

STUDIOLINE

pulz[®]



WAVEDRIVE SERIES

WM2



FEATURES

- Dual concentric design
- High efficiency system
- Point source reproduction
- Phase coherent sound
- High dynamic SPL
- Low harmonic distortion
- Exceptional transient response
- Smooth and extended frequency response

The Pulz WM2 3-Way Cinema Screen Speaker System has been developed for use in prestigious small to medium size cinema theatres. The system consists of 2 X 15" low frequency high efficiency drivers in conjunction with a loaded 12" Low-Mid woofer and coaxially mounted 1.5" voice coil high frequency driver. The Mid-High coaxial driver has been specifically engineered to overcome the incoherency of the traditional 3-Way approach. It delivers exceptional dialogue clarity and sound imaging, superior to the conventional Mid-High configuration.

A 90° conical damped FRP waveguide coupled to Mid-High section loads the 12" by providing higher sensitivity down to 300Hz and controlling the pattern to provide even dispersion throughout the auditorium. The waveguide also minimizes diffraction due to its smooth surface. The 250Hz low crossover frequency between the 12" midrange and 15" woofer produces coherent summation.

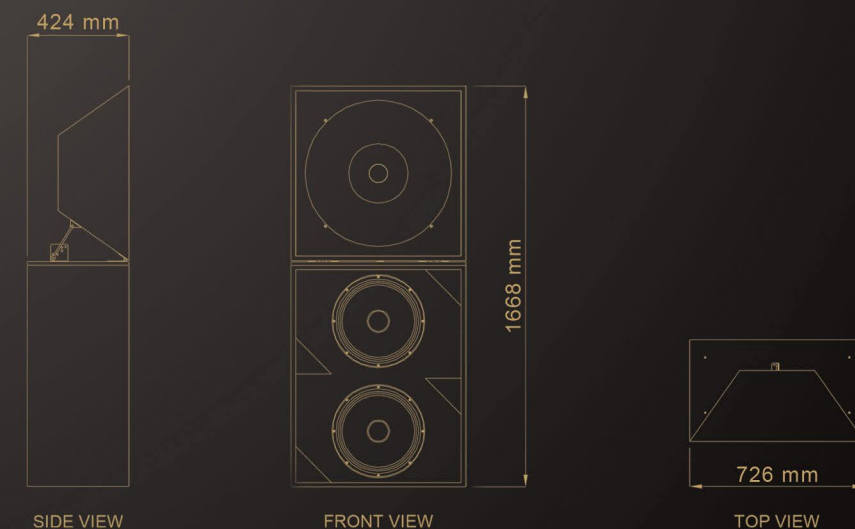
The dual 15" drivers are independently loaded in a direct radiator bass-reflex enclosure. This technique avoids "sympathetic failure" and provides better interface options with the amplifiers. The large port area reduces turbulence at full power output and low frequencies. A heavy duty spring loaded push type terminals ensures secure connection to the LF driver. The adjustable steel bracket allows the finer alignments of the waveguide to suit individual auditoriums, which can then be locked into position.

The system can be conveniently bi-amped with the built in passive crossover between the Mid and High section and using Active crossover. Full performance of the WM2 system is achieved by using an active tri-amplified configuration.

All components feature a textured black finish to eliminate the reflection of light through perforated cinema screens.

SPECIFICATIONS:

Frequency Response:	45Hz to 20kHz
Power Rating:	LF: 800W AES, 3200W peak; MF: 400W AES, 1600W peak; HF: 60W AES, 300W peak
Sensitivity:	LF: 101dB @ 1W/1m; MF: 100dB @ 1W/1m; HF: 112dB @ 1W/1m
Maximum SPL:	LF: 130dB continuous, 136dB peak @ 1m; MF: 126dB continuous, 132dB peak @ 1m; HF: 129dB continuous, 135dB peak @ 1m
Nominal Impedance:	LF: 4Ω; MF: 8Ω; HF: 8Ω
Recommended Amplifier:	600W to 1200W @ 4Ω
Low Frequency Driver:	2 X 15" (380 mm) weather resistant long excursion woofer
Mid Frequency Driver:	12" (300 mm) Low-Mid driver with coaxial entry
High Frequency Driver:	1.5" (38 mm) voice coil compression driver mounted coaxially
Crossover:	250Hz Active, 1.8kHz Passive
Finish:	Black impact resistant structured coating
Connector:	Push type binding post, cable up to 4 mm diameter
Enclosure:	18 mm MDF direct radiator vented enclosure
Waveguide:	90° conical for Mid-High section
Dimensions (H X W X D):	1668 mm X 726 mm X 424 mm (65.7" X 28.6" X 16.7")
Net Weight:	91 kg (201 lb)
Packed Weight:	95 kg (209 lb)



sound matters



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Pulz reserves the right to make changes in specifications without prior notice.