual subwoofer at lower volumes. The bass enhancement is limited to half the normal output volume, so at high output levels the added low frequencies will still be present, but held at lower safe levels. This feature is great for extending the lows without adding subwoofers for smaller shows and events.



## Dimensions

