

Master M44

In this documentation you will find information about:

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- Connection
- Maintenance
- Active/Passive switch
- Options
- Dynamic Damping Control™
- Recommendation
- Technical specifications

Placement

Optimal positioning of the M44 can best be done with the expertise of an (Stage Accompany) acoustics engineer. In-wall/flush mounting is recommended.

Connection

The M44 has two 4-pole Speakon connectors. If you use the M44 cabinet in 'passive' mode, use the lower connector. If used in 'active' mode, use the upper and lower connector for resp. High/Low (Caution: Incorrect connection when used in 'active' mode can cause damage to the loudspeaker components).

Maintenance

Maintenance on the M44, especially on the drivers and filtering is best left to official Stage Accompany service personnel. However, cleaning of the housing can easily be done by yourself with a damp, non fluffing cloth.

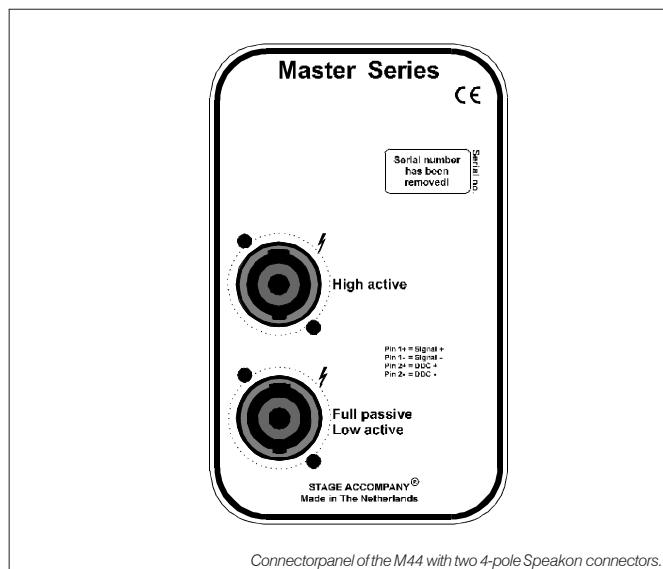
Active/Passive switch

Factory setting is passive (single amp) filtering. Changing the M44 from 'passive' to 'active' mode is best left to official Stage Accompany service personell. If you want to do this yourself it is required to remove the woofer from the cabinet and put the active/passive socket in the right place, ask your Stage Accompany dealer for information.

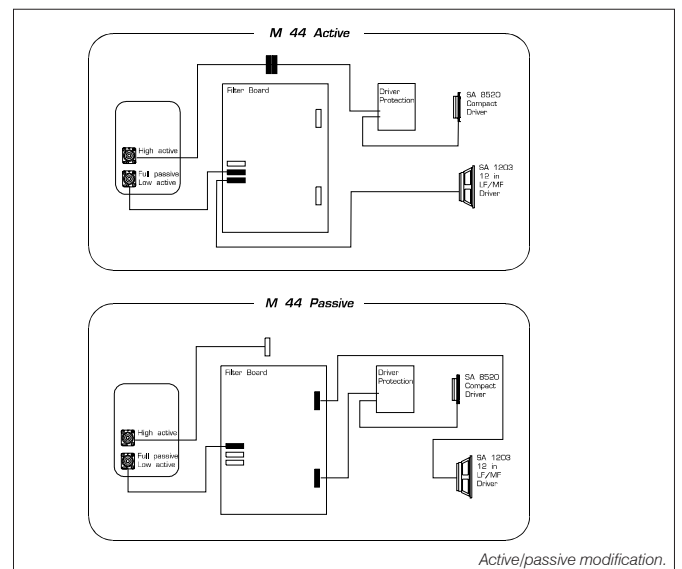
Options

The M 44 is standard finished in opal white finish, other (metallic) colors are available on request. Further options are:

- Flight-case
- Small Uni-Rig™ flying system



Connectorpanel of the M44 with two 4-pole Speakon connectors.

