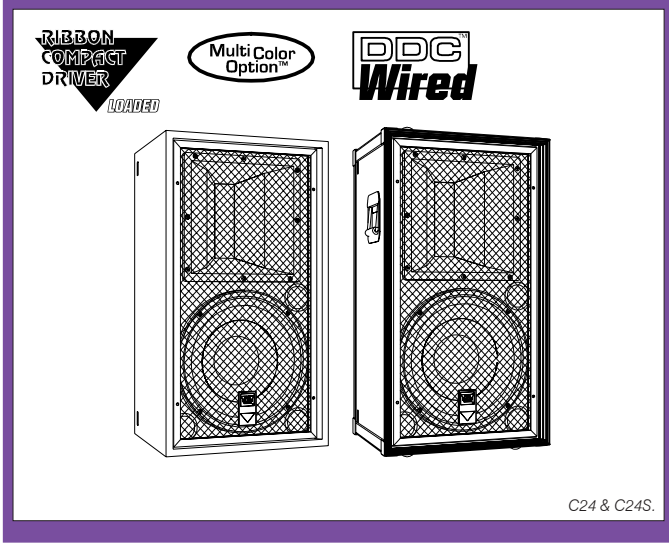
stage accompany

# Technical specifications C24 & C24S




C24 & C24S.

# Champ C24(S)

In this documentation you will find information about:

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

## Placement

When placing the C24(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 C24(S) has two 4-pole Speakon connectors. If you use the C24(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 C24(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

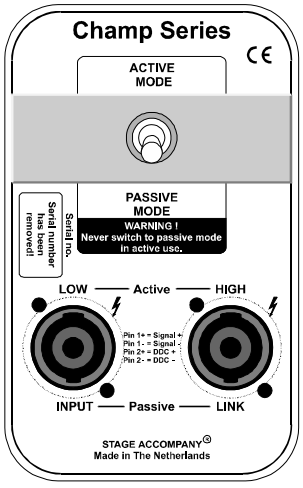
Maintenance on the C24(S), especially on the drivers and filters is best left to official Stage Accompany service personnel. However, cleaning of the housing can easily be done by yourself with a damp, non fluffing cloth.

## Options

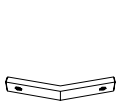
The C24 and C24S are standard finished in SA Black. The standard version (C24) is also available in any possible RAL color (Multi Color Option™).

## Flying system

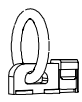
The C24(S) is standard equipped with the Uni-Rig™ flying system. The accompanying 'fly-ware' can be ordered at your local Stage Shop or dealer.



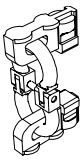

Connectorpanel of the C24(S) with two 4-pole Speakon connectors and active/passive switch.



Coupling unit
4021.001

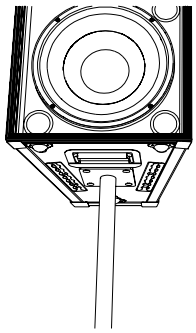


Shackle large
4020.002E



Shackle double
4020.002D

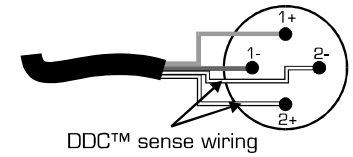
Locking pin
4012.QRP2.5



C24S with tube stand and stand adaptor.

## Dynamic Damping Control DDC™

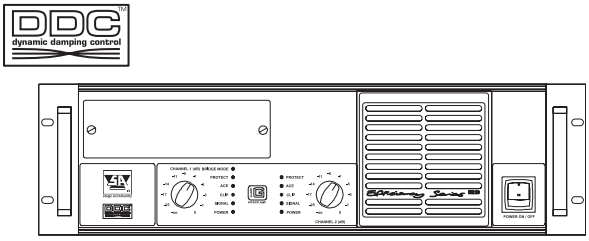
For absolute top quality sound reproduction, the C24(S) is completely pre wired for Dynamic Damping Control™.
The DDC™ system is based on 2 loudspeaker wires that return from the speaker to the (SA) amplifier. Through these "sense wires" the amplifier can compensate the speaker cable and connector resistance, ensuring maximum control over the speaker cone movement.




*Wiring for DDC™ usage with a 4-pole Speakon connector.*

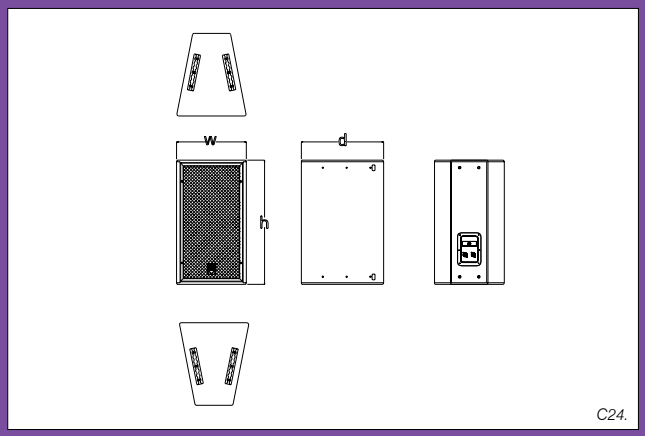
## Recommendation

To use the C24(S) 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.

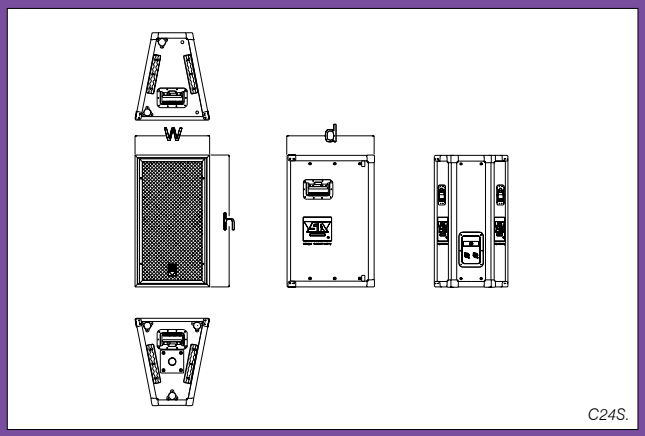


*ES20B amplifier.*

| Technical specifications | Passive mode | Active mode |
|---|---|---|
| Frequency response | : 80 Hz - 30 kHz (+/- 3dB) | |
| Drivers | : 1 x SA 1202 LF driver, 1 x SA 8535C MF/HF driver | |
| Cross-over frequency | : 1400 Hz | |
| Nominal impedance | : 8 W | 8 W (LF) 13 W (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 Speakon; 1 x Input, 1 x Link | |
| Physical dimensions (h x w x d) | : C24 678 x 380 x 450 mm (26.7 x 15.9 x 17.7)<br>C24S 693 x 385 x 455 mm (27.3 x 15.2 x 17.9) | |
| Weight | : C24 33 kg (72 lb), C24S 36 kg (88 lb) | |




*C24.*




*C24S.*

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