

Master M59

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Description

Studio control rooms are the ultimate challenge for any loudspeaker design. After getting rid of acoustical flaws and installing decent power amps it all comes down to the quality of the electro-acoustical transducers.

The Master Series M59 loudspeaker is fitted with two SA1513 woofers, two SA1203 mid-range drivers and one SA8535M Ribbon Compact Driver. This 'big' configuration is designed and build for use in the biggest control rooms.

By design the M59 is fitted with 30mm thick walls and baffle wherein the driver units are flush mounted. The M59 can only be driven in active mode (three amps needed).

To achieve unsurpassed sound quality you can use the SA M59 in combination with the SA HE50 amplifier (fan-less design) from the SA High-End Series.

Really nothing can beat the HE50 / M59 combo!

Placement

Optimal positioning of the M59 can best be done with the expertise of an (Stage Accompany) acoustics engineer.

In-wall/flush mounting is recommended.

Note: the M59 cabinets are made per pair so the loudspeaker placement is mirrored

Maintenance

Maintenance on the M59, especially on the drivers, is best left to official Stage Accompany service personnel.

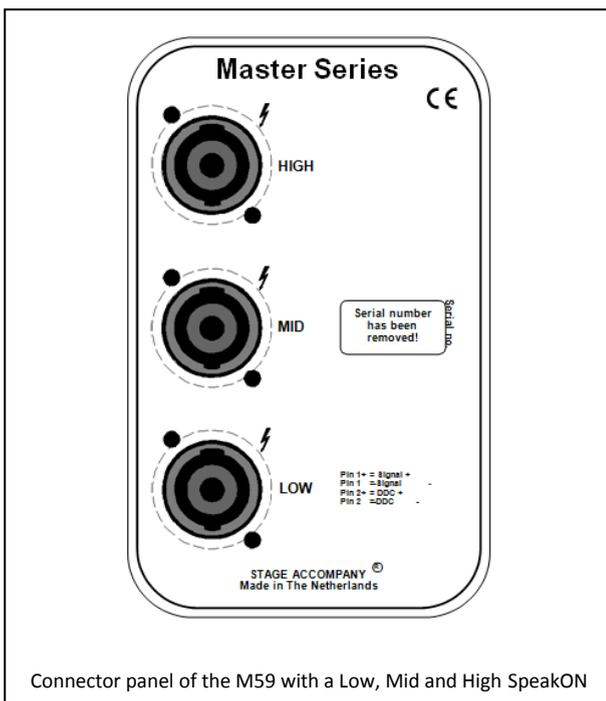
However, cleaning of the cabinet can easily be done by yourself with a damp lint-free cloth.

Connections

The M59 has three SpeakON NL4 connectors. Since the cabinet is designed for active use only you will find connectors for: low, mid and high (caution: make sure that the right amplifier output is connected to the right connector in order not to damage any of the loudspeaker components).

Options

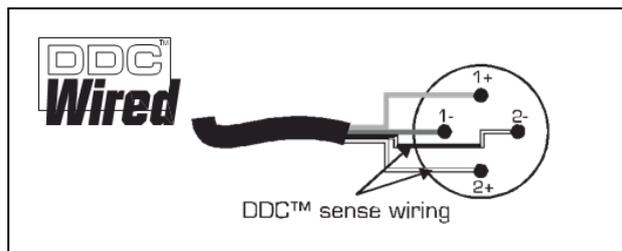
The M59 is standard finished in SA Black Protecture, but is also available in any possible RAL color (Multi Color Option™). Further options are: flight case and small Uni-Rig™ flying system.



Connector panel of the M59 with a Low, Mid and High SpeakON

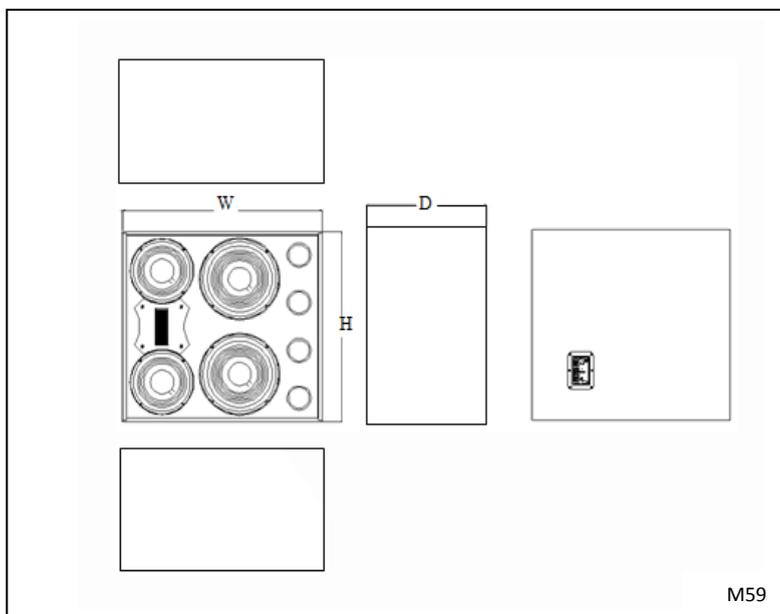
Wiring for DDC™

For absolute top quality sound reproduction, the M59 is equipped with Dynamic Damping Control™. The DDC™ system is based on two loudspeaker wires that return from the speaker to the (SA) amplifier. The picture on the right shows the wiring of a SpeakON NL4 connector in combination with the DDC™ system.



Technical specifications

Frequency response	: 35Hz – 30kHz (+/- 3dB)
Transducers	: 2 x SA1513, 15" LF/MF driver 2 x SA1203, 12" MF driver 1 x SA8535M, neodymium HF driver
Cross-over frequencies	: 100Hz - 1400Hz
Nominal impedance	: 4Ω LF, 4Ω MF, 13Ω HF
Sensitivity @ 1W/1m	: 98dB LF, 98dB MF, 102dB HF
Max. RMS power	: 800W LF, 800W MF, 60W HF
Max. Peak power	: 2000W LF, 2000W MF, 1000W HF
SPL program/peak	: 127dB/131dB LF, 127/131dB MF, 120/132dB HF
Coverage angles (@ 2kHz H x V)	: 100° x 40°
Enclosure construction	: 30mm thick baffle and walls, 15mm Birch plywood + 15mm MDF
Color	: SA Black Protecture, other colors on request
Connectors	: 3 x SpeakOn NL4, 1 x Low, 1 x Mid, 1 x High
Physical dimensions (H x W x D)	: 908mm x 965mm x 569mm (35.8" x 38.0" x 22.4")
Weight	: 157kg (345.0lb)
Warranty	: 5 years limited (1 year on 'moving parts')



Stage Accompany bv
Haven 28
2984 BR Ridderkerk
The Netherlands
Tel; 31 (0)180 426225
Fax: 31 (0)180 421831
E-mail: info@StageAccompany.com

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