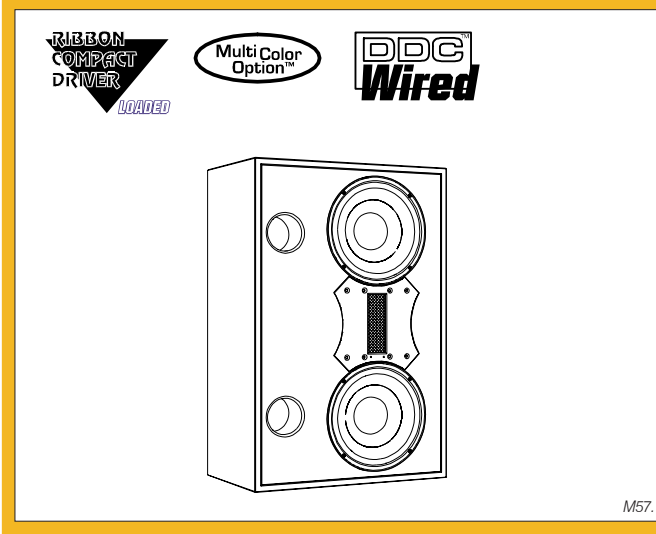




stage accompany

## Technical specifications M57



# Master M57

In this documentation you will find information about:

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

### 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.

### Connection

The M57 has two 4-pole Speakon connectors. If you use the M57 cabinet in 'passive' mode, read the mentions below the connectors. If used in 'active' mode, read the mentions above the connectors (Caution: Incorrect connection when used in 'active' mode can cause damage to the loudspeaker components).

### Maintenance

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

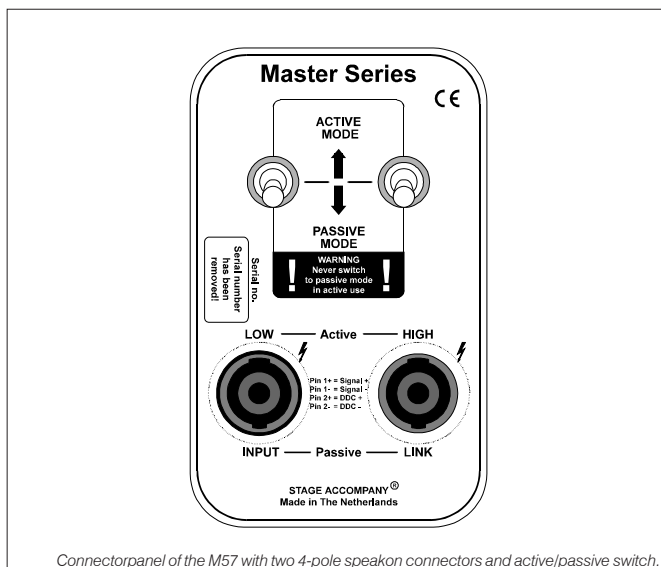
### Active / Passive switch

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).

### Options

The M57 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 M57 with two 4-pole speakon connectors and active/passive switch.

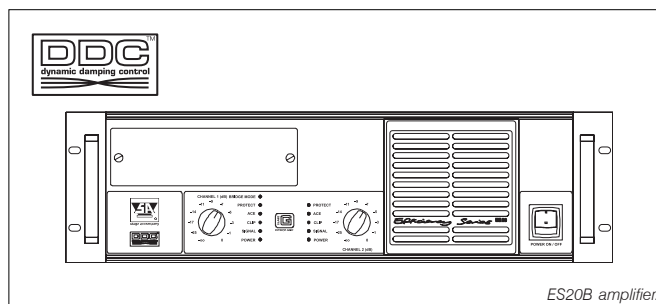
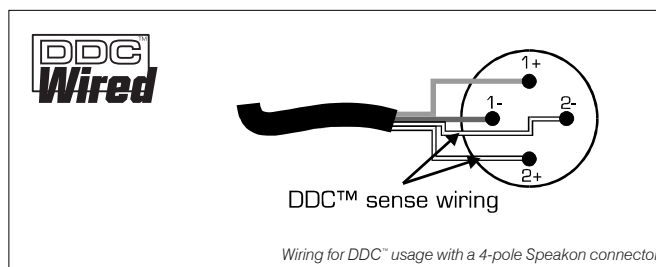
## Dynamic Damping Control DDC™

For absolute top quality sound reproduction, the M57 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 M57 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.

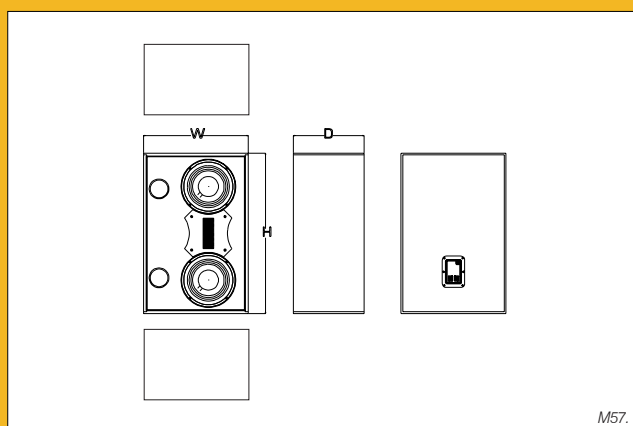


## Technical specifications

### Passive mode

### Active mode

Frequency response	: 35 Hz - 20 kHz (+/- 3dB)	
Drivers	: 2 x SA 1205 LF driver; 1 x SA 8535M HF driver	
Cross-over frequency	: 1500 Hz	
Nominal impedance	: 16 Ohm	4 Ohm (LF) 13 Ohm (HF)
Sensitivity @ 1W/1m	: 97 dB	97 dB (LF) 102 dB (HF)
Max. RMS power	: 800 W	800 W (LF) 60 W (HF)
Max. Peak power	: 2000 W	8000 W (LF) 2000 W (HF)
SPL program/peak (dB)	: 126/130	126/130 (LF), 120/132 (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 Input, 1 x Link	
Physical dimensions (h x w x d)	: 908 x 592 x 420 mm (35.7 x 23.3 x 16.6 in.)	
Weight	: 80 kg (176.4 lb)	



Stage Accompany  
Anodeweg 4  
1627 LJ HOORN  
The Netherlands  
Tel: +31 (0)229 282930  
Fax: +31 (0)229 282920  
E-mail: info@StageAccompany.com

© Copyright 2001-2005 Stage Accompany.

The information in this document is continually being developed. Whilst every effort has been made to make it as accurate as possible, no warranty of accuracy is made or implied by the makers. Stage Accompany shall have neither liability, nor responsibility to any person or entity with respect to loss or damages in connection with or arising from the information contained in this document.

[www.StageAccompany.com](http://www.StageAccompany.com)

**That's How Music Should Sound!**