

Master M57

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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 M57 loudspeaker inhabits two SA1205 woofers and one SA8535M Ribbon Compact Driver which are set to a d'Appolito configuration.

By design the M57 is fitted with 30mm thick walls and baffle wherein the driver units are flush mounted. The M57 can be driven active or passive.

To achieve unsurpassed sound quality you can use the SA M57 in combination with the SA HE50 amplifier (fan-less design) from the SA High-End Series.

Really nothing can beat the HE50 / M57 combo!

Placement

Optimal positioning of the M57 can best be done with the expertise of an (Stage Accompany) acoustics engineer.

In-wall/flush mounting is recommended.

Note: the M57 cabinets are made per pair so the loudspeaker placement is mirrored.

Maintenance

Maintenance on the M57, especially on the drivers and filters, 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.

Active / passive switch

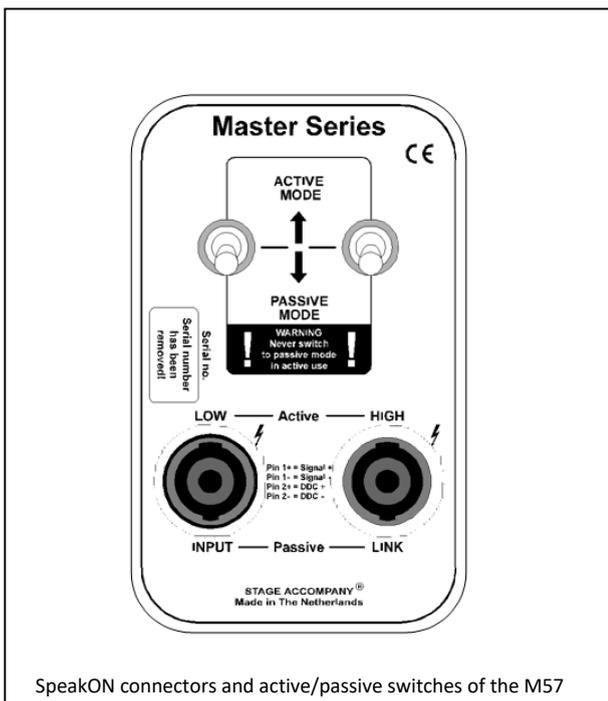
The 'active / passive' switches are located on the connector-panel of the M57 cabinet (Caution: never switch to another mode when the cabinet is in use! In order to avoid impedance problems, be sure that both switches always point in the same direction).

Connections

The M57 has two SpeakON NL4 connectors. If you use the M57 cabinet in 'passive' mode, read the descriptions below the connectors. If used in 'active' mode, read the descriptions above the connectors (Caution: incorrect connection when used in 'active' mode can cause damage to the loudspeaker components).

Options

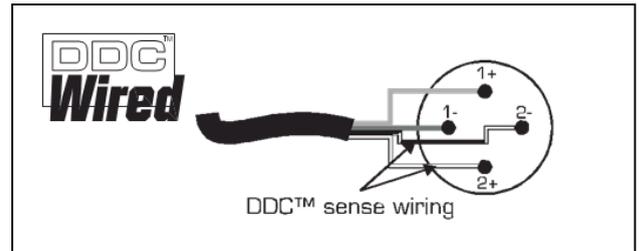
The M57 is standard finished in SA Black Protecture, but is also available in any possible RAL color (Multi Color Option™). Further options are: flight case and small Uni-Rig™ flying system.



SpeakON connectors and active/passive switches of the M57

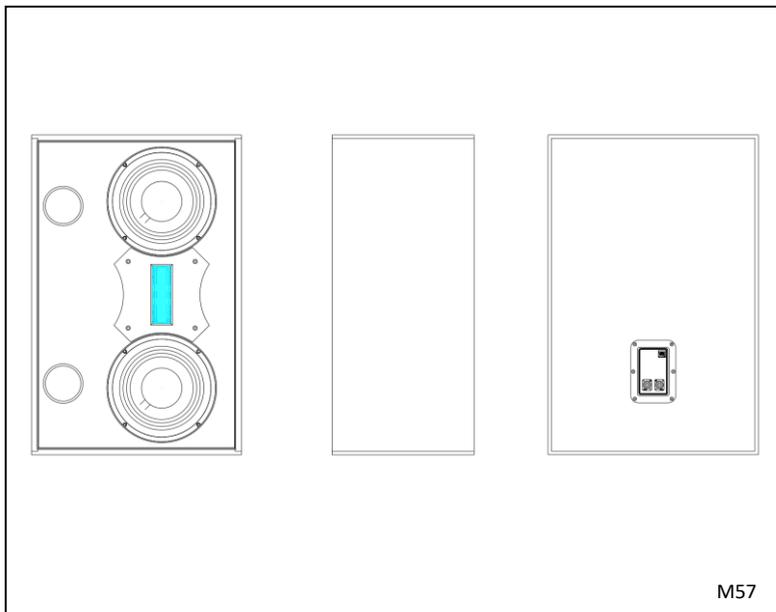
Wiring for DDC™

For absolute top quality sound reproduction, the M57 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 SA1205, 12" LF driver 1 x SA8535M, neodymium HF driver
Cross-over frequency	: 1500Hz
Nominal impedance	: 16Ω (passive), 4Ω LF (active), 13Ω HF (active)
Sensitivity @ 1W/1m	: 97dB (passive), 97dB LF (active), 102dB HF (active)
Max. RMS power	: 800W (passive), 800W LF (active), 60W HF (active)
Max. Peak power	: 2000W (passive), 2000W LF (active), 1000W HF (active)
SPL program/peak	: 126dB/130dB (passive), 126/130dB LF (active), 120/130dB HF (active)
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	: 2 x SpeakOn NL4, 1 x Low / 1 x High (active), 1 x Input / 1 x link (passive)
Physical dimensions (H x W x D)	: 908mm x 592mm x 420mm (35.8" x 23.3" x 16.6")
Weight	: 80kg (176.4lb)
Warranty	: 5 years limited (1 year on 'moving parts')



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