



# ***VEGA***

## ***SUBWOOFER***



**U8DU2/U8DU4/U10DU2/U10DU4/U12DU2  
U12DU4/U15DU2/U15DU4/U65DU2/U65DU4**

# ***MANUAL***

**Cerwin-Vega VEGA subwoofers are engineered for superior bass performance, with cutting-edge design and materials for durability and precision output. VEGA subwoofers deliver deep, impactful bass with minimal distortion, ensuring a high-fidelity listening experience even at extreme volumes. They are our signature line and sound, so you'll hear people proclaim, "That's the VEGAS!"**

**As Dual 2-ohm and Dual 4-ohm configurations with our easy single terminal impedance selector, Cerwin-Vega subwoofers offer flexibility in system design, allowing for optimized impedance matching with various amplifiers for peak performance.**

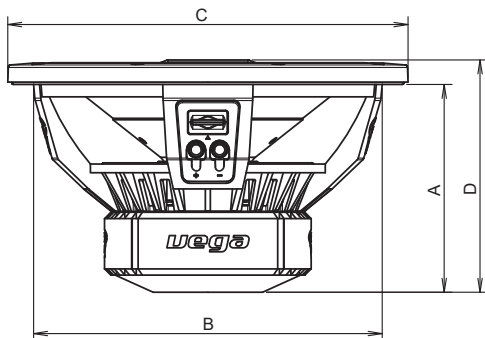
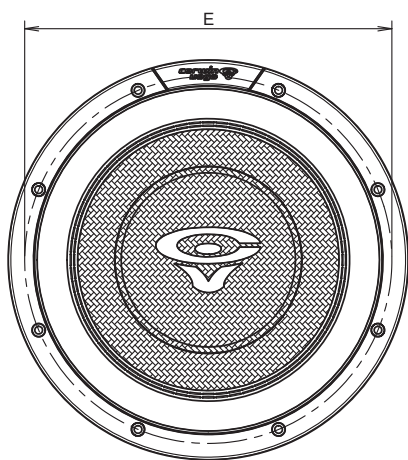
**The VEGA Series subwoofers handle massive power; for high-output, neighbor shaking, ground pounding, you're running the party sound. With high excursion capabilities and solid hybrid carbon fiber and polypropylene cones, they maintain exceptional rigidity and impact under heavy loads, ensuring clean, powerful bass reproduction without compromise. Whether for everyday listening or competition-level performance, Cerwin Vega subwoofers deliver unmatched reliability, output, and sound quality.**

# Features

<b>V8DV2/V8DV4</b>	<b>- 8 INCH SUBWOOFER</b>
<b>V10DV2/V10DV4</b>	<b>- 10 INCH SUBWOOFER</b>
<b>V12DV2/V12DV4</b>	<b>- 12 INCH SUBWOOFER</b>
<b>V15DV2/V15DV4</b>	<b>- 15 INCH SUBWOOFER</b>
<b>V65DV2/V65DV4</b>	<b>- 6.5 INCH SUBWOOFER</b>

- **Stitch-reinforced Santoprene Surrounds**
- **Hybrid Carbon Fiber / Polypropylene Cone**
- **Strong Ferrite Motor Structure**

Dimension	Unit	V8DV2/4	V10DV2/4	V12DV2/4	V15DV2/4	V65DV2/4
Mounting Depth(A)	in.(mm)	5.43" (138mm)	5.94" (151mm)	6.57" (167mm)	8.46" (215mm)	4.65" (118mm)
Cut out Diameter(B)	in.(mm)	7.48" (190mm)	9.17" (233mm)	11.02" (280mm)	13.86" (352mm)	5.75" (146mm)
Over All Diameter(C)	in.(mm)	8.72" (221.5mm)	10.89" (276.5mm)	12.66" (321.5mm)	15.61" (396.5mm)	6.95" (176.5mm)
Over All Height(D)	in.(mm)	6.10" (155mm)	6.69" (170mm)	7.36" (187mm)	9.33" (237mm)	5.28" (134mm)
Outer edge diameter(E)	in.(mm)	8.05" (204.5mm)	9.84" (250mm)	11.61" (295mm)	14.57" (370mm)	6.30" (160mm)