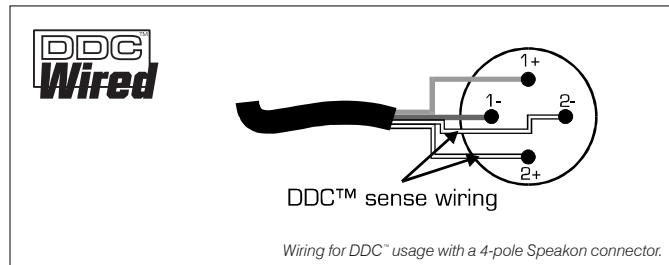


Active/passive modification.

Dynamic Damping Control DDC™

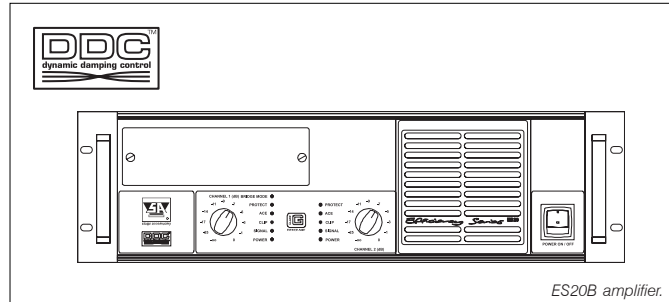
For absolute top quality sound reproduction, the M44 is completely pre wired for Dynamic Damping Control™.

The DDC™ system is based on 2 loudspeaker wires that return from the speaker to the (SA) amplifier. Through these "sense wires" the amplifier can compensate the speaker cable and connector resistance, ensuring maximum control over the speaker cone movement.



Recommendation

To use the M44 we recommend the ES20B power amplifier. This amplifier is standard equipped with DDC™, resulting in a virtually infinite amplifier damping factor at the speaker terminals. To use the DDC™ system with an ES20B amplifier, use Stage Accompany 4-pole LW Speakon cable. The ES20B's Extended Function Network (EFN™) module can provide suitable filtering within the amplifier.

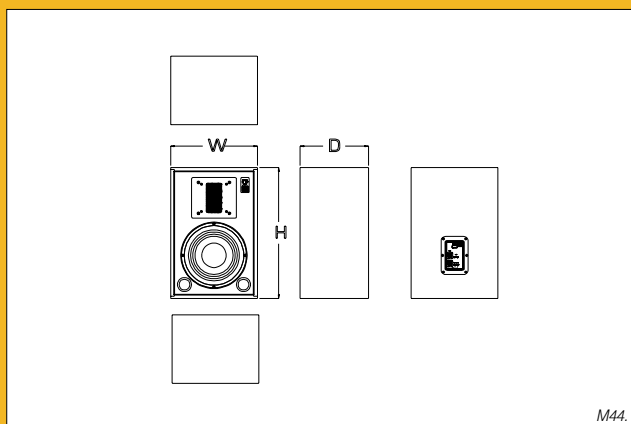


Technical specifications

Passive mode

Active mode

Frequency response	: 45 Hz - 30 kHz (+/- 3dB)	
Drivers	: 1 x SA 1203 LF driver; 1 x SA 8520 HF driver	
Cross-over frequency	: 1000 Hz	
Nominal impedance	: 8 Ohm	8 Ohm (LF) 13 Ohm (HF)
Sensitivity @ 1W/1m	: 93 dB	93 dB (LF) 93 dB (HF)
Max. RMS power	: 400 W	400 W (LF) 30 W (HF)
Max. Peak power	: 1000 W	1000 W (LF) 500 W (HF)
SPL program/peak (dB)	: 119/123	119/123 (LF), 108/120 (HF)
Dispersion (2 kHz H x V)	: 100° x 40°	
Color	: Opal white finish, other colors on request	
Connectors	: 2 x 4 pole Speakons; 1 x High active, 1 x Full passive/low active	
Physical dimensions (h x w x d)	: 612 x 406 x 320 mm (24.1 x 16.0 x 12.6 in.)	
Weight	: 43 kg (94,6 lb)	



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