

Champ C27(S)

In this documentation you will find information about:

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

Placement

When placing the C27(S) you can use either the tube stand or the integrated Uni-Rig™ flying system.

If used with the tube stand you can combine this with a Bass Series cabinet.

Connection

The C27(S) has two 4-pole Speakon connectors. If you use the C27(S) 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).

Active /Passive switch

The 'active/passive' switch is located on the connector-panel of the C27(S) cabinet. This switch is submerged to avoid mistakenly switching of the 'active/passive' mode (Caution: Never switch to another mode when the cabinet is in use!).

Maintenance

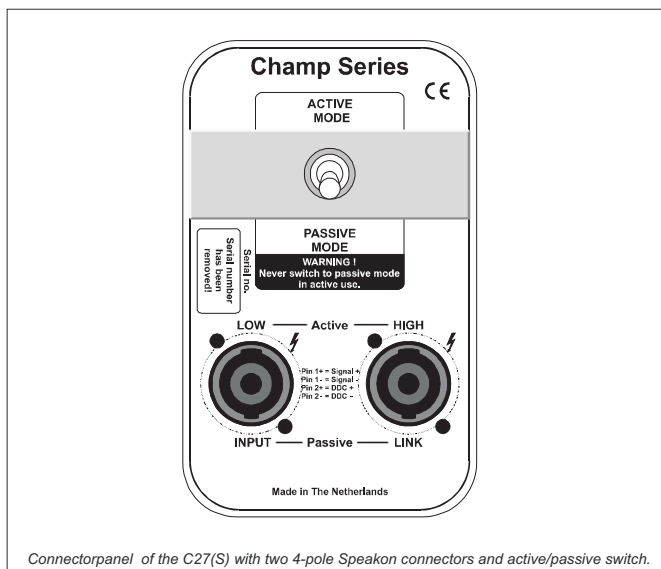
Maintenance on the C27(S), especially on the drivers and filters is best left to official Stage Acoustic service personnel. However, cleaning of the housing can easily be done by yourself with a damp, non fluffing cloth.

Options

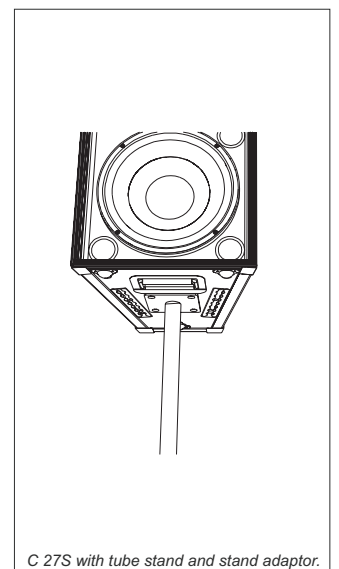
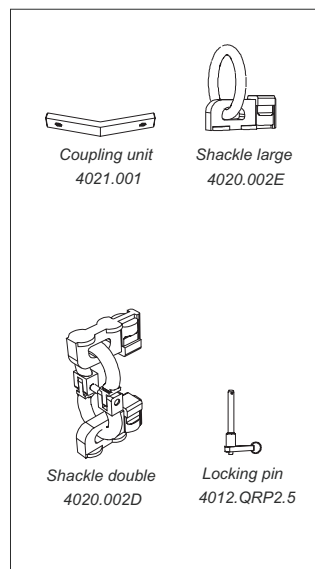
The C27 and C27S are standard finished in SA Black.

Flying system

The C27(S) is standard equipped with the Uni-Rig™ flying system.



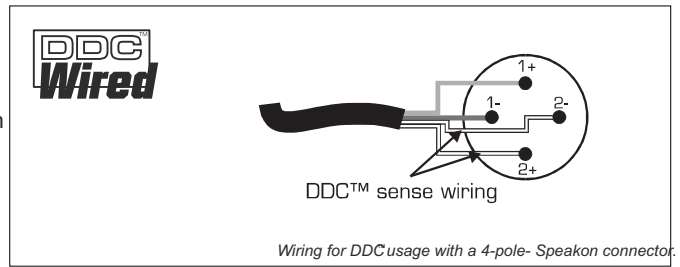
Connectorpanel of the C27(S) with two 4-pole Speakon connectors and active/passive switch.



