

Champ C29, C29s

In this documentation you will find information about:

- Description
- Placement
- Maintenance
- Active / passive switch
- Connections
- Flying system
- Options
- Dynamic Damping Control
- Technical specifications

Description

Stand alone true full-range design with rotatable SA8535C neodymium Ribbon Compact Driver and long throw 15" woofers for powerful bass reproduction starting from 45 Hz (sounds like a C24 + B30 in one cabinet).

Placement

When placing the C29(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 C29(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 C29(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

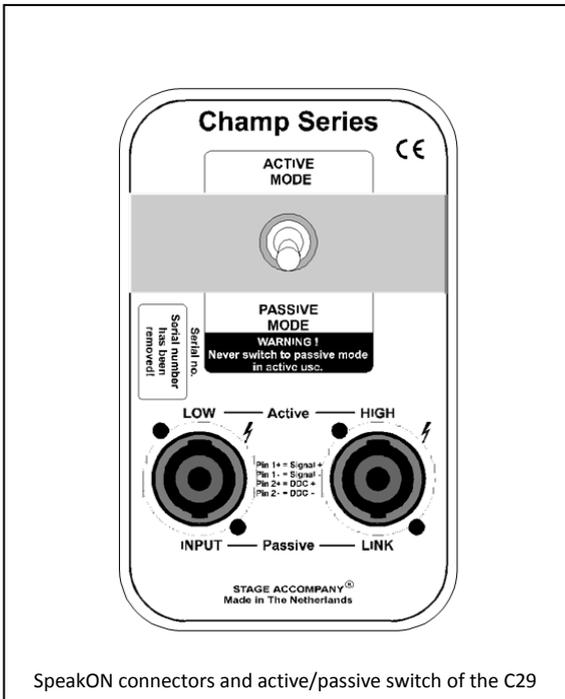
The C29(s) has two SpeakON NL4 connectors. If you use the C29(s) cabinet in 'passive' mode, read the descriptions below the connectors. If used in 'active' mode, read the descriptions above the connectors (Caution: incorrect connection when used in 'active' mode can cause damage to the loudspeaker components).

Flying system

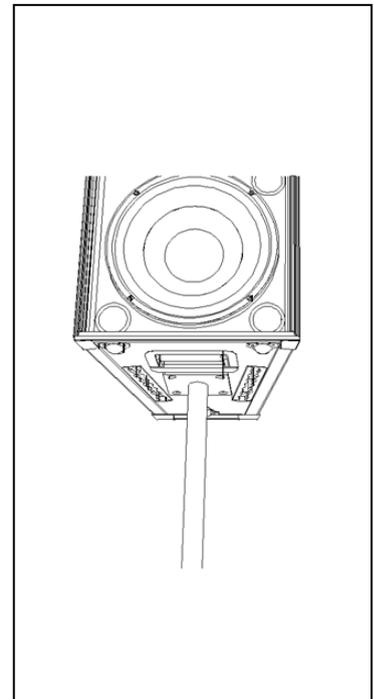
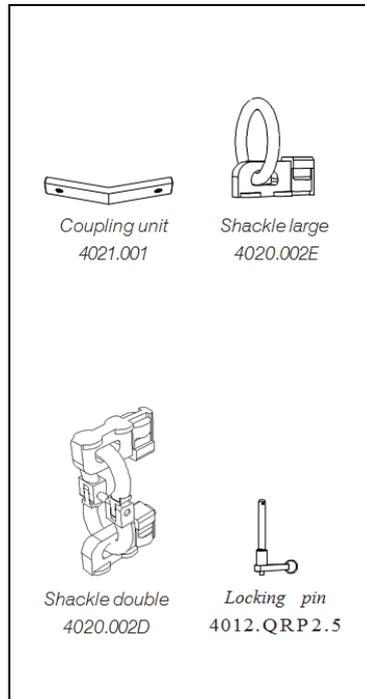
The C29s standard equipped with the Uni-Rig™ flying system. The accompanying "fly-ware" can be ordered at your local dealer

Options

The C29 and C29s are standard finished in SA Black Protecture, but is also available in any possible RAL color (Multi Color Option).

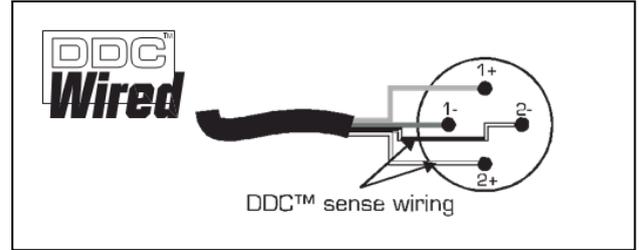


SpeakON connectors and active/passive switch of the C29



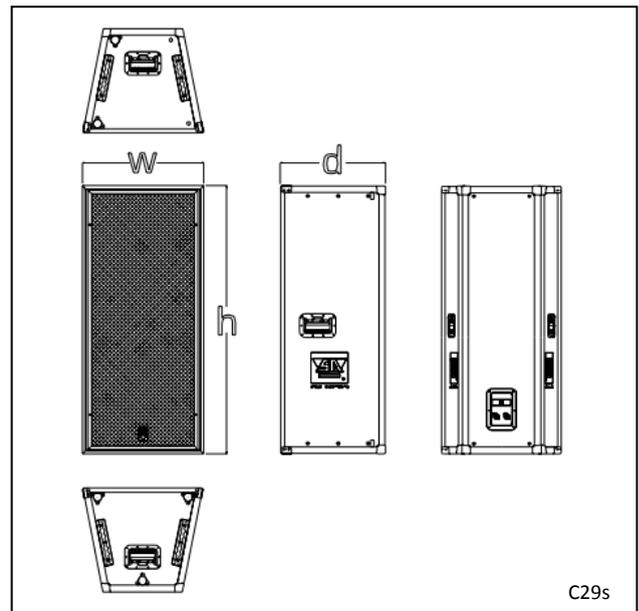
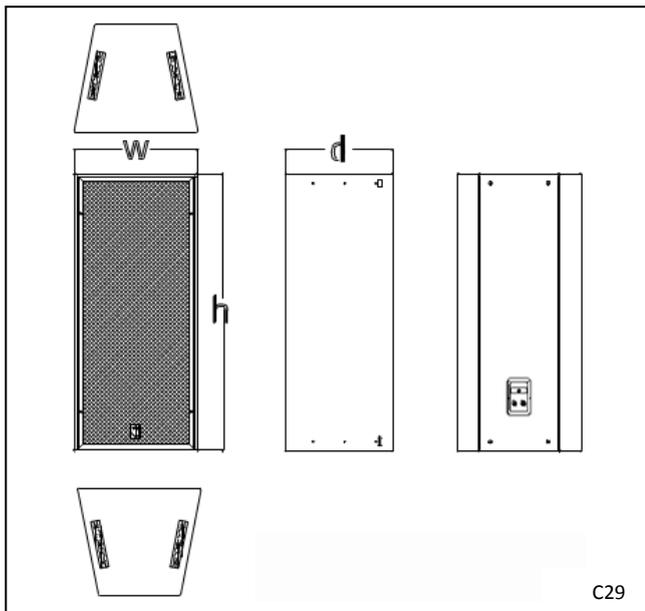
Wiring for DDC™

For absolute top quality sound reproduction, the C29(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	: 45Hz – 30kHz (+/- 3dB)
Transducers	: 2 x SA1513, 15" LF driver 1 x SA8535C, neodymium HF driver
Cross-over frequency	: 1400Hz
Nominal impedance	: 4Ω (passive), 4Ω LF (active), 13Ω HF (active)
Sensitivity @ 1W/1m	: 100dB (passive), 100dB LF (active), 107dB HF (active)
Max. RMS power	: 800W (passive), 800W LF (active), 60W HF (active)
Max. Peak power	: 2000W (passive), 2000W LF (active), 1000W HF (active)
SPL program/peak	: 127dB/132dB (passive), 128/133dB LF (active), 125/137dB HF (active)
Coverage angles (@ 2kHz H x V)	: 70° x 40°
Enclosure construction	: 15mm Birch plywood, 4 handles (C29s only), Protecture finish
Rigging	: integrated flying hardware (C29s 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)	: C29, 1158mm x 516mm x 450mm (45.6" x 20.3" x 17.7") C29s, 1163mm x 521mm x 455mm (45.8" x 20.5" x 17.9")
Weight	: C29, 60kg (132.0lb) C29s, 68kg (150.0lb)
Warranty	: 5 years limited (1 year on 'moving parts')



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