

2-WAY 12" VOCAL SPOT MONITOR **2-WAY 15" STAGE MONITOR**

- *3 Angles for Application Versatility*
- *Vertical Component Alignment Reduces Feedback Due to Off-Axis Response Irregularities*
- *120dB @ 4 Foot with Rated Input*
- *Controlled Bass Roll-Off for Natural Vocals*
- *H-25 Horn Tweeter with ABS Diffraction Horn Flare for Wide Coverage*
- *HF Auto-Resetting Protection*



SM-12B/15B

The Cerwin-Vega SM-12B and SM-15B professional stage monitors have been designed to do one specific job: to allow performers to hear themselves in balance with the entire live musical program.

With the development of high power professional sound equipment, it isn't unusual to find the sound reinforcement and musical instrument speakers developing sound pressure levels in excess of 115dB at the performer's ear. At those levels, a monitor must be capable of putting out sufficiently higher output if it is going to be heard over the musical instrument program. In short, a monitor not only has to be able to play loud, it has to be capable of playing louder at the performer's ear than all other speakers onstage combined.

That's why Cerwin-Vega has developed a new series of monitors which can cut cleanly through the highest concert sound levels.

Both monitors employ diecast aluminum frame woofers with high temperature voice coil assemblies. The SM-12B vocal spot monitor uses

C-V's high efficiency ER124 12" driver, while the higher output SM-15B utilizes the 3" voice-coil 153EV 15" driver.

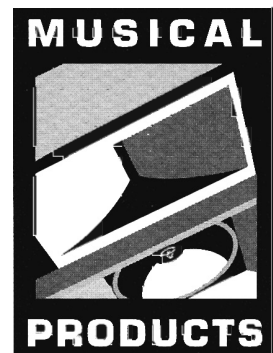
Both systems employ our 120dB SPL H-25 high frequency compression driver/horn which develops high sound pressures in front of the monitor, while allowing off-axis response to slope uniformly. The H-25 features an oversize barium ferrite magnet driving a lightweight 1" phenolic dome and aluminum wire voice coil assembly.

A notable feature of both monitors is their outstanding accuracy, as exemplified by flat frequency response with an absence of peaking in the midrange (resulting in improved resistance to feedback.) Unlike many competing units, vertical component alignment greatly reduces off-axis response irregularities which might also lead to feedback problems.

Bass response has been specifically tailored for accurate vocal reproduction and is essentially flat, (12dB/octave) with smooth and gradual rolloff below 100Hz. Both monitors are capable of producing in

excess of 120dB at one meter with their respective power handling inputs of 100 and 150 watts.

The SM-12B and SM-15B have both been designed with performer in mind. The cabinets are constructed of sturdy laminated plywood, and are finished in durable, indoor/outdoor carpet. Recessed handles are supplied for ease of portability, and a heavy expanded steel grille prevents accidental damage to the drivers. The horn tweeters are fully protected with our exclusive auto-resetting circuit breakers against inadvertent overpowering and feedback. Dual 1/4" phone jacks allow for simple "daisy-



chaining”.

The monitors may be placed with the front baffle in one of three positions relative to the floor for optimum versatility. The tilt angles are 20 degrees for short-throw standing foot monitoring, and also 45 and 55 degrees for medium throw, rear stage throw, and side-fill use.

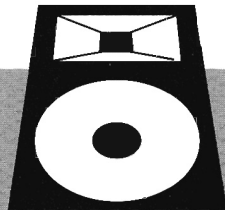
The monitors may also be set on their sides on top of a musical instrument cabinet or other convenient surface. The low monitor silhouettes give maximum visibility of the performer to the audience, and their compact size takes up a minimum of space in a car or van.

Cerwin-Vega’s dedication to product

excellence routinely includes refinements in design, materials, and workmanship. This ongoing process may result in products which differ from those represented in our descriptive literature due to improvements in design, performance, or both.

SM-12B/15B

SPECIFICATIONS



Model:	SM-12B/15B
Useable Frequency Response:	
SM-12B:	70 - 16kHz
SM-15B:	50 - 16kHz
EIA Power Handling Capacity:	
SM-12B:	150 Watts
SM-15B:	200 Watts
1m SPL @ 1W:	
SM-12B:	101dB
SM-15B:	102dB
1m SPL @ Rated Input:	
SM-12B:	121dB
SM-15B:	123dB
Nominal Dispersion (H x V Degrees):	60 x 60
Nominal Impedance:	8 Ohms
Components:	LF: [1] ER124, 12" Cone, 2" VC
SM-12B:	HF: [1] H-25 Diffraction Horn Tweeter
SM-15B:	LF: [1] 153EV, 15" Cone, 3" VC HF: [1] H-25 Diffraction Horn Tweeter
Crossovers:	
SM-12B:	2.5kHz 3 Pole HP, 2.5kHz 2-Pole LP
SM-15B:	3.0kHz 3 Pole HP, 3.0kHz 2-Pole LP
Connections:	[2] 1/4" Phone Jacks
Enclosure:	Sealed, Direct-Radiating, Plywood
Finish & Features:	Indoor/Outdoor Carpet, Handle, Metal Corners, Metal Mesh Grille
Protection & Controls:	HF Auto-Resetting Protection 2-Position Equalizer
Dimensions (H x W x D):	
SM-12B:(cm)	17" x 15" x 12" (43 x 38 x 45.7)
SM-15B:(cm)	19.5" x 17.25 x 20" (49.5 x 44 x 51)
Gross Weight (Packed):	
SM-12B:	30 lbs./ 13.9 kg.
SM-15B:	37 lbs./ 16.8 kg.


Cerwin-Vega!
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DESIGNED, ENGINEERED AND MANUFACTURED IN THE UNITED STATES OF AMERICA