

Champ C27, C27s

In this documentation you will find information about:

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Description

Single 15" full-range top with rotatable SA8535C neodymium Ribbon Compact Driver. The C27(s) is a hard worker under any condition. Handles all kinds of material flawlessly. Our top selling Champion!

Placement

When placing the C27(s) you can use either the pole adaptor stand or the integrated Uni-Rig™ flying system. If used with a tube stand you can combine this with a SA subwoofer cabinet.

Maintenance

Maintenance on the C27(s), 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' switch is located on the connector-panel of the C27(s) cabinet.

This switch is countersunk to avoid mistakenly switching of the 'active/passive' mode (Caution: never switch to another mode when the cabinet is in use!).

Connections

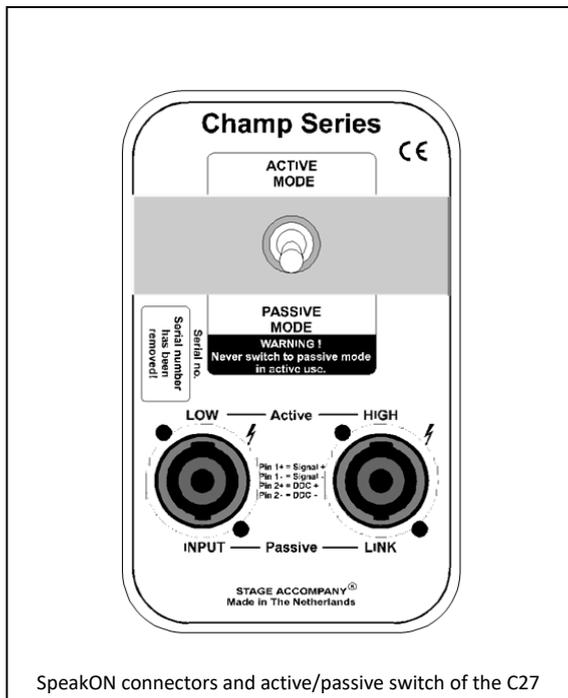
The C27(s) has two SpeakON NL4 connectors. If you use the C27(s) cabinet in 'passive' mode, read the descriptions below the connectors. If used in 'active' mode, read the descriptions above the connectors (Caution: incorrect connection when used in 'active' mode can cause damage to the loudspeaker components).

Flying system

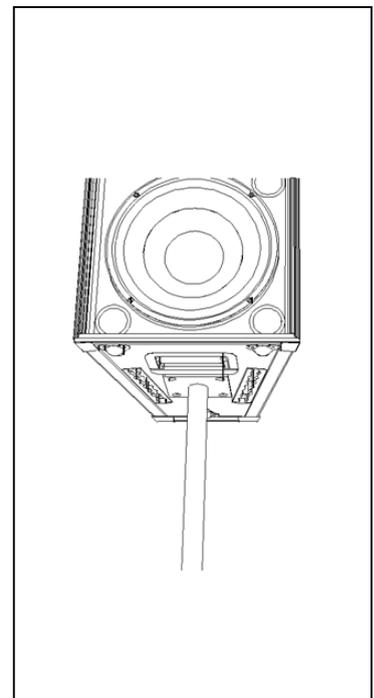
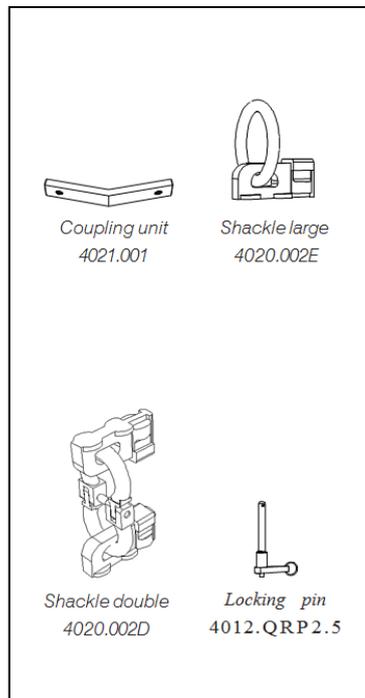
The C27s standard equipped with the Uni-Rig™ flying system. The accompanying "fly-ware" can be ordered at your local dealer

Options

The C27 and C27s are standard finished in SA Black Protecture, but is also available in any possible RAL color (Multi Color Option).

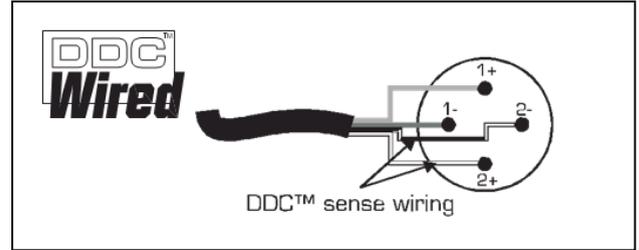


SpeakON connectors and active/passive switch of the C27



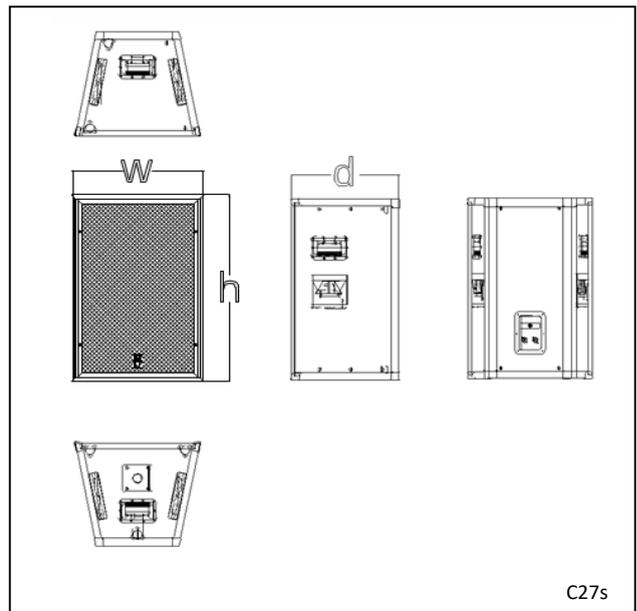
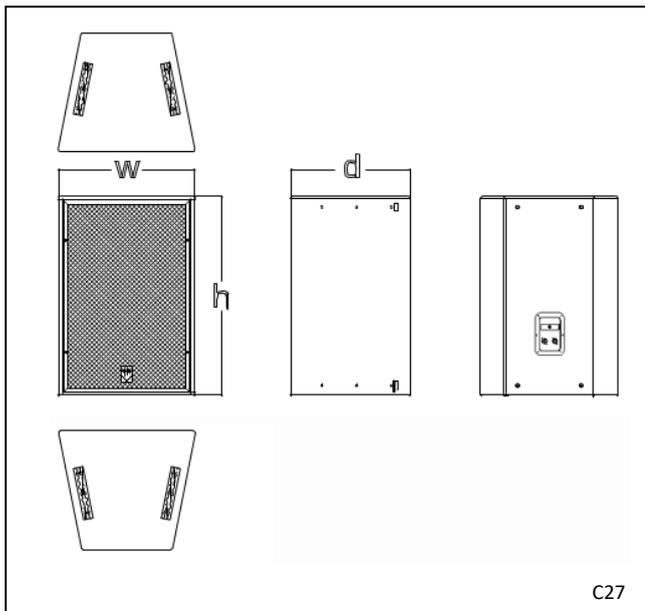
Wiring for DDC™

For absolute top quality sound reproduction, the C27(s) 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	: 55Hz – 30kHz (+/- 3dB)
Transducers	: 1 x SA1502, 15" LF driver 1 x SA8535C, neodymium HF driver
Cross-over frequency	: 1400Hz
Nominal impedance	: 8Ω (passive), 8Ω LF (active), 13Ω HF (active)
Sensitivity @ 1W/1m	: 99dB (passive), 100dB LF (active), 107dB HF (active)
Max. RMS power	: 400W (passive), 400W LF (active), 60W HF (active)
Max. Peak power	: 1000W (passive), 1000W LF (active), 1000W HF (active)
SPL program/peak	: 125dB/129dB (passive), 126/130dB LF (active), 125/137dB HF (active)
Coverage angles (@ 2kHz H x V)	: 70° x 40°
Enclosure construction	: 15mm Birch plywood, 4 handles (C27s only), Protecture finish
Rigging	: integrated flying hardware (C27s only)
Front	: expanded steel with acoustic transparent cloth
Color	: SA Black, 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)	: C27, 758mm x 516mm x 450mm (29.8" x 20.3" x 17.7") C27s, 763mm x 521mm x 455mm (30.0" x 20.5" x 17.9")
Weight	: C27, 40kg (90.0lb) C27s, 45kg (99.0lb)
Warranty	: 5 years limited (1 year on 'moving parts')



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