

# So much more than excellent sound



## CM18

A powerful medium throw speaker with ultra high SPL and controlled dispersion pattern in an ultra slim design. The CM18 is ideal for large size venues with low ceiling fixing points.

Featuring a rotatable horn and 18 flying points - four of which are fully adjustable - the C-Range is an extremely versatile installation speaker allowing for full flexibility in vertical and horizontal positioning.

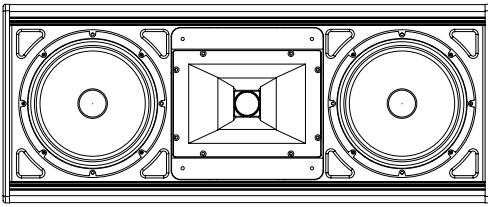
The distinct new CM18 in the C-Range speaker series from MACH powerfully projects every nuance of pure sound in any environment you choose.

### Simple to fly

With a unique flexibility in mounting, the innovative CM18 allows complete versatility when setting aim points in the application



**Mach**  
[www.mach.dk](http://www.mach.dk)  
A Martin Professional Product



## CM18

- Powerful medium throw speaker capable of reproducing ultra high SPL with a controlled dispersion pattern
- Top box holding two powerful 12" woofers and a 2" compression driver with a constant coverage horn with low distortion
- Rotatable horn with a 90 x 55 degree dispersion allowing for complete versatility in vertical and horizontal mounting
- Innovative Passive and Active bi-amp solution with secure access to switch and ultra quick change over between modes
- Designed specifically for large size applications and is ideal for low ceiling installations when positioned horizontally

## SPECIFICATIONS

### Passive mode:

Power rating IEC268:	700 watt
Power rating peak:	2800 watt
Sensitivity 1w/1m:	102.5 dB
Max SPL, calculated long term:	131 dB
Max SPL, peak:	137 dB
Frequency range +/-3dB:	75Hz - 20 kHz
Dispersion angle avg:	H 90 x V 55 deg Rotatable Horn
Nominal impedance:	4 ohm
Recommended amplifier:	1000 watt in 4 ohm
Recommended High Pass filter:	100 Hz (24dB/Octave)
Recommended Controller:	Mach M20.06 or M20.02

## WEIGHT, MEASUREMENTS AND PHYSICAL SPECIFICATIONS

Dimensions (HxWxD):	106 x 43 x 35 cm (41.7 x 16.9 x 13.8 inches)
Net weight:	45 kg (99 pounds)
Finish:	Black Safe Coat coating with other colors optional
Grille:	2 mm steel with foam backing
Input connectors:	2 x Speakon® NL 4 and barrier strip terminals
Rigging hardware:	Included 3 x Eyebolt part no. 93940002

## DRIVE UNITS

<b>Woofers:</b>	2 x 12" with an interleaved sandwich voice coil
Nominal impedance:	4 ohm (2 pcs)
Power handling AES:	700 watt (2 pcs)
Sensitivity 1W/1m:	102.5 dB
Max SPL, calculated long term:	131 dB
Max SPL, Peak:	137 dB
Recommended amplifier:	1000 watt into 4 ohm

## WHAT IS THE C-RANGE?

- Designed for extremely powerful output at low height installations
- Innovative adjustable "spider bracket system" for multiple horizontal and vertical flying options
- Fast and easy mounting with 18 flying points for complete versatility
- Flexible, easy connection in seconds with recessed speakon and barrier strip terminals
- 3x10 mm Eyebolts included as standard
- Trapezoidal cabinet design allows for flexible and discrete fixing
- Safe Coat scratchproof surface and extruded aluminum profiles give an exceptionally strong and robust cabinet
- Fast and easy access to all serviceable parts



360° of excellence. At every angle the C-Range brings you ergonomics in design and functionality.



The speaker comes black as standard with any RAL code color choice as optional.

<b>Compression driver:</b>	3" diaphragm, 2" throat
Nominal impedance:	16 ohm
Power handling AES:	150 watt
Sensitivity 1W/1m:	110 dB
Max SPL, calculated long term:	132 dB
Max SPL, Peak:	138 dB
Recommended amplifier:	200 watt into 16 ohm

# Mach

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