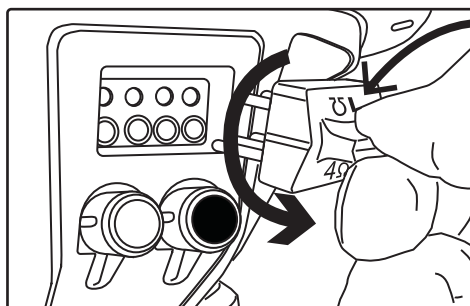


# Specifications

Specifications	V15DV2	V15DV4	V12DV2	V12DV4	V10DV2	V10DV4	V8DV2	V8DV4	V65DV2	V65DV4
SPL (dB)	90	90	87	87	85	86	85	85	80	82
Re (Ω) [Series]	2+2	4+4	2+2	4+4	2+2	4+4	2+2	4+4	2+2	4+4
Qms	8.46	7.5	7.17	8.84	8.43	7.58	7.61	6.53	8.45	7.562
Qes	0.4	0.42	0.57	0.64	0.5	0.55	0.41	0.42	0.71	0.731
Qts	0.38	0.4	0.53	0.59	0.47	0.51	0.39	0.39	0.66	0.667
Fs (Hz)	30	31	36	38	45	47	52	53	71	74
Vas (L)	75.28	77.31	22.89	24.86	15.86	34.21	5.55	6.29	1.28	1.423
Cms (mm/N)	0.077	0.079	0.062	0.067	0.093	0.093	0.086	0.097	0.066	0.074
Mms (g)	307.21	305.09	215.27	203.89	153.88	142.16	109.77	96.15	72.19	63.41
Sd (m <sup>2</sup> )	829.58	829.58	510.71	510.71	346.36	510.71	213.82	213.82	116.9	116.9
BL (T*M)	24.43	15.65	19.88	12.09	17.67	11.2	18.03	11.13	12.98	8.259
Xmax (mm)	10	10	9	9	7.5	7.5	6.5	6.5	6.5	6.5
Pwr (W) NOM/MAX	1500/4500	1500/4500	1200/3600	1200/3600	1000/3000	1000/3000	800/2400	800/2400	500/1500	500/1500

## Integrated Impedance Selector

To help installation we at Cerwin-Vega Mobile designed a simple but effective single terminal Dual Voice coil setup. Simple pull out the terminal rotate it to the impedance desired. The impedance above the terminal is the impedance of the driver now, with only one set of speaker wires going to it. No complicated wiring anymore!!!



\* The sub shown is wired into a 1 ohm load (1Ω)

# Wiring Configuration

VEGA subwoofers(V65DV2/V65DV4 ) feature dual  $2\Omega$  or  $4\Omega$  voice coils. It is essential that both coils be connected to an amplification source. When the dual  $2\Omega$  voice coils are wired in parallel, they present a  $1\Omega$  load to the amplifier, while wiring them in series results in a  $4\Omega$  load. Similarly, for the dual  $4\Omega$  voice coils, a parallel connection yields a  $2\Omega$  load, and a series connection provides an  $8\Omega$  load. Make certain that your source unit or amplifier is rated for the appropriate ohm load to ensure proper operation.

The illustration below shows how to wiring V65DV2 and V65DV4.

## Series Wiring

Dual  $2\Omega$  Voice Coils =  $4\Omega$  Load

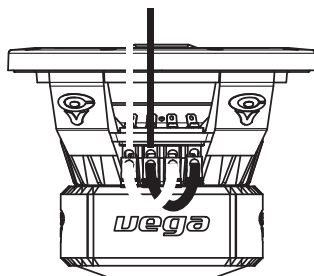
Dual  $4\Omega$  Voice Coils =  $8\Omega$  Load



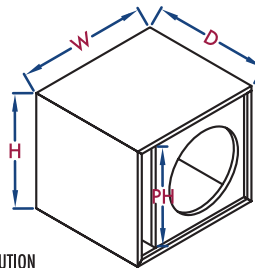
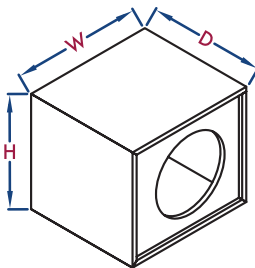
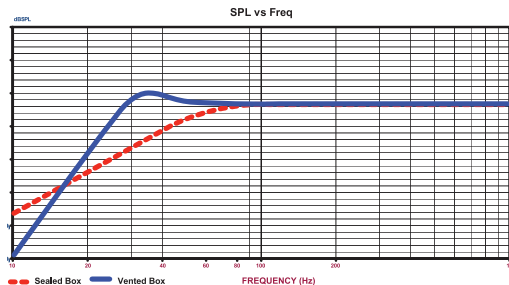
## Parallel Wiring

Dual  $2\Omega$  Voice Coils =  $1\Omega$  Load

Dual  $4\Omega$  Voice Coils =  $2\Omega$  Load

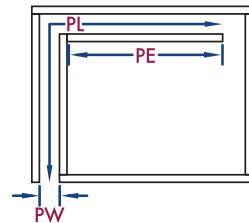


SUBWOOFER SIZE	SEALED ENCLOSURE		PORTED ENCLOSURE			
(All measurements are calculated Using 3/4" MDF)	Volume (net int.)	External Dimensions Width x Height x Depth	Volume (net int.)	Enclosure External Dimensions Width x Height x Depth	Slot Port Internal Dimensions Port Width x Port Height x Port Length	Port Extension Length "PE"
V65DV2/4	0.4 ft <sup>3</sup>	8" x 9.5" x 15" 203.2mm x 241.3mm x 381mm	0.75 ft <sup>3</sup>	10" x 12" x 16" 254mm x 304.8mm x 406.4mm	0.75" x 8" x 17" 19.05mm x 203.2mm x 431.8mm	8" 203.2mm
V8DV2/4	0.6 ft <sup>3</sup>	9.5" x 9.5" x 17.5" 241.3mm x 241.3mm x 444.5mm	1.0 ft <sup>3</sup>	11.25" x 13" x 17" 285.8mm x 330.2mm x 431.8mm	0.75" x 10" x 24" 19.05mm x 254mm x 609.6mm	10" 254mm
V10DV2/4	1.0 ft <sup>3</sup>	11" x 14.5" x 15.5" 279.4mm x 368.3mm x 393.7mm	1.25 ft <sup>3</sup>	12" x 14.25" x 17.5" 304.8mm x 361.95mm x 444.5mm	1.25" x 12" x 21" 31.75mm x 304mm x 533.4mm	10.5" 266.7mm
V12DV2/4	1.25 ft <sup>3</sup>	13" x 14.5" x 16" 330.2mm x 368.3mm x 406.4mm	1.75 ft <sup>3</sup>	14" x 16" x 18.25" 355.6mm x 406.4mm x 463.55mm	1.5" x 14" x 21" 38.1mm x 355.6mm x 533.4mm	12.5" 317.5mm
V15DV2/4	4 ft <sup>3</sup>	18.5" X 30" X 16" 479mm X 762mm X 406mm	5 ft <sup>3</sup>	18.5" X 33" X 18" 479mm X 838mm X 457mm	3" x 17" x 18" 76.2mm x 425mm x 457mm	3.5" 89mm



## CAUTION

(The use of a sub-sonic filter set at a minimum of 30Hz is recommended on all vented enclosures.)



# Warranty

CERWIN VEGA (a division of CV & DA Holdings, Inc.) warrants this product to be free from defects in material and workmanship for a period of one (1) year from the original date of purchase provided, it was purchased from an authorized Cerwin Vega, retailer within the United States.

THIS WARRANTY IS NOT TRANSFERABLE AND APPLIES ONLY TO THE ORIGINAL PURCHASE OF THIS PRODUCT IN ITS ORIGINAL INSTALLATION. The original purchaser must reside in the United States and be able to provide proof of purchase and installation with the sales from the authorized Cerwin Vega retailer and completion of online registration that sold and installed the product.

Should a manufacturing defect occur during above said warranty period, Cerwin Vega will replace or repair the defective product with a product of the same or equivalent value and performance. Damage or failure caused by any of the following is not covered under this warranty policy: burnt voice coils, negligence, improper use, abuse, product modification, unauthorized repair attempts, accident, acts of God, misrepresentations by Cerwin Vega retailers, and improper/inadequate packaging during return shipping.



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