

## ZV28-MKII POWERED SUBWOOFER

- Groundbreaking Performance
- Ultra-Low Notes: -3dB at 21Hz (Pair)
- Super-High Continuous Output
- Confidence-Inspiring Reliability
- Deepest High-Output Sub for its Size
- Smooth, Even, Accurate, Clean

The ZV28-MKII Subwoofer delivers bass so low as to be at the very limits of human hearing. Notes that are simply not present with other subwoofers are fully realized by the ZV28-MKII, and frequencies that stress lesser subs are reproduced effortlessly and powerfully. The ZV28-MKII must be felt as well as heard to be truly appreciated.

### Improved performance of MKII:

- Even More Deep Bass
- Increased SPL at very low frequencies
- Decreased distortion at very low frequencies
- Stiffer construction – more bracing
- Stronger grill for improved protection.
- Bold new look!

**For super-low modern bass music, just two cabinets will produce exceptional levels of extraordinarily deep bass.** The ZV28-MKII is designed to deliver an intensely physical experience for the audience. No other manufacturer produces a sub as powerful and low as the ZV28-MKII at a similar price point and physical size.

**The ZV28-MKII was independently measured at Ultra Music Fest 2013 to achieve flat frequency response to 21Hz (-3 dB) at audience distance.** A sub system of only sixteen ZV28-MKII Subs and eight Z5/D Subwoofers was used to create a legendary gig for close to 10,000 screaming fans. The ZV28-MKII utilizes extreme efficiency to supply ultra-high performance with very few subs.

### Includes a 4000W amplifier with integrated, comprehensive DSP.

The ZV28-MKII's are vented, direct radiating subwoofers with a large internal volume and a very low tuned frequency. Anti-standing wave baffles and pass-through dampers minimize upper resonances while very large ports maximize low frequency performance at high output. Protection systems and limiters control all manners of overload, including thermal, excursion and clipping.

**The ZV28-MKII is optimized for full-power operation.** It is designed to operate at full rated RMS power throughout its operating range while ensuring the woofers remain within their excursion and thermal limits. The ZV28-MKII delivers consistently flat frequency response, and a pair delivers response that is -3dB at 21 Hz.



No equalization is required to achieve this response and it is available at high levels in real-world applications, continuously. The ZV28-MKII's sensitivity is achieved and maintained through careful optimization, the use of premium components and innovative, proprietary thermal management techniques. Thanks to the deep-bass sensitivity, the robust components and the prodigious power, massive low end is delivered on demand.

**The ZV28-MKII is not a paper tiger.** Other subwoofers can be made to look similar on paper, but come up short in the field. Beware of loudspeaker systems that require processing to achieve their claimed frequency response. Those systems are still subject to the excursion and thermal limits of their drivers. Boosting low frequency EQ to achieve extended low-frequency response on specification charts isn't the way to deliver superior results at maximum power. In fact, boosting low frequency EQ is likely to result in excessive distortion or woofer damage at full power. Under those circumstances the system cannot be utilized at full power. If limiting is applied to avert such failure, that limiting prevents the realization of the claimed frequency response at full power.

**The ZV28-MKII's woofer cones are waterproofed.** The cabinets are safe to use outdoors where they may encounter rain, in nightclubs where drinks may be spilled on them, or in dusty environments that may leave the drivers needing a thorough cleaning.

**A two-year no-fault warranty is offered on the subwoofer drivers above and beyond the standard warranty.** We are able to offer this extraordinary coverage due to the ZV28-MKII's (and all BASSBOSS subs) innovative design and engineering which utilizes the best of current technology to virtually eliminate blown drivers.

**Engineered to work hard and continue to work where others fail.** With the peace of mind afforded by plentiful, clean, undistorted output and comprehensive protection systems, you can confidently push the ZV28-MKII to levels and depths that would require more or bigger cabinets from other manufacturers.

## ACOUSTICAL

Loudspeaker Description:	Extended Low-Frequency Dual 18" Powered Subwoofer
Frequency Response ( $\pm 3$ dB):	24 – 90 Hz
Frequency Response, Pair ( $\pm 3$ dB):	21 – 90 Hz
Maximum Sustained Output:	134 dB SPL, 1 meter, half-space (ground plane)
Max SPL (Peak)*	142 dB
Nominal Dispersion ( $H^\circ \times V^\circ$ ):	360 x 360 – Cardioid mode available with multiple boxes

## ELECTRICAL

Amplification:	4000 Watt Continuous RMS Class D Subwoofer Amplifier
Processing:	Integrated comprehensive DSP provides high pass, low pass, phase alignment and limiting
Electrical Connectors, Amplifier:	Neutrik powerCON input (Blue) NAC3FCA, Neutrik powerCON through (Grey) NAC3FCA
Electrical Connector, Mains:	Standard US 3-pin 120V electrical plug: NEMA 5-15 (Edison), Optional electrical plugs available, including L5-30 and others, upon request.
Voltage Operating Range:	90-132VAC, 55-65Hz
Current Draw, Nominal:	564 W, 4.7A @ 120 Volts (typical, 1/8 max power)
Signal Input Connector:	XLR-F
Signal Output Connector:	XLR-M (pass-through only)

## PHYSICAL

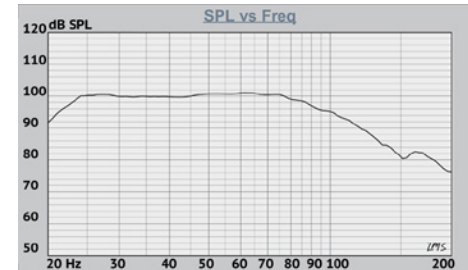
Enclosure Type:	Direct radiating, vented enclosure, optimally tuned for extremely low frequency response and excellent electrical conversion efficiency
Transducer:	2 x 18" diameter (457 mm) neodymium motor woofer with 4.5" (115 mm) copper winding voice coil and 56 mm (2.2") peak to peak excursion, waterproof fiber composite cone
Cabinet Construction:	18 mm Baltic Birch plywood, extensively braced. Equipped with 16 flypoints, 8 steel handles, 2 pole sockets, 4 large rubber feet, and 4 interlocking foot pockets
Dimensions (HxWxD):	22.5" x 42" x 42" (57.15 cm x 106.68 cm x 106.68 cm) - 23.25" (59.05 cm) high with feet
Net Weight:	225 lbs (102 kg)
Shipping Weight:	240 lbs (109 kg)
Exterior Finish:	Rugged, weatherproof, black textured, bonded high-pressure polyurethane coating
Grill:	Perforated, powder-coated steel
Pole Sockets:	2 (35 mm)
Handles:	8 Steel Handles

## OPTIONAL

Flying Hardware:	Side-pull anchors and/or shoulder eyebolts
Suspension System:	16 x 3/8"-16tpi threaded flypoints
Amplification for Installation:	Complete power package including DSP in two space rack chassis for permanent installations
Installation Version:	Available without handles and pole sockets
Transport Dollies:	Dolly cart with 4 locking casters and recesses to accept interlocking cabinet feet for transporting 1 to 3 cabinets
Covers:	Heavy-duty padded nylon transport covers for 1 or 2 cabinets
Online Information:	<a href="http://bassboss.com/zv28">bassboss.com/zv28</a>

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### RESPONSE GRAPH



\*Peak output is calculated using "industry standard" techniques. These calculation methods create theoretical specifications that are inflated over what can actually be achieved. BASSBOSS real world output specifications are provided as "Maximum Sustained Output" ratings, which reflect actual measured, continuous output levels.



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