

PSM18

Funktion-One's PSM18 triaxial stage monitor is a radical departure from the standard 15" and compression-driver configuration, delivering a significant performance advantage over conventional monitors.

The triaxial arrangement comprises a very high power 18" driver with a coaxially mounted two-way compression driver. The 600Hz -18kHz bandwidth gives previously unheard clarity and definition to the vocal range. The ultra-fast 18" driver with its Neodymium magnet and 5" voice coil is optimised for low frequency definition making the monitor well suited to use for Bass and Drums positions. The PSM18 has a 70° Funktion-One conical waveguide for high efficiency and control, the triaxial arrangement is optimised for smooth directivity and minimising feedback. As usual with Funktion-One's design approach, corrective preset EQ is unnecessary leaving the enclosure with plenty of headroom.



- Features:
- Triaxial driver configuration
 - 2-way active (Biamp) operation
 - Neodymium magnets
 - Sturdy construction
 - Integral 35mm pole mount
 - Two recessed connector panels (back and side)

Frequency Response (-3dB):50Hz - 18kHz

Weight:35kg (77lbs)

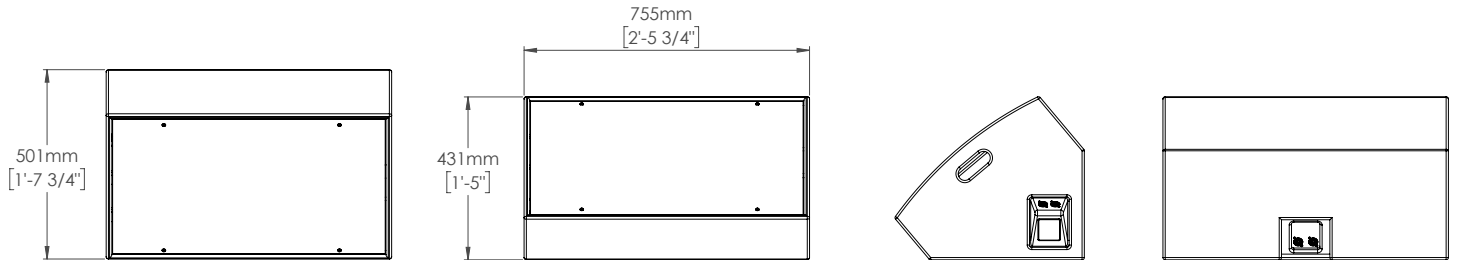
Nominal Dispersion:70° Conical

Connectors:4 x NL4 (2 x dual panels)

For products with serial number higher than No.323, see page 2.				
Driver (Original)	Crossover Frequencies	Sensitivity (at 1m)*	Power (AES)	Nominal Impedance
18"	30Hz - 694Hz	104dB at 2.8V	600W	8Ω
5" + VHF	694Hz - Up	112dB at 2.8V	80W	8Ω

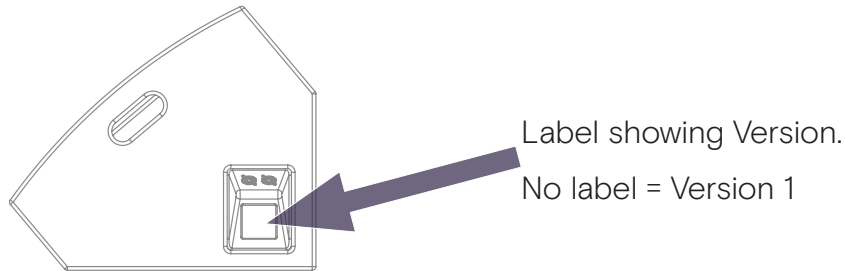
*Measured in half space

Specific crossover settings can be found at www.funktion-one.com/support



PSM18 PRODUCT UPDATE

Starting from serial No.323 the PSM18 is fitted with a new mid/hi driver (Version 2). Providing improved audio quality and increased SPL.



Driver specification for Version 2 products (serial number higher than No.323)

Driver (Updated)	Crossover Frequencies	Sensitivity (at 1m)*	Power (AES)	Nominal Impedance
18"	30Hz - 800Hz	104dB at 2.8V	600W	8Ω
MF + HF	600Hz - Up	111dB at 2.8V	200W	8Ω

*Measured in half space

PSM18 Version 2 requires the following crossover settings:

Component	Delay	Polarity	High Pass Freq	High Pass Type	Low Pass Freq	Low Pass Type	Relative Gain
18"	0ms	+	30Hz	24dB But	800Hz	24dB	5dB
MF + HF	0ms	-	600Hz	24dB LR	N/A	Out	-10dB

Please note, we do not recommend using the updated PSM18 Version 2 (Serial No. higher than 323) alongside older cabinets when used as stage monitors. Version 1 and Version 2 cannot be linked together in parallel on the same amplifier channels.

Combining new and old cabinets as part of a stereo pair for a small system is possible. In this case, the correct crossover settings for each cabinet should be used. Then the relative mid/high gain should be adjusted to balance the pair.

If you have any questions regarding these changes, please contact mail@funktion-one.com