C 27S with tube stand and stand adaptor.

Dynamic Damping Control DDC™

For absolute top quality sound reproduction, the C27(S) 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.

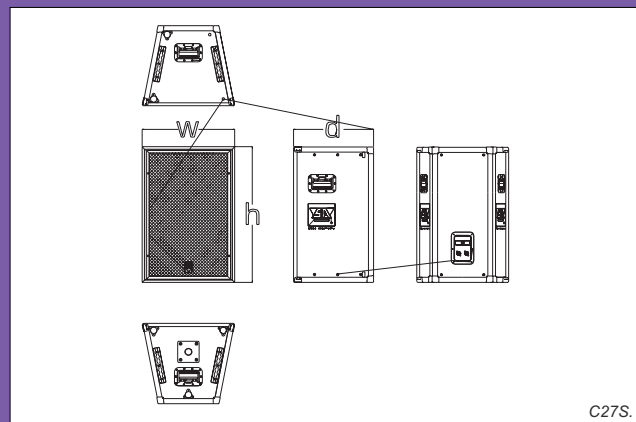
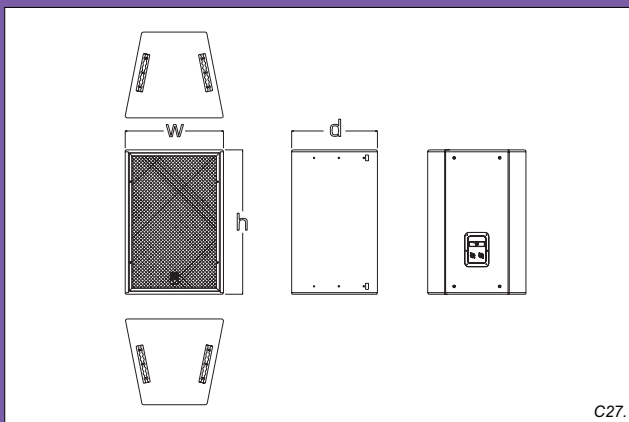


Technical specifications

Passive mode

Active mode

| | | |
|---------------------------------|---|----------------------------|
| Frequency response | : 55 Hz - 30 kHz (+/- 3dB) | |
| Drivers | : 1 x SA 1502 LF driver, 1 x SA 8535 MF/HF driver | |
| Cross-over frequentie | : 1400 Hz | |
| Nominal impedance | : 8 Ohm | 8 Ohm (LF) 13 Ohm (HF) |
| Sensitivity @ 1W/1m | : 99 dB | 100 dB (LF) 107 dB (HF) |
| Max. RMS power | : 400 W | 400 W (LF) 60 W (HF) |
| Max. Peak power | : 1000 W | 1000 W (LF) 1000 W (HF) |
| SPL program/peak (dB) | : 125/129 | 126/130 (LF), 125/137 (HF) |
| Dispersion (2 kHz H x V) | : 70° x 40° | |
| Color | : SA Black, other colors on request | |
| Front | : Expanded metal grille + acoustic transparent cloth | |
| Connectors | : 2 x 4 pole Speakons; 1 x Input, 1 x Link | |
| Physical dimensions (h x w x d) | : C27 758 x 516 x 450 mm (29.8 x 20.3 x 17.7 in.) C27S 763 x 521 x 455 mm (30.0 x 20.5 x 17.9 in.) | |
| Weight | : C27 40 kg (90 lb), C27S 45 kg (99 lb) | |



Stage Acoustic
Lagedijkerweg 13
1742 NB Schagen
The Netherlands
Tel: +31(0)224 712 035
E-mail: info@StageAcoustic.nl

